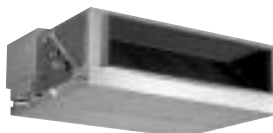




PEFY-P-VML-E



PEFY-P-VMH-E

## PEFY-P-VML-E PEFY-P-VMH-E

|                                                                                          |          |
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|-------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|
|                   | 0.8HP | 1.0HP | 1.3HP | 1.6HP | 2.0HP | 2.5HP | 2.8HP | 3.2HP | 4.0HP | 5.0HP | 5.6HP | 8.0HP | 10.0HP |
| PEFY-P-VML-E      | ●     | ●     | ●     |       |       |       |       |       |       |       |       |       |        |
| PEFY-P-VMH-E      |       |       |       | ●     | ●     | ●     | ●     | ●     | ●     | ●     | ●     | ●     | ●      |

# 1. SPECIFICATIONS

R410A Data G2

| Model                                                     |                                |                      | PEFY-P20VML-E                                                                                                                                                 | PEFY-P25VML-E                                | PEFY-P32VML-E                                |  |
|-----------------------------------------------------------|--------------------------------|----------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------|----------------------------------------------|--|
| Power source                                              |                                |                      | 1-phase 220-240V 50Hz/60Hz                                                                                                                                    |                                              |                                              |  |
| Cooling capacity<br>(Nominal)                             | *1                             | kW                   | 2.2                                                                                                                                                           | 2.8                                          | 3.6                                          |  |
|                                                           | *1                             | kcal / h             | 1,900                                                                                                                                                         | 2,400                                        | 3,100                                        |  |
|                                                           | *1                             | Btu / h              | 7,500                                                                                                                                                         | 9,600                                        | 12,300                                       |  |
|                                                           | *2                             | kcal / h             | 2,000                                                                                                                                                         | 2,500                                        | 3,150                                        |  |
|                                                           | Power input                    | kW                   | 0.05 / 0.06                                                                                                                                                   | 0.05 / 0.06                                  | 0.07 / 0.09                                  |  |
|                                                           | Current input                  | A                    | 0.24 / 0.28                                                                                                                                                   | 0.24 / 0.28                                  | 0.32 / 0.42                                  |  |
| Heating capacity<br>(Nominal )                            | *3                             | kW                   | 2.5                                                                                                                                                           | 3.2                                          | 4.0                                          |  |
|                                                           | *3                             | kcal / h             | 2,200                                                                                                                                                         | 2,800                                        | 3,400                                        |  |
|                                                           | *3                             | Btu / h              | 8,500                                                                                                                                                         | 10,900                                       | 13,600                                       |  |
|                                                           | Power input                    | kW                   | 0.05 / 0.06                                                                                                                                                   | 0.05 / 0.06                                  | 0.07 / 0.09                                  |  |
|                                                           | Current input                  | A                    | 0.24 / 0.28                                                                                                                                                   | 0.24 / 0.28                                  | 0.32 / 0.42                                  |  |
| External finish                                           |                                |                      | Galvanized                                                                                                                                                    |                                              |                                              |  |
| External dimension H x W x D                              |                                | mm                   | 225 x 720 x 550                                                                                                                                               | 225 x 720 x 550                              | 225 x 720 x 550                              |  |
|                                                           |                                | in.                  | 8-7/8" x 28-3/8" x 21-11/16"                                                                                                                                  | 8-7/8" x 28-3/8" x 21-11/16"                 | 8-7/8" x 28-3/8" x 21-11/16"                 |  |
| Net weight                                                |                                | kg (lb)              | 18 (40)                                                                                                                                                       | 18 (40)                                      | 18 (40)                                      |  |
| Heat exchanger                                            |                                |                      | Cross fin (Aluminum fin and copper tube)                                                                                                                      |                                              |                                              |  |
| FAN                                                       | Type x Quantity                |                      | Sirocco fan x 1                                                                                                                                               | Sirocco fan x 1                              | Sirocco fan x 1                              |  |
|                                                           | External static press.         | Pa                   | 5 (220V)                                                                                                                                                      | 5 (220V)                                     | 5 (220V)                                     |  |
|                                                           |                                | mmH <sub>2</sub> O   | 0.5                                                                                                                                                           | 0.5                                          | 0.5                                          |  |
|                                                           |                                | Pa                   | 5 (230, 240V)                                                                                                                                                 | 5 (230, 240V)                                | 5 (230, 240V)                                |  |
|                                                           |                                | mmH <sub>2</sub> O   | 0.5                                                                                                                                                           | 0.5                                          | 0.5                                          |  |
|                                                           | Motor type                     |                      | 1-phase induction motor                                                                                                                                       |                                              |                                              |  |
|                                                           | Motor output                   | kW                   | 0.023                                                                                                                                                         | 0.023                                        | 0.032                                        |  |
|                                                           | Driving mechanism              |                      | Direct-driven by motor                                                                                                                                        |                                              |                                              |  |
|                                                           | Airflow rate<br>(Low-Mid-High) | m <sup>3</sup> / min | 4.8 - 5.8 - 7.9                                                                                                                                               | 4.8 - 5.8 - 7.9                              | 4.8 - 5.8 - 9.5                              |  |
|                                                           |                                | L / s                | 80 - 97 - 132                                                                                                                                                 | 80 - 97 - 132                                | 80 - 97 - 158                                |  |
|                                                           |                                | cfm                  | 170 - 205 - 279                                                                                                                                               | 170 - 205 - 279                              | 170 - 205 - 335                              |  |
| Noise level (Low-Mid-High)<br>(measured in anechoic room) |                                | dB <A>               | 25 - 29 - 36 (220V)                                                                                                                                           | 25 - 29 - 36 (220V)                          | 25 - 29 - 40 (220V)                          |  |
|                                                           |                                | dB <A>               | 25 - 29 - 36 (230, 240V)                                                                                                                                      | 25 - 29 - 36 (230, 240V)                     | 25 - 29 - 40 (230, 240V)                     |  |
| Insulation material                                       |                                |                      | Polystyrene foam, Polyethylene foam, Urethane foam                                                                                                            |                                              |                                              |  |
| Air filter                                                |                                |                      | PP Honeycomb fabric (washable)                                                                                                                                |                                              |                                              |  |
| Protection device                                         |                                |                      | Fuse                                                                                                                                                          |                                              |                                              |  |
| Refrigerant control device                                |                                |                      | LEV                                                                                                                                                           |                                              |                                              |  |
| Connectable outdoor unit                                  |                                |                      | R410A, R407C, R22 CITY MULTI                                                                                                                                  |                                              |                                              |  |
| Diameter of refrigerant pipe                              | Liquid (R410A)<br>(R22, R407C) | mm (in.)             | ø6.35 (ø1/4") Brazed<br>ø6.35 (ø1/4") Brazed                                                                                                                  | ø6.35 (ø1/4") Brazed<br>ø6.35 (ø1/4") Brazed | ø6.35 (ø1/4") Brazed<br>ø6.35 (ø1/4") Brazed |  |
|                                                           | Gas (R410A)<br>(R22, R407C)    | mm (in.)             | ø12.7 (ø1/2") Brazed<br>ø12.7 (ø1/2") Brazed                                                                                                                  | ø12.7 (ø1/2") Brazed<br>ø12.7 (ø1/2") Brazed | ø12.7 (ø1/2") Brazed<br>ø12.7 (ø1/2") Brazed |  |
|                                                           |                                | mm (in.)             | R1 (External thread)                                                                                                                                          | R1 (External thread)                         | R1 (External thread)                         |  |
| Drawing                                                   | External                       |                      | IU-W65-3973                                                                                                                                                   | IU-W65-3973                                  | IU-W65-3973                                  |  |
|                                                           | Wiring                         |                      | IU-W65-3955                                                                                                                                                   | IU-W65-3955                                  | IU-W65-3955                                  |  |
|                                                           | Refrigerant cycle              |                      | -                                                                                                                                                             | -                                            | -                                            |  |
| Standard attachment                                       | Document                       |                      | Installation Manual, Instruction Book                                                                                                                         |                                              |                                              |  |
|                                                           | Accessory                      |                      | Drain hose VP-25 (flexible joint)                                                                                                                             |                                              |                                              |  |
| Remark                                                    | Optional parts                 |                      |                                                                                                                                                               |                                              |                                              |  |
|                                                           | Long life filter               |                      | PAC-KE32LAF-F                                                                                                                                                 | PAC-KE32LAF-F                                | PAC-KE32LAF-F                                |  |
|                                                           |                                |                      |                                                                                                                                                               |                                              |                                              |  |
| Installation                                              |                                |                      | Details on foundation work, duct work, insulation work, electrical wiring, power source switch, and other items shall be referred to the Installation Manual. |                                              |                                              |  |

| Note :                                                                                        | *1 Nominal cooling conditions   | *2 Nominal cooling conditions   | *3 Nominal heating conditions | Unit converter                                              |
|-----------------------------------------------------------------------------------------------|---------------------------------|---------------------------------|-------------------------------|-------------------------------------------------------------|
| Indoor :                                                                                      | 27°CDB/19.5°CWB (81°FDB/66°FWB) | 27°CDB/19.5°CWB (81°FDB/67°FWB) | 20°CDB (68°FDB)               | kcal/h = kW x 860                                           |
| Outdoor :                                                                                     | 35°CDB (95°FDB)                 | 35°CDB (95°FDB)                 | 7°CDB/6°CWB (45°FDB/43°FWB)   | Btu/h = kW x 3,412                                          |
| Pipe length :                                                                                 | 7.5 m (24-9/16 ft)              | 5 m (16-3/8 ft)                 | 7.5 m (24-9/16 ft)            | cfm = m³/min x 35.31                                        |
| Level difference :                                                                            | 0 m (0 ft)                      | 0 m (0 ft)                      | 0 m (0 ft)                    | lb = kg / 0.4536                                            |
| * Nominal conditions *1, *3 are subject to JIS B8615-1.                                       |                                 |                                 |                               | *Above specification data is subject to rounding variation. |
| * Due to continuing improvement, above specification may be subject to change without notice. |                                 |                                 |                               |                                                             |

Ref.: Spec\_PEFY-P-VML-E

# 1. SPECIFICATIONS

R410A Data G2

| Model                                                     |                                |                                       | PEFY-P40VMH-E                                                                                                                                                 | PEFY-P50VMH-E                               | PEFY-P63VMH-E                                | PEFY-P71VMH-E                                |
|-----------------------------------------------------------|--------------------------------|---------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------|----------------------------------------------|----------------------------------------------|
| Power source                                              |                                |                                       | 1-phase 220-240V 50Hz/60Hz                                                                                                                                    |                                             |                                              |                                              |
| Cooling capacity<br>(Nominal)                             | *1                             | kW                                    | 4.5                                                                                                                                                           | 5.6                                         | 7.1                                          | 8.0                                          |
|                                                           | *1                             | kcal / h                              | 3,900                                                                                                                                                         | 4,800                                       | 6,100                                        | 6,900                                        |
|                                                           | *1                             | Btu / h                               | 15,400                                                                                                                                                        | 19,100                                      | 24,200                                       | 27,300                                       |
|                                                           | *2                             | kcal / h                              | 4,000                                                                                                                                                         | 5,000                                       | 6,300                                        | 7,100                                        |
|                                                           | Power input                    | kW                                    | 0.19 / 0.23                                                                                                                                                   | 0.19 / 0.23                                 | 0.24 / 0.30                                  | 0.26 / 0.33                                  |
| Current input                                             |                                | A                                     | 0.88 / 1.06                                                                                                                                                   | 0.88 / 1.06                                 | 1.12 / 1.38                                  | 1.20 / 1.51                                  |
| Heating capacity<br>(Nominal )                            | *3                             | kW                                    | 5.0                                                                                                                                                           | 6.3                                         | 8.0                                          | 9.0                                          |
|                                                           | *3                             | kcal / h                              | 4,300                                                                                                                                                         | 5,400                                       | 6,900                                        | 7,700                                        |
|                                                           | *3                             | Btu / h                               | 17,100                                                                                                                                                        | 21,500                                      | 27,300                                       | 30,700                                       |
|                                                           | Power input                    | kW                                    | 0.19 / 0.23                                                                                                                                                   | 0.19 / 0.23                                 | 0.24 / 0.30                                  | 0.26 / 0.33                                  |
|                                                           | Current input                  | A                                     | 0.88 / 1.06                                                                                                                                                   | 0.88 / 1.06                                 | 1.12 / 1.38                                  | 1.20 / 1.51                                  |
| External finish                                           |                                |                                       | Galvanized                                                                                                                                                    |                                             |                                              |                                              |
| External dimension H x W x D                              |                                | mm                                    | 380 x 750 x 900                                                                                                                                               | 380 x 750 x 900                             | 380 x 750 x 900                              | 380 x 1,000 x 900                            |
|                                                           |                                | in.                                   | 15" x 29-9/16" x 35-7/16"                                                                                                                                     | 15" x 29-9/16" x 35-7/16"                   | 15" x 29-9/16" x 35-7/16"                    | 15" x 39-3/8" x 35-7/16"                     |
| Net weight                                                |                                | kg (lb)                               | 44 (98)                                                                                                                                                       | 45 (100)                                    | 45 (100)                                     | 50 (111)                                     |
| Heat exchanger                                            |                                |                                       | Cross fin (Aluminum fin and copper tube)                                                                                                                      |                                             |                                              |                                              |
| FAN                                                       | Type x Quantity                |                                       | Sirocco fan x 1                                                                                                                                               | Sirocco fan x 1                             | Sirocco fan x 1                              | Sirocco fan x 1                              |
|                                                           | External static press.         | Pa                                    | 50 - 100 - 200 (220V)                                                                                                                                         | 50 - 100 - 200 (220V)                       | 50 - 100 - 200 (220V)                        | 50 - 100 - 200 (220V)                        |
|                                                           |                                | mmH <sub>2</sub> O                    | 5.1 - 10.2 - 20.4                                                                                                                                             | 5.1 - 10.2 - 20.4                           | 5.1 - 10.2 - 20.4                            | 5.1 - 10.2 - 20.4                            |
|                                                           |                                | Pa                                    | 100 - 150 - 200 (230, 240V)                                                                                                                                   | 100 - 150 - 200 (230, 240V)                 | 100 - 150 - 200 (230, 240V)                  | 100 - 150 - 200 (230, 240V)                  |
|                                                           |                                | mmH <sub>2</sub> O                    | 10.2 - 15.3 - 20.4                                                                                                                                            | 10.2 - 15.3 - 20.4                          | 10.2 - 15.3 - 20.4                           | 10.2 - 15.3 - 20.4                           |
|                                                           | Motor type                     |                                       | 1-phase induction motor                                                                                                                                       |                                             |                                              |                                              |
|                                                           | Motor output                   | kW                                    | 0.080                                                                                                                                                         | 0.080                                       | 0.120                                        | 0.140                                        |
|                                                           | Driving mechanism              |                                       | Direct-driven by motor                                                                                                                                        |                                             |                                              |                                              |
|                                                           | Airflow rate<br>(Low-Mid-High) | m <sup>3</sup> / min                  | 10.0 - 14.0                                                                                                                                                   | 10.0 - 14.0                                 | 13.5 - 19.0                                  | 15.5 - 22.0                                  |
|                                                           |                                | L / s                                 | 167 - 233                                                                                                                                                     | 167 - 233                                   | 225 - 317                                    | 258 - 367                                    |
|                                                           |                                | cfm                                   | 353 - 494                                                                                                                                                     | 353 - 494                                   | 477 - 671                                    | 547 - 777                                    |
| Noise level (Low-Mid-High)<br>(measured in anechoic room) |                                | dB <A>                                | 27 - 34 (220V)                                                                                                                                                | 27 - 34 (220V)                              | 32 - 38 (220V)                               | 32 - 39 (220V)                               |
|                                                           |                                | dB <A>                                | 31 - 37 (230, 240V)                                                                                                                                           | 31 - 37 (230, 240V)                         | 36 - 41 (230, 240V)                          | 35 - 41 (230, 240V)                          |
| Insulation material                                       |                                |                                       | Polystyrene foam, Polyethylene foam, Urethane foam                                                                                                            |                                             |                                              |                                              |
| Air filter                                                |                                |                                       | Optional long life filter (Synthetic fiber unwoven cloth filter) and filter box are recommended.                                                              |                                             |                                              |                                              |
| Protection device                                         |                                |                                       | Fuse                                                                                                                                                          |                                             |                                              |                                              |
| Refrigerant control device                                |                                |                                       | LEV                                                                                                                                                           |                                             |                                              |                                              |
| Connectable outdoor unit                                  |                                |                                       | R410A, R407C, R22 CITY MULTI                                                                                                                                  |                                             |                                              |                                              |
| Diameter of refrigerant pipe                              | Liquid (R410A)<br>(R22, R407C) | mm (in.)                              | ø6.35 (ø1/4") Flare<br>ø6.35 (ø1/4") Flare                                                                                                                    | ø6.35 (ø1/4") Flare<br>ø9.52 (ø3/8") Flare  | ø9.52 (ø3/8") Flare<br>ø9.52 (ø3/8") Flare   | ø9.52 (ø3/8") Flare<br>ø9.52 (ø3/8") Flare   |
|                                                           | Gas (R410A)<br>(R22, R407C)    | mm (in.)                              | ø12.7 (ø1/2") Flare<br>ø12.7 (ø1/2") Flare                                                                                                                    | ø12.7 (ø1/2") Flare<br>ø15.88 (ø5/8") Flare | ø15.88 (ø5/8") Flare<br>ø15.88 (ø5/8") Flare | ø15.88 (ø5/8") Flare<br>ø15.88 (ø5/8") Flare |
| Diameter of drain pipe                                    |                                | mm (in.)                              | 32 (1-1/4")                                                                                                                                                   | 32 (1-1/4")                                 | 32 (1-1/4")                                  | 32 (1-1/4")                                  |
| Drawing                                                   | External                       |                                       | IU-W27-5924                                                                                                                                                   |                                             |                                              |                                              |
|                                                           | Wiring                         |                                       | IU-W65-3956                                                                                                                                                   |                                             |                                              |                                              |
|                                                           | Refrigerant cycle              |                                       | -                                                                                                                                                             |                                             |                                              |                                              |
| Standard attachment                                       | Document                       | Installation Manual, Instruction Book |                                                                                                                                                               |                                             |                                              |                                              |
|                                                           | Accessory                      | Drain hose VP-25 (flexible joint)     |                                                                                                                                                               |                                             |                                              |                                              |
| Remark                                                    | Optional parts                 |                                       |                                                                                                                                                               |                                             |                                              |                                              |
|                                                           | Long life filter               |                                       | PAC-KE86LAF                                                                                                                                                   | PAC-KE86LAF                                 | PAC-KE86LAF                                  | PAC-KE88LAF                                  |
|                                                           | Filter box                     |                                       | PAC-KE63TB-F                                                                                                                                                  | PAC-KE63TB-F                                | PAC-KE63TB-F                                 | PAC-KE80TB-F                                 |
|                                                           | Drain pump kit                 |                                       | PAC-KE04DM-F                                                                                                                                                  | PAC-KE04DM-F                                | PAC-KE04DM-F                                 | PAC-KE04DM-F                                 |
|                                                           |                                |                                       |                                                                                                                                                               |                                             |                                              |                                              |
| Installation                                              |                                |                                       | Details on foundation work, duct work, insulation work, electrical wiring, power source switch, and other items shall be referred to the Installation Manual. |                                             |                                              |                                              |

## Note :

| *1 Nominal cooling conditions          | *2 Nominal cooling conditions   | *3 Nominal heating conditions |
|----------------------------------------|---------------------------------|-------------------------------|
| Indoor : 27°CDB/19°CWB (81°FDB/66°FWB) | 27°CDB/19.5°CWB (81°FDB/67°FWB) | 20°CDB (68°FDB)               |
| Outdoor : 35°CDB (95°FDB)              | 35°CDB (95°FDB)                 | 7°CDB/6°CWB (45°FDB/43°FWB)   |
| Pipe length : 7.5 m (24-9/16 ft)       | 5 m (16-3/8 ft)                 | 7.5 m (24-9/16 ft)            |
| Level difference : 0 m (0 ft)          | 0 m (0 ft)                      | 0 m (0 ft)                    |

| Unit converter                                              |
|-------------------------------------------------------------|
| kcal/h = kW x 860                                           |
| Btu/h = kW x 3,412                                          |
| cfm = m <sup>3</sup> /min x 35.31                           |
| lb = kg / 0.4536                                            |
| *Above specification data is subject to rounding variation. |

\* Nominal conditions \*1, \*3 are subject to JIS B8615-1.  
\* Due to continuing improvement, above specification may be subject to change without notice.

Ref.: Spec\_PEFY-P-VMH-E\_1

# 1. SPECIFICATIONS

R410A Data G2

| Model                                                     |                                |                      | PEFY-P80VMH-E                                                                                                                                                 | PEFY-P100VMH-E                               | PEFY-P125VMH-E                               | PEFY-P140VMH-E                               |
|-----------------------------------------------------------|--------------------------------|----------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------|----------------------------------------------|----------------------------------------------|
| Power source                                              |                                |                      | 1-phase 220-240V 50Hz/60Hz                                                                                                                                    |                                              |                                              |                                              |
| Cooling capacity<br>(Nominal)                             | *1                             | kW                   | 9.0                                                                                                                                                           | 11.2                                         | 14.0                                         | 16.0                                         |
|                                                           | *1                             | kcal / h             | 7,700                                                                                                                                                         | 9,600                                        | 12,000                                       | 13,800                                       |
|                                                           | *1                             | Btu / h              | 30,700                                                                                                                                                        | 38,200                                       | 47,800                                       | 54,600                                       |
|                                                           | *2                             | kcal / h             | 8,000                                                                                                                                                         | 10,000                                       | 12,500                                       | 14,000                                       |
|                                                           | Power input                    | kW                   | 0.32 / 0.40                                                                                                                                                   | 0.48 / 0.58                                  | 0.48 / 0.58                                  | 0.48 / 0.59                                  |
|                                                           | Current input                  | A                    | 1.47 / 1.83                                                                                                                                                   | 2.34 / 2.66                                  | 2.34 / 2.66                                  | 2.35 / 2.70                                  |
| Heating capacity<br>(Nominal )                            | *3                             | kW                   | 10.0                                                                                                                                                          | 12.5                                         | 16.0                                         | 18.0                                         |
|                                                           | *3                             | kcal / h             | 8,600                                                                                                                                                         | 10,800                                       | 13,800                                       | 15,500                                       |
|                                                           | *3                             | Btu / h              | 34,100                                                                                                                                                        | 42,700                                       | 54,600                                       | 61,400                                       |
|                                                           | Power input                    | kW                   | 0.32 / 0.40                                                                                                                                                   | 0.48 / 0.58                                  | 0.48 / 0.58                                  | 0.48 / 0.59                                  |
|                                                           | Current input                  | A                    | 1.47 / 1.83                                                                                                                                                   | 2.34 / 2.66                                  | 2.34 / 2.66                                  | 2.35 / 2.70                                  |
| External finish                                           |                                |                      | Galvanized                                                                                                                                                    |                                              |                                              |                                              |
| External dimension H x W x D                              |                                | mm                   | 380 x 1,000 x 900                                                                                                                                             | 380 x 1,200 x 900                            | 380 x 1,200 x 900                            | 380 x 1,200 x 900                            |
|                                                           |                                | in.                  | 15" x 39-3/8" x 35-7/16"                                                                                                                                      | 15" x 47-1/4" x 35-7/16"                     | 15" x 47-1/4" x 35-7/16"                     | 15" x 47-1/4" x 35-7/16"                     |
| Net weight                                                |                                | kg (lb)              | 50 (111)                                                                                                                                                      | 70 (155)                                     | 70 (155)                                     | 70 (155)                                     |
| Heat exchanger                                            |                                |                      | Cross fin (Aluminum fin and copper tube)                                                                                                                      |                                              |                                              |                                              |
| FAN                                                       | Type x Quantity                |                      | Sirocco fan x 1                                                                                                                                               | Sirocco fan x 2                              | Sirocco fan x 2                              | Sirocco fan x 2                              |
|                                                           | External static press.         | Pa                   | 50 - 100 - 200 (220V)                                                                                                                                         | 50 - 100 - 200 (220V)                        | 50 - 100 - 200 (220V)                        | 50 - 100 - 200 (220V)                        |
|                                                           |                                | mmH <sub>2</sub> O   | 5.1 - 10.2 - 20.4                                                                                                                                             | 5.1 - 10.2 - 20.4                            | 5.1 - 10.2 - 20.4                            | 5.1 - 10.2 - 20.4                            |
|                                                           |                                | Pa                   | 100 - 150 - 200 (230, 240V)                                                                                                                                   | 100 - 150 - 200 (230, 240V)                  | 100 - 150 - 200 (230, 240V)                  | 100 - 150 - 200 (230, 240V)                  |
|                                                           |                                | mmH <sub>2</sub> O   | 10.2 - 15.3 - 20.4                                                                                                                                            | 10.2 - 15.3 - 20.4                           | 10.2 - 15.3 - 20.4                           | 10.2 - 15.3 - 20.4                           |
|                                                           | Motor type                     |                      | 1-phase induction motor                                                                                                                                       |                                              |                                              |                                              |
|                                                           | Motor output                   | kW                   | 0.180                                                                                                                                                         | 0.260                                        | 0.260                                        | 0.260                                        |
|                                                           | Driving mechanism              |                      | Direct-driven by motor                                                                                                                                        |                                              |                                              |                                              |
|                                                           | Airflow rate<br>(Low-Mid-High) | m <sup>3</sup> / min | 18.0 - 25.0                                                                                                                                                   | 26.5 - 38.0                                  | 26.5 - 38.0                                  | 28.0 - 40.0                                  |
|                                                           |                                | L / s                | 300 - 417                                                                                                                                                     | 442 - 633                                    | 442 - 633                                    | 467 - 667                                    |
| cfm                                                       |                                | 636 - 883            | 936 - 1,342                                                                                                                                                   | 936 - 1,342                                  | 989 - 1,413                                  |                                              |
| Noise level (Low-Mid-High)<br>(measured in anechoic room) |                                | dB <A>               | 35 - 41 (220V)                                                                                                                                                | 34 - 42 (220V)                               | 34 - 42 (220V)                               | 34 - 42 (220V)                               |
|                                                           |                                | dB <A>               | 38 - 43 (230, 240V)                                                                                                                                           | 38 - 44 (230, 240V)                          | 38 - 44 (230, 240V)                          | 38 - 44 (230, 240V)                          |
| Insulation material                                       |                                |                      | Polystyrene foam, Polyethylene foam, Urethane foam                                                                                                            |                                              |                                              |                                              |
| Air filter                                                |                                |                      | Option : Synthetic fiber unwoven cloth filter (long life)                                                                                                     |                                              |                                              |                                              |
| Protection device                                         |                                |                      | Fuse                                                                                                                                                          |                                              |                                              |                                              |
| Refrigerant control device                                |                                |                      | LEV                                                                                                                                                           |                                              |                                              |                                              |
| Connectable outdoor unit                                  |                                |                      | R410A, R407C, R22 CITY MULTI                                                                                                                                  |                                              |                                              |                                              |
| Diameter of refrigerant pipe                              | Liquid (R410A)<br>(R22, R407C) | mm (in.)             | ø9.52 (ø3/8") Flare<br>ø9.52 (ø3/8") Flare                                                                                                                    | ø9.52 (ø3/8") Flare<br>ø9.52 (ø3/8") Flare   | ø9.52 (ø3/8") Flare<br>ø9.52 (ø3/8") Flare   | ø9.52 (ø3/8") Flare<br>ø9.52 (ø3/8") Flare   |
|                                                           | Gas (R410A)<br>(R22, R407C)    | mm (in.)             | ø15.88 (ø5/8") Flare<br>ø15.88 (ø5/8") Flare                                                                                                                  | ø15.88 (ø5/8") Flare<br>ø19.05 (ø3/4") Flare | ø15.88 (ø5/8") Flare<br>ø19.05 (ø3/4") Flare | ø15.88 (ø5/8") Flare<br>ø19.05 (ø3/4") Flare |
| Diameter of drain pipe                                    |                                | mm (in.)             | 32 (1-1/4")                                                                                                                                                   | 32 (1-1/4")                                  | 32 (1-1/4")                                  | 32 (1-1/4")                                  |
| Drawing                                                   | External                       |                      | IU-W27-5924                                                                                                                                                   |                                              |                                              |                                              |
|                                                           | Wiring                         |                      | IU-W65-3956                                                                                                                                                   |                                              |                                              |                                              |
|                                                           | Refrigerant cycle              |                      | -                                                                                                                                                             |                                              |                                              |                                              |
| Standard attachment                                       | Document                       |                      | Installation Manual, Instruction Book                                                                                                                         |                                              |                                              |                                              |
|                                                           | Accessory                      |                      | Drain hose VP-25 (flexible joint)                                                                                                                             |                                              |                                              |                                              |
| Remark                                                    | Optional parts                 |                      |                                                                                                                                                               |                                              |                                              |                                              |
|                                                           | Long life filter               |                      | PAC-KE88LAF                                                                                                                                                   | PAC-KE89LAF                                  | PAC-KE89LAF                                  | PAC-KE89LAF                                  |
|                                                           | Filter box                     |                      | PAC-KE80TB-F                                                                                                                                                  | PAC-KE140TB-F                                | PAC-KE140TB-F                                | PAC-KE140TB-F                                |
|                                                           | Drain pump kit                 |                      | PAC-KE04DM-F                                                                                                                                                  | PAC-KE04DM-F                                 | PAC-KE04DM-F                                 | PAC-KE04DM-F                                 |
|                                                           |                                |                      |                                                                                                                                                               |                                              |                                              |                                              |
| Installation                                              |                                |                      | Details on foundation work, duct work, insulation work, electrical wiring, power source switch, and other items shall be referred to the Installation Manual. |                                              |                                              |                                              |

| Note                                                                                          | *1 Nominal cooling conditions | *2 Nominal cooling conditions   | *3 Nominal heating conditions | Unit converter                                              |
|-----------------------------------------------------------------------------------------------|-------------------------------|---------------------------------|-------------------------------|-------------------------------------------------------------|
| Indoor :                                                                                      | 27°CDB/19°CWB (81°FDB/66°FWB) | 27°CDB/19.5°CWB (81°FDB/67°FWB) | 20°CDB (68°FDB)               | kcal/h = kW x 860                                           |
| Outdoor :                                                                                     | 35°CDB (95°FDB)               | 35°CDB (95°FDB)                 | 7°CDB/6°CWB (45°FDB/43°FWB)   | Btu/h = kW x 3,412                                          |
| Pipe length :                                                                                 | 7.5 m (24-9/16 ft)            | 5 m (16-3/8 ft)                 | 7.5 m (24-9/16 ft)            | cfm = m <sup>3</sup> /min x 35.31                           |
| Level difference :                                                                            | 0 m (0 ft)                    | 0 m (0 ft)                      | 0 m (0 ft)                    | lb = kg / 0.4536                                            |
| * Nominal conditions *1, *3 are subject to JIS B8615-1.                                       |                               |                                 |                               | *Above specification data is subject to rounding variation. |
| * Due to continuing improvement, above specification may be subject to change without notice. |                               |                                 |                               |                                                             |

Ref.: Spec\_PEFY-P-VMH-E\_2

# 1. SPECIFICATIONS

R410A Data G2

| Model                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                |                      | PEFY-P200VMH-E                                                                                                                                                | PEFY-P250VMH-E                                  |             |  |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------|----------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------|-------------|--|
| Power source                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                |                      | 3-phase, 4-wire, 380-415V 50/60Hz                                                                                                                             |                                                 |             |  |
| Cooling capacity<br>(Nominal)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | *1                             | kW                   | 22.4                                                                                                                                                          | 28.0                                            |             |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | *1                             | kcal / h             | 19,300                                                                                                                                                        | 24,100                                          |             |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | *1                             | Btu / h              | 76,400                                                                                                                                                        | 95,500                                          |             |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | *2                             | kcal / h             | 20,000                                                                                                                                                        | 25,000                                          |             |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | Power input                    |                      | kW                                                                                                                                                            | 0.99 / 1.14                                     | 1.23 / 1.41 |  |
| Current input                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                | A                    | 1.62 / 1.86                                                                                                                                                   | 2.0 / 2.3                                       |             |  |
| Heating capacity<br>(Nominal )                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | *3                             | kW                   | 25.0                                                                                                                                                          | 31.5                                            |             |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | *3                             | kcal / h             | 21,500                                                                                                                                                        | 27,100                                          |             |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | *3                             | Btu / h              | 85,300                                                                                                                                                        | 107,500                                         |             |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | Power input                    |                      | kW                                                                                                                                                            | 0.99 / 1.14                                     | 1.23 / 1.41 |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | Current input                  |                      | A                                                                                                                                                             | 1.62 / 1.86                                     | 2.0 / 2.3   |  |
| External finish                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                |                      | Galvanized                                                                                                                                                    |                                                 |             |  |
| External dimension H x W x D                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                | mm                   | 470 X 1,250 X 1,120                                                                                                                                           | 470 X 1,250 X 1,120                             |             |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                | in.                  | 18-9/16" x 49-1/4" x 44-1/8"                                                                                                                                  | 18-9/16" x 49-1/4" x 44-1/8"                    |             |  |
| Net weight                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                | kg (lb)              | 100 (221)                                                                                                                                                     | 100 (221)                                       |             |  |
| Heat exchanger                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                |                      | Cross fin (Aluminum fin and copper tube)                                                                                                                      |                                                 |             |  |
| FAN                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | Type x Quantity                |                      | Sirocco fan x 2                                                                                                                                               | Sirocco fan x 2                                 |             |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | External static press.         | Pa                   | 110- 220 (380V)                                                                                                                                               | 110- 220 (380V)                                 |             |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                | mmH <sub>2</sub> O   | 11.2- 22.4                                                                                                                                                    | 11.2- 22.4                                      |             |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                | Pa                   | 130- 260 (400, 415V)                                                                                                                                          | 130- 260 (400, 415V)                            |             |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                | mmH <sub>2</sub> O   | 13.3- 26.5                                                                                                                                                    | 13.3- 26.5                                      |             |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | Motor type                     |                      | 3-phase induction motor                                                                                                                                       |                                                 |             |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | Motor output                   |                      | kW                                                                                                                                                            | 0.760                                           | 1.080       |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | Driving mechanism              |                      | Direct-driven by motor                                                                                                                                        |                                                 |             |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | Airflow rate<br>(Low-Mid-High) | m <sup>3</sup> / min | 58                                                                                                                                                            | 72                                              |             |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                | L / s                | 967                                                                                                                                                           | 1,200                                           |             |  |
| cfm                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                | 2,048                | 2,543                                                                                                                                                         |                                                 |             |  |
| Noise level (Low-Mid-High)<br>(measured in anechoic room)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                | dB <A>               | 42 / 45 (380V)                                                                                                                                                | 50 / 52 (220V)                                  |             |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                | dB <A>               | 44 / 47 (400, 415V)                                                                                                                                           | 52 / 54 (230, 240V)                             |             |  |
| Insulation material                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                |                      | Polystyrene foam, Polyethylene foam, Urethane foam                                                                                                            |                                                 |             |  |
| Air filter                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                |                      | Option : Synthetic fiber unwoven cloth filter (long life)                                                                                                     |                                                 |             |  |
| Protection device                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                |                      | Fuse                                                                                                                                                          |                                                 |             |  |
| Refrigerant control device                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                |                      | LEV                                                                                                                                                           |                                                 |             |  |
| Connectable outdoor unit                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                |                      | R410A, R407C, R22 CITY MULTI                                                                                                                                  |                                                 |             |  |
| Diameter of refrigerant pipe                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | Liquid (R410A)<br>(R22, R407C) | mm (in.)             | ø9.52 (ø3/8") Brazed<br>ø12.7 (ø1/2") Brazed                                                                                                                  | ø9.52 (ø3/8") Brazed<br>ø12.7 (ø1/2") Brazed    |             |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | Gas (R410A)<br>(R22, R407C)    | mm (in.)             | ø19.05 (ø3/4") Brazed<br>ø25.4 (ø1") Brazed                                                                                                                   | ø22.2 (ø7/8") Brazed<br>ø28.58 (ø1-1/8") Brazed |             |  |
| Diameter of drain pipe                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                | mm (in.)             | 32 (1-1/4")                                                                                                                                                   | 32 (1-1/4")                                     |             |  |
| Drawing                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | External                       |                      | IU-W27-5925                                                                                                                                                   |                                                 |             |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | Wiring                         |                      | IU-W65-3957                                                                                                                                                   |                                                 |             |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | Refrigerant cycle              |                      | -                                                                                                                                                             |                                                 |             |  |
| Standard attachment                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | Document                       |                      | Installation Manual, Instruction Book                                                                                                                         |                                                 |             |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | Accessory                      |                      | Drain hose VP-25 (flexible joint)                                                                                                                             |                                                 |             |  |
| Remark                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | Optional parts                 |                      |                                                                                                                                                               |                                                 |             |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | Long life filter               |                      | PAC-KE85LAF                                                                                                                                                   | PAC-KE85LAF                                     |             |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | Filter box                     |                      | PAC-KE250TB-F                                                                                                                                                 | PAC-KE250TB-F                                   |             |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | Drain pump kit                 |                      | PAC-KE04DM-F                                                                                                                                                  | PAC-KE04DM-F                                    |             |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                |                      |                                                                                                                                                               |                                                 |             |  |
| Installation                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                |                      | Details on foundation work, duct work, insulation work, electrical wiring, power source switch, and other items shall be referred to the Installation Manual. |                                                 |             |  |
| <div><div>Note :</div><div><div>*1 Nominal cooling conditions</div><div>*2 Nominal cooling conditions</div><div>*3 Nominal heating conditions</div></div><div><div>Indoor : 27°CDB/19°CWB (81°FDB/66°FWB)</div><div>Outdoor : 35°CDB (95°FDB)</div><div>Pipe length : 7.5 m (24-9/16 ft)</div><div>Level difference : 0 m (0 ft)</div></div><div><div>27°CDB/19.5°CWB (81°FDB/67°FWB)</div><div>35°CDB (95°FDB)</div><div>5 m (16-3/8 ft)</div><div>0 m (0 ft)</div></div><div><div>20°CDB (68°FDB)</div><div>7°CDB/6°CWB (45°FDB/43°FWB)</div><div>7.5 m (24-9/16 ft)</div><div>0 m (0 ft)</div></div></div> <div><div>Unit converter</div><div>kcal/h = kW x 860</div><div>Btu/h = kW x 3,412</div><div>cfm = m<sup>3</sup>/min x 35.31</div><div>lb = kg / 0.4536</div></div> <div><div>* Nominal conditions *1, *3 are subject to JIS B8615-1.</div><div>* Due to continuing improvement, above specification may be subject to change without notice.</div></div> <div><div>*Above specification data is subject to rounding variation.</div></div> |                                |                      |                                                                                                                                                               |                                                 |             |  |

Ref.: Spec\_PEFY-P-VMH-E\_3

## 2. CAPACITY TABLES

R410A Data G2

### 2-1a. Cooling capacity in combination with PUHY,PUY,PURY-P200,250YGM

PEFY-P-VML-E,VMH-E

CA : Capacity(kW) SHC : Sensible Heat Capacity(kW)

| Model size<br>(Rated kW) | Outdoor air temp. |      | Indoor air temp.  |                 |                 |                 |                 |                 |                 |     |                 |     |                 |     |                 |     |
|--------------------------|-------------------|------|-------------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----|-----------------|-----|-----------------|-----|-----------------|-----|
|                          |                   |      | 71 °FDB / 59°FWB  |                 | 73°FDB / 61°FWB |                 | 77°FDB / 64°FWB |                 | 81°FDB / 66°FWB |     | 82°FDB / 68°FWB |     | 86°FDB / 72°FWB |     | 90°FDB / 75°FWB |     |
|                          | °FDB              | °CDB | 21.5°CDB / 15°CWB | 23°CDB / 16°CWB | 25°CDB / 18°CWB | 27°CDB / 19°CWB | 28°CDB / 20°CWB | 30°CDB / 22°CWB | 32°CDB / 24°CWB |     |                 |     |                 |     |                 |     |
| 20<br>(2.2)              | 68                | 20.0 | 2.1               | 1.8             | 2.2             | 1.9             | 2.3             | 1.9             | 2.4             | 1.9 | 2.5             | 2.0 | 2.6             | 2.0 | 2.8             | 1.9 |
|                          | 73                | 22.5 | 2.1               | 1.8             | 2.2             | 1.9             | 2.3             | 1.9             | 2.4             | 1.9 | 2.5             | 2.0 | 2.6             | 2.0 | 2.8             | 1.9 |
|                          | 77                | 25.0 | 2.1               | 1.8             | 2.2             | 1.9             | 2.3             | 1.9             | 2.4             | 1.9 | 2.4             | 2.0 | 2.6             | 2.0 | 2.7             | 1.9 |
|                          | 82                | 27.5 | 2.1               | 1.8             | 2.1             | 1.9             | 2.3             | 1.8             | 2.3             | 1.9 | 2.4             | 2.0 | 2.5             | 1.9 | 2.7             | 1.9 |
|                          | 86                | 30.0 | 2.0               | 1.8             | 2.1             | 1.8             | 2.2             | 1.8             | 2.3             | 1.9 | 2.3             | 1.9 | 2.5             | 1.9 | 2.6             | 1.9 |
|                          | 91                | 32.5 | 2.0               | 1.8             | 2.1             | 1.8             | 2.2             | 1.8             | 2.2             | 1.8 | 2.3             | 1.9 | 2.4             | 1.9 | 2.6             | 1.9 |
|                          | 95                | 35.0 | 2.0               | 1.7             | 2.0             | 1.8             | 2.1             | 1.8             | 2.2             | 1.8 | 2.3             | 1.9 | 2.4             | 1.9 | 2.5             | 1.9 |
|                          | 100               | 37.5 | 1.9               | 1.7             | 2.0             | 1.8             | 2.1             | 1.8             | 2.1             | 1.8 | 2.2             | 1.9 | 2.3             | 1.9 | 2.5             | 1.8 |
|                          | 104               | 40.0 | 1.9               | 1.7             | 1.9             | 1.8             | 2.1             | 1.8             | 2.1             | 1.8 | 2.2             | 1.9 | 2.3             | 1.8 | 2.4             | 1.8 |
|                          | 110               | 43.0 | 1.8               | 1.7             | 1.9             | 1.8             | 2.0             | 1.7             | 2.0             | 1.8 | 2.1             | 1.9 | 2.2             | 1.8 | 2.4             | 1.8 |
| 25<br>(2.8)              | 68                | 20.0 | 2.7               | 2.1             | 2.8             | 2.2             | 2.9             | 2.2             | 3.0             | 2.2 | 3.1             | 2.3 | 3.3             | 2.3 | 3.5             | 2.3 |
|                          | 73                | 22.5 | 2.7               | 2.1             | 2.8             | 2.2             | 2.9             | 2.2             | 3.0             | 2.2 | 3.1             | 2.3 | 3.3             | 2.3 | 3.5             | 2.3 |
|                          | 77                | 25.0 | 2.7               | 2.1             | 2.8             | 2.2             | 2.9             | 2.2             | 3.0             | 2.2 | 3.1             | 2.3 | 3.3             | 2.3 | 3.5             | 2.2 |
|                          | 82                | 27.5 | 2.6               | 2.1             | 2.7             | 2.2             | 2.9             | 2.2             | 3.0             | 2.2 | 3.1             | 2.3 | 3.2             | 2.3 | 3.4             | 2.2 |
|                          | 86                | 30.0 | 2.6               | 2.1             | 2.7             | 2.2             | 2.8             | 2.1             | 2.9             | 2.2 | 3.0             | 2.3 | 3.1             | 2.2 | 3.3             | 2.2 |
|                          | 91                | 32.5 | 2.5               | 2.1             | 2.6             | 2.1             | 2.8             | 2.1             | 2.8             | 2.2 | 2.9             | 2.2 | 3.1             | 2.2 | 3.3             | 2.2 |
|                          | 95                | 35.0 | 2.5               | 2.1             | 2.6             | 2.1             | 2.7             | 2.1             | 2.8             | 2.1 | 2.9             | 2.2 | 3.0             | 2.2 | 3.2             | 2.2 |
|                          | 100               | 37.5 | 2.5               | 2.0             | 2.5             | 2.1             | 2.7             | 2.1             | 2.7             | 2.1 | 2.8             | 2.2 | 3.0             | 2.2 | 3.1             | 2.1 |
|                          | 104               | 40.0 | 2.4               | 2.0             | 2.5             | 2.1             | 2.6             | 2.1             | 2.7             | 2.1 | 2.8             | 2.2 | 2.9             | 2.1 | 3.1             | 2.1 |
|                          | 110               | 43.0 | 2.4               | 2.0             | 2.4             | 2.1             | 2.6             | 2.0             | 2.6             | 2.1 | 2.7             | 2.2 | 2.8             | 2.1 | 3.0             | 2.1 |
| 32<br>(3.6)              | 68                | 20.0 | 3.4               | 2.6             | 3.5             | 2.7             | 3.8             | 2.7             | 3.9             | 2.8 | 4.0             | 2.9 | 4.2             | 2.8 | 4.6             | 2.8 |
|                          | 73                | 22.5 | 3.4               | 2.6             | 3.5             | 2.7             | 3.8             | 2.7             | 3.9             | 2.8 | 4.0             | 2.9 | 4.2             | 2.8 | 4.6             | 2.8 |
|                          | 77                | 25.0 | 3.4               | 2.6             | 3.5             | 2.7             | 3.8             | 2.7             | 3.9             | 2.8 | 4.0             | 2.9 | 4.2             | 2.8 | 4.5             | 2.8 |
|                          | 82                | 27.5 | 3.4               | 2.6             | 3.5             | 2.7             | 3.7             | 2.7             | 3.8             | 2.7 | 3.9             | 2.8 | 4.1             | 2.8 | 4.4             | 2.7 |
|                          | 86                | 30.0 | 3.3               | 2.6             | 3.4             | 2.7             | 3.6             | 2.7             | 3.7             | 2.7 | 3.8             | 2.8 | 4.0             | 2.7 | 4.3             | 2.7 |
|                          | 91                | 32.5 | 3.3               | 2.6             | 3.4             | 2.7             | 3.6             | 2.6             | 3.7             | 2.7 | 3.8             | 2.8 | 4.0             | 2.7 | 4.2             | 2.7 |
|                          | 95                | 35.0 | 3.2               | 2.6             | 3.3             | 2.6             | 3.5             | 2.6             | 3.6             | 2.6 | 3.7             | 2.7 | 3.9             | 2.7 | 4.1             | 2.7 |
|                          | 100               | 37.5 | 3.2               | 2.5             | 3.2             | 2.6             | 3.4             | 2.6             | 3.5             | 2.6 | 3.6             | 2.7 | 3.8             | 2.7 | 4.0             | 2.6 |
|                          | 104               | 40.0 | 3.1               | 2.5             | 3.2             | 2.6             | 3.4             | 2.5             | 3.5             | 2.6 | 3.6             | 2.7 | 3.7             | 2.6 | 4.0             | 2.6 |
|                          | 110               | 43.0 | 3.0               | 2.5             | 3.1             | 2.5             | 3.3             | 2.5             | 3.3             | 2.5 | 3.5             | 2.6 | 3.6             | 2.6 | 3.9             | 2.6 |
| 40<br>(4.5)              | 68                | 20.0 | 4.3               | 3.3             | 4.4             | 3.4             | 4.7             | 3.3             | 4.9             | 3.4 | 5.0             | 3.5 | 5.3             | 3.5 | 5.7             | 3.4 |
|                          | 73                | 22.5 | 4.3               | 3.3             | 4.4             | 3.4             | 4.7             | 3.3             | 4.9             | 3.4 | 5.0             | 3.5 | 5.3             | 3.5 | 5.7             | 3.4 |
|                          | 77                | 25.0 | 4.3               | 3.3             | 4.4             | 3.4             | 4.7             | 3.3             | 4.9             | 3.4 | 5.0             | 3.5 | 5.3             | 3.5 | 5.6             | 3.4 |
|                          | 82                | 27.5 | 4.3               | 3.2             | 4.4             | 3.3             | 4.6             | 3.3             | 4.8             | 3.4 | 4.9             | 3.5 | 5.2             | 3.4 | 5.5             | 3.4 |
|                          | 86                | 30.0 | 4.2               | 3.2             | 4.3             | 3.3             | 4.6             | 3.3             | 4.7             | 3.3 | 4.8             | 3.4 | 5.0             | 3.4 | 5.4             | 3.3 |
|                          | 91                | 32.5 | 4.1               | 3.2             | 4.2             | 3.3             | 4.5             | 3.2             | 4.6             | 3.3 | 4.7             | 3.4 | 5.0             | 3.3 | 5.3             | 3.3 |
|                          | 95                | 35.0 | 4.0               | 3.1             | 4.1             | 3.2             | 4.4             | 3.2             | 4.5             | 3.2 | 4.6             | 3.4 | 4.9             | 3.3 | 5.2             | 3.3 |
|                          | 100               | 37.5 | 3.9               | 3.1             | 4.1             | 3.2             | 4.3             | 3.2             | 4.4             | 3.2 | 4.5             | 3.3 | 4.8             | 3.3 | 5.0             | 3.2 |
|                          | 104               | 40.0 | 3.9               | 3.1             | 4.0             | 3.2             | 4.2             | 3.1             | 4.3             | 3.2 | 4.5             | 3.3 | 4.7             | 3.2 | 5.0             | 3.2 |
|                          | 110               | 43.0 | 3.8               | 3.0             | 3.9             | 3.1             | 4.1             | 3.1             | 4.2             | 3.1 | 4.3             | 3.2 | 4.5             | 3.2 | 4.8             | 3.1 |
| 50<br>(5.6)              | 68                | 20.0 | 5.3               | 3.8             | 5.5             | 3.9             | 5.9             | 3.9             | 6.0             | 3.9 | 6.2             | 4.1 | 6.6             | 4.0 | 7.1             | 4.0 |
|                          | 73                | 22.5 | 5.3               | 3.8             | 5.5             | 3.9             | 5.9             | 3.9             | 6.0             | 3.9 | 6.2             | 4.1 | 6.6             | 4.0 | 7.1             | 4.0 |
|                          | 77                | 25.0 | 5.3               | 3.8             | 5.5             | 3.9             | 5.9             | 3.9             | 6.0             | 3.9 | 6.2             | 4.1 | 6.6             | 4.0 | 6.9             | 3.9 |
|                          | 82                | 27.5 | 5.3               | 3.8             | 5.5             | 3.9             | 5.8             | 3.9             | 5.9             | 3.9 | 6.1             | 4.0 | 6.4             | 4.0 | 6.8             | 3.9 |
|                          | 86                | 30.0 | 5.2               | 3.8             | 5.3             | 3.8             | 5.7             | 3.8             | 5.8             | 3.8 | 6.0             | 4.0 | 6.3             | 3.9 | 6.7             | 3.9 |
|                          | 91                | 32.5 | 5.1               | 3.7             | 5.3             | 3.8             | 5.5             | 3.8             | 5.7             | 3.8 | 5.9             | 3.9 | 6.2             | 3.9 | 6.6             | 3.8 |
|                          | 95                | 35.0 | 5.0               | 3.7             | 5.2             | 3.8             | 5.5             | 3.7             | 5.6             | 3.7 | 5.7             | 3.9 | 6.0             | 3.8 | 6.4             | 3.7 |
|                          | 100               | 37.5 | 4.9               | 3.6             | 5.0             | 3.7             | 5.3             | 3.7             | 5.5             | 3.7 | 5.6             | 3.8 | 5.9             | 3.8 | 6.3             | 3.7 |
|                          | 104               | 40.0 | 4.8               | 3.6             | 5.0             | 3.7             | 5.3             | 3.6             | 5.4             | 3.7 | 5.5             | 3.8 | 5.8             | 3.7 | 6.2             | 3.7 |
|                          | 110               | 43.0 | 4.7               | 3.5             | 4.8             | 3.6             | 5.1             | 3.6             | 5.2             | 3.6 | 5.4             | 3.7 | 5.7             | 3.7 | 6.0             | 3.6 |
| 63<br>(7.1)              | 68                | 20.0 | 6.7               | 5.0             | 7.0             | 5.2             | 7.5             | 5.1             | 7.7             | 5.2 | 7.9             | 5.4 | 8.4             | 5.3 | 9.0             | 5.3 |
|                          | 73                | 22.5 | 6.7               | 5.0             | 7.0             | 5.2             | 7.5             | 5.1             | 7.7             | 5.2 | 7.9             | 5.4 | 8.4             | 5.3 | 9.0             | 5.3 |
|                          | 77                | 25.0 | 6.7               | 5.0             | 7.0             | 5.2             | 7.5             | 5.1             | 7.7             | 5.2 | 7.8             | 5.4 | 8.3             | 5.3 | 8.8             | 5.2 |
|                          | 82                | 27.5 | 6.7               | 5.0             | 6.9             | 5.1             | 7.3             | 5.1             | 7.5             | 5.1 | 7.7             | 5.3 | 8.1             | 5.2 | 8.7             | 5.2 |
|                          | 86                | 30.0 | 6.6               | 4.9             | 6.8             | 5.1             | 7.2             | 5.0             | 7.4             | 5.1 | 7.6             | 5.3 | 8.0             | 5.2 | 8.5             | 5.1 |
|                          | 91                | 32.5 | 6.5               | 4.9             | 6.7             | 5.0             | 7.0             | 4.9             | 7.2             | 5.0 | 7.4             | 5.2 | 7.8             | 5.1 | 8.3             | 5.0 |
|                          | 95                | 35.0 | 6.4               | 4.8             | 6.5             | 5.0             | 6.9             | 4.9             | 7.1             | 5.0 | 7.3             | 5.1 | 7.7             | 5.1 | 8.1             | 5.0 |
|                          | 100               | 37.5 | 6.2               | 4.8             | 6.4             | 4.9             | 6.8             | 4.8             | 6.9             | 4.9 | 7.1             | 5.1 | 7.5             | 5.0 | 8.0             | 4.9 |
|                          | 104               | 40.0 | 6.1               | 4.7             | 6.3             | 4.8             | 6.7             | 4.8             | 6.8             | 4.8 | 7.0             | 5.0 | 7.3             | 4.9 | 7.8             | 4.9 |
|                          | 110               | 43.0 | 6.0               | 4.6             | 6.1             | 4.8             | 6.5             | 4.7             | 6.6             | 4.8 | 6.8             | 4.9 | 7.2             | 4.9 | 7.6             | 4.8 |
| 71<br>(8.0)              | 68                | 20.0 | 7.6               | 5.6             | 7.9             | 5.8             | 8.4             | 5.7             | 8.6             | 5.8 | 8.9             | 6.0 | 9.4             | 5.9 | 10.1            | 5.9 |
|                          | 73                | 22.5 | 7.6               | 5.6             | 7.9             | 5.8             | 8.4             | 5.7             | 8.6             | 5.8 | 8.9             | 6.0 | 9.4             | 5.9 | 10.1            | 5.9 |
|                          | 77                | 25.0 | 7.6               | 5.6             | 7.9             | 5.8             | 8.4             | 5.7             | 8.6             | 5.8 | 8.8             | 6.0 | 9.4             | 5.9 | 9.9             | 5.8 |
|                          | 82                | 27.5 | 7.6               | 5.6             | 7.8             | 5.7             | 8.2             | 5.7             | 8.5             | 5.7 | 8.7             | 5.9 | 9.2             | 5.8 | 9.8             | 5.8 |
|                          | 86                | 30.0 | 7.4               | 5.5             | 7.6             | 5.7             | 8.1             | 5.6             | 8.3             | 5.7 | 8.5             | 5.9 | 9.0             | 5.8 | 9.6             | 5.7 |
|                          | 91                | 32.5 | 7.3               | 5.4             | 7.5             | 5.6             | 7.9             | 5.5             | 8.1             | 5.6 | 8.4             | 5.8 | 8.8             | 5.7 | 9.4             | 5.6 |
|                          | 95                | 35.0 | 7.2               | 5.4             | 7.4             | 5.5             | 7.8             | 5.5             | 8.0             | 5.5 | 8.2             | 5.7 | 8.6             | 5.6 | 9.2             | 5.5 |
|                          | 100               | 37.5 | 7.0               | 5.3             | 7.2             | 5.5             | 7.6             | 5.4             | 7.8             | 5.5 | 8.0             | 5.7 | 8.5             | 5.6 | 9.0             | 5.5 |
|                          | 104               | 40.0 | 6.9               | 5.2             | 7.1             | 5.4             | 7.5             | 5.3             | 7.7             | 5.4 | 7.9             | 5.6 | 8.3             | 5.5 | 8.8             | 5.4 |
|                          | 110               | 43.0 | 6.7               | 5.2             | 6.9             | 5.3             | 7.3             | 5.3             | 7.4             | 5.3 | 7.7             | 5.5 | 8.1             | 5.4 | 8.6             | 5.3 |

kcal/h = kW x 860, Btu/h = kW x 3,412



## 2. CAPACITY TABLES

R410A Data G2

### 2-1a. Cooling capacity in combination with PUHY,PUY,PURY-P200,250YGM

PEFY-P-VML-E,VMH-E

CA : Capacity(kW) SHC : Sensible Heat Capacity(kW)

| Model size<br>(Rated kW) | Outdoor air temp. |      | Indoor air temp.  |      |                 |      |                 |      |                 |      |                 |      |                 |      |                 |      |
|--------------------------|-------------------|------|-------------------|------|-----------------|------|-----------------|------|-----------------|------|-----------------|------|-----------------|------|-----------------|------|
|                          |                   |      | 71°FDB / 59°FWB   |      | 73°FDB / 61°FWB |      | 77°FDB / 64°FWB |      | 81°FDB / 66°FWB |      | 82°FDB / 68°FWB |      | 86°FDB / 72°FWB |      | 90°FDB / 75°FWB |      |
|                          | °FDB              | °CDB | 21.5°CDB / 15°CWB |      | 23°CDB / 16°CWB |      | 25°CDB / 18°CWB |      | 27°CDB / 19°CWB |      | 28°CDB / 20°CWB |      | 30°CDB / 22°CWB |      | 32°CDB / 24°CWB |      |
| 80<br>(9.0)              | 68                | 20.0 | CA                | SHC  | CA              | SHC  | CA              | SHC  | CA              | SHC  | CA              | SHC  | CA              | SHC  | CA              | SHC  |
|                          | 73                | 22.5 | 8.6               | 6.3  | 8.9             | 6.5  | 9.5             | 6.5  | 9.7             | 6.6  | 10.0            | 6.8  | 10.6            | 6.7  | 11.4            | 6.7  |
|                          | 77                | 25.0 | 8.6               | 6.3  | 8.9             | 6.5  | 9.5             | 6.5  | 9.7             | 6.6  | 9.9             | 6.8  | 10.5            | 6.7  | 11.2            | 6.6  |
|                          | 82                | 27.5 | 8.5               | 6.3  | 8.8             | 6.5  | 9.3             | 6.4  | 9.5             | 6.5  | 9.8             | 6.7  | 10.3            | 6.6  | 11.0            | 6.5  |
|                          | 86                | 30.0 | 8.4               | 6.2  | 8.6             | 6.4  | 9.1             | 6.3  | 9.4             | 6.4  | 9.6             | 6.6  | 10.1            | 6.5  | 10.8            | 6.4  |
|                          | 91                | 32.5 | 8.2               | 6.2  | 8.5             | 6.3  | 8.9             | 6.3  | 9.1             | 6.3  | 9.4             | 6.6  | 9.9             | 6.4  | 10.5            | 6.4  |
|                          | 95                | 35.0 | 8.1               | 6.1  | 8.3             | 6.3  | 8.8             | 6.2  | 9.0             | 6.3  | 9.2             | 6.5  | 9.7             | 6.4  | 10.3            | 6.3  |
|                          | 100               | 37.5 | 7.9               | 6.0  | 8.1             | 6.2  | 8.6             | 6.1  | 8.8             | 6.2  | 9.0             | 6.4  | 9.5             | 6.3  | 10.1            | 6.2  |
|                          | 104               | 40.0 | 7.7               | 5.9  | 8.0             | 6.1  | 8.5             | 6.1  | 8.6             | 6.1  | 8.9             | 6.4  | 9.3             | 6.2  | 9.9             | 6.1  |
|                          | 110               | 43.0 | 7.6               | 5.8  | 7.8             | 6.0  | 8.2             | 6.0  | 8.4             | 6.0  | 8.6             | 6.2  | 9.1             | 6.1  | 9.6             | 6.0  |
| 100<br>(11.2)            | 68                | 20.0 | 10.6              | 8.5  | 11.0            | 8.8  | 11.8            | 8.8  | 12.1            | 8.9  | 12.5            | 9.3  | 13.2            | 9.2  | 14.2            | 9.1  |
|                          | 73                | 22.5 | 10.6              | 8.5  | 11.0            | 8.8  | 11.8            | 8.8  | 12.1            | 8.9  | 12.5            | 9.3  | 13.2            | 9.2  | 14.2            | 9.1  |
|                          | 77                | 25.0 | 10.6              | 8.5  | 11.0            | 8.8  | 11.8            | 8.8  | 12.1            | 8.9  | 12.4            | 9.2  | 13.1            | 9.1  | 13.9            | 9.0  |
|                          | 82                | 27.5 | 10.6              | 8.5  | 10.9            | 8.8  | 11.5            | 8.7  | 11.9            | 8.8  | 12.2            | 9.2  | 12.8            | 9.0  | 13.7            | 8.9  |
|                          | 86                | 30.0 | 10.4              | 8.4  | 10.7            | 8.7  | 11.3            | 8.6  | 11.6            | 8.7  | 11.9            | 9.1  | 12.5            | 8.9  | 13.4            | 8.8  |
|                          | 91                | 32.5 | 10.2              | 8.3  | 10.5            | 8.6  | 11.1            | 8.5  | 11.4            | 8.6  | 11.7            | 9.0  | 12.3            | 8.8  | 13.1            | 8.7  |
|                          | 95                | 35.0 | 10.0              | 8.2  | 10.3            | 8.5  | 10.9            | 8.4  | 11.2            | 8.6  | 11.5            | 8.9  | 12.1            | 8.8  | 12.8            | 8.6  |
|                          | 100               | 37.5 | 9.8               | 8.1  | 10.1            | 8.4  | 10.7            | 8.3  | 10.9            | 8.5  | 11.3            | 8.8  | 11.9            | 8.7  | 12.5            | 8.5  |
|                          | 104               | 40.0 | 9.6               | 8.1  | 9.9             | 8.3  | 10.5            | 8.2  | 10.8            | 8.4  | 11.1            | 8.7  | 11.6            | 8.6  | 12.3            | 8.5  |
|                          | 110               | 43.0 | 9.4               | 7.9  | 9.7             | 8.2  | 10.2            | 8.1  | 10.4            | 8.3  | 10.8            | 8.6  | 11.3            | 8.5  | 12.0            | 8.3  |
| 125<br>(14.0)            | 68                | 20.0 | 13.3              | 9.8  | 13.8            | 10.1 | 14.7            | 10.1 | 15.1            | 10.2 | 15.6            | 10.6 | 16.5            | 10.4 | 17.7            | 10.3 |
|                          | 73                | 22.5 | 13.3              | 9.8  | 13.8            | 10.1 | 14.7            | 10.1 | 15.1            | 10.2 | 15.6            | 10.6 | 16.5            | 10.4 | 17.7            | 10.3 |
|                          | 77                | 25.0 | 13.3              | 9.8  | 13.8            | 10.1 | 14.7            | 10.1 | 15.1            | 10.2 | 15.5            | 10.5 | 16.4            | 10.4 | 17.4            | 10.2 |
|                          | 82                | 27.5 | 13.2              | 9.8  | 13.7            | 10.1 | 14.4            | 9.9  | 14.8            | 10.1 | 15.3            | 10.4 | 16.0            | 10.2 | 17.1            | 10.1 |
|                          | 86                | 30.0 | 13.0              | 9.7  | 13.4            | 9.9  | 14.2            | 9.8  | 14.6            | 10.0 | 14.9            | 10.3 | 15.7            | 10.1 | 16.7            | 10.0 |
|                          | 91                | 32.5 | 12.7              | 9.5  | 13.2            | 9.8  | 13.9            | 9.7  | 14.2            | 9.8  | 14.6            | 10.2 | 15.4            | 10.0 | 16.4            | 9.9  |
|                          | 95                | 35.0 | 12.5              | 9.4  | 12.9            | 9.7  | 13.7            | 9.6  | 14.0            | 9.7  | 14.4            | 10.1 | 15.1            | 9.9  | 16.0            | 9.7  |
|                          | 100               | 37.5 | 12.3              | 9.3  | 12.6            | 9.6  | 13.4            | 9.5  | 13.7            | 9.6  | 14.1            | 9.9  | 14.8            | 9.8  | 15.7            | 9.6  |
|                          | 104               | 40.0 | 12.0              | 9.2  | 12.4            | 9.5  | 13.2            | 9.4  | 13.4            | 9.5  | 13.9            | 9.9  | 14.5            | 9.6  | 15.4            | 9.5  |
|                          | 110               | 43.0 | 11.8              | 9.1  | 12.1            | 9.3  | 12.8            | 9.2  | 13.0            | 9.3  | 13.4            | 9.7  | 14.1            | 9.5  | 15.0            | 9.4  |
| 140<br>(16.0)            | 68                | 20.0 | 15.2              | 11.2 | 15.8            | 11.6 | 16.8            | 11.5 | 17.3            | 11.7 | 17.8            | 12.1 | 18.9            | 11.9 | 20.2            | 11.8 |
|                          | 73                | 22.5 | 15.2              | 11.2 | 15.8            | 11.6 | 16.8            | 11.5 | 17.3            | 11.7 | 17.8            | 12.1 | 18.9            | 11.9 | 20.2            | 11.8 |
|                          | 77                | 25.0 | 15.2              | 11.2 | 15.8            | 11.6 | 16.8            | 11.5 | 17.3            | 11.7 | 17.7            | 12.0 | 18.7            | 11.9 | 19.8            | 11.7 |
|                          | 82                | 27.5 | 15.1              | 11.2 | 15.6            | 11.5 | 16.5            | 11.4 | 17.0            | 11.5 | 17.4            | 11.9 | 18.3            | 11.7 | 19.5            | 11.6 |
|                          | 86                | 30.0 | 14.9              | 11.1 | 15.3            | 11.4 | 16.2            | 11.2 | 16.6            | 11.4 | 17.0            | 11.8 | 17.9            | 11.6 | 19.1            | 11.4 |
|                          | 91                | 32.5 | 14.6              | 10.9 | 15.0            | 11.2 | 15.8            | 11.1 | 16.2            | 11.2 | 16.7            | 11.6 | 17.6            | 11.4 | 18.7            | 11.3 |
|                          | 95                | 35.0 | 14.3              | 10.8 | 14.7            | 11.1 | 15.6            | 11.0 | 16.0            | 11.1 | 16.4            | 11.5 | 17.3            | 11.3 | 18.3            | 11.1 |
|                          | 100               | 37.5 | 14.0              | 10.7 | 14.4            | 10.9 | 15.3            | 10.8 | 15.6            | 10.9 | 16.1            | 11.4 | 17.0            | 11.2 | 17.9            | 11.0 |
|                          | 104               | 40.0 | 13.8              | 10.5 | 14.2            | 10.8 | 15.0            | 10.7 | 15.4            | 10.8 | 15.8            | 11.3 | 16.6            | 11.0 | 17.6            | 10.9 |
|                          | 110               | 43.0 | 13.4              | 10.4 | 13.8            | 10.7 | 14.6            | 10.6 | 14.9            | 10.6 | 15.4            | 11.1 | 16.2            | 10.9 | 17.1            | 10.7 |
| 200<br>(22.4)            | 68                | 20.0 | 21.3              | 16.1 | 22.1            | 16.6 | 23.5            | 16.5 | 24.2            | 16.7 | 25.0            | 17.4 | 26.4            | 17.1 | 28.3            | 17.0 |
|                          | 73                | 22.5 | 21.3              | 16.1 | 22.1            | 16.6 | 23.5            | 16.5 | 24.2            | 16.7 | 25.0            | 17.4 | 26.4            | 17.1 | 28.3            | 17.0 |
|                          | 77                | 25.0 | 21.3              | 16.1 | 22.1            | 16.6 | 23.5            | 16.5 | 24.2            | 16.7 | 24.8            | 17.3 | 26.2            | 17.1 | 27.8            | 16.8 |
|                          | 82                | 27.5 | 21.2              | 16.0 | 21.8            | 16.5 | 23.1            | 16.3 | 23.7            | 16.6 | 24.4            | 17.2 | 25.6            | 16.8 | 27.3            | 16.6 |
|                          | 86                | 30.0 | 20.8              | 15.9 | 21.4            | 16.3 | 22.7            | 16.1 | 23.3            | 16.4 | 23.9            | 16.9 | 25.1            | 16.6 | 26.8            | 16.4 |
|                          | 91                | 32.5 | 20.4              | 15.7 | 21.1            | 16.2 | 22.2            | 15.9 | 22.7            | 16.1 | 23.4            | 16.8 | 24.6            | 16.5 | 26.2            | 16.2 |
|                          | 95                | 35.0 | 20.0              | 15.5 | 20.6            | 15.9 | 21.8            | 15.8 | 22.4            | 16.0 | 23.0            | 16.6 | 24.2            | 16.3 | 25.6            | 16.1 |
|                          | 100               | 37.5 | 19.6              | 15.3 | 20.2            | 15.7 | 21.4            | 15.6 | 21.8            | 15.8 | 22.5            | 16.4 | 23.7            | 16.1 | 25.1            | 15.9 |
|                          | 104               | 40.0 | 19.3              | 15.1 | 19.8            | 15.6 | 21.1            | 15.4 | 21.5            | 15.6 | 22.2            | 16.3 | 23.2            | 15.9 | 24.6            | 15.7 |
|                          | 110               | 43.0 | 18.8              | 14.9 | 19.4            | 15.4 | 20.5            | 15.2 | 20.8            | 15.4 | 21.5            | 16.0 | 22.6            | 15.7 | 24.0            | 15.5 |
| 250<br>(28.0)            | 68                | 20.0 | 26.6              | 20.0 | 27.6            | 20.7 | 29.4            | 20.5 | 30.2            | 20.8 | 31.2            | 21.6 | 33.0            | 21.3 | 35.4            | 21.1 |
|                          | 73                | 22.5 | 26.6              | 20.0 | 27.6            | 20.7 | 29.4            | 20.5 | 30.2            | 20.8 | 31.2            | 21.6 | 33.0            | 21.3 | 35.4            | 21.1 |
|                          | 77                | 25.0 | 26.6              | 20.0 | 27.6            | 20.7 | 29.4            | 20.5 | 30.2            | 20.8 | 30.9            | 21.5 | 32.8            | 21.2 | 34.7            | 20.9 |
|                          | 82                | 27.5 | 26.5              | 19.9 | 27.3            | 20.5 | 28.8            | 20.3 | 29.7            | 20.6 | 30.5            | 21.3 | 32.1            | 20.9 | 34.2            | 20.7 |
|                          | 86                | 30.0 | 26.0              | 19.7 | 26.7            | 20.3 | 28.3            | 20.1 | 29.1            | 20.3 | 29.8            | 21.0 | 31.4            | 20.7 | 33.5            | 20.4 |
|                          | 91                | 32.5 | 25.5              | 19.5 | 26.3            | 20.1 | 27.7            | 19.8 | 28.4            | 20.0 | 29.3            | 20.8 | 30.8            | 20.4 | 32.8            | 20.2 |
|                          | 95                | 35.0 | 25.1              | 19.3 | 25.8            | 19.8 | 27.3            | 19.6 | 28.0            | 19.9 | 28.7            | 20.6 | 30.2            | 20.2 | 32.1            | 19.9 |
|                          | 100               | 37.5 | 24.6              | 19.0 | 25.2            | 19.5 | 26.7            | 19.4 | 27.3            | 19.6 | 28.1            | 20.4 | 29.7            | 20.0 | 31.4            | 19.7 |
|                          | 104               | 40.0 | 24.1              | 18.8 | 24.8            | 19.4 | 26.3            | 19.2 | 26.9            | 19.4 | 27.7            | 20.2 | 29.0            | 19.8 | 30.8            | 19.5 |
|                          | 110               | 43.0 | 23.5              | 18.5 | 24.2            | 19.1 | 25.6            | 18.9 | 26.0            | 19.1 | 26.9            | 19.8 | 28.3            | 19.5 | 30.0            | 19.2 |

kcal/h = kW x 860, Btu/h = kW x 3,412

## 2. CAPACITY TABLES

R410A Data G2

### 2-1b. Heating capacity in combination with PUHY,PURY-P200,250YGM

PEFY-P-VML-E,VMH-E

SHC : Sensible Heat Capacity(kW)

| Model size<br>(Rated kW) | Outdoor air temp. |       | Indoor air temp. |          |          |          |
|--------------------------|-------------------|-------|------------------|----------|----------|----------|
|                          |                   |       | 59 °FDB          | 68 °FDB  | 77 °FDB  | 81 °FDB  |
|                          |                   |       | 15.0°CDB         | 20.0°CDB | 25.0°CDB | 27.0°CDB |
|                          | °FWB              | °CWB  | SHC              | SHC      | SHC      | SHC      |
| 20<br>(2.2)              | -4                | -20.0 | 1.3              | 1.3      | 1.3      | 1.3      |
|                          | 5                 | -15.0 | 1.6              | 1.5      | 1.5      | 1.5      |
|                          | 14                | -10.0 | 1.8              | 1.8      | 1.8      | 1.7      |
|                          | 23                | -5.0  | 2.1              | 2.1      | 2.0      | 1.8      |
|                          | 32                | 0.0   | 2.4              | 2.4      | 2.0      | 1.8      |
|                          | 37                | 2.5   | 2.5              | 2.5      | 2.0      | 1.8      |
|                          | 43                | 6.0   | 2.6              | 2.5      | 2.0      | 1.8      |
|                          | 46                | 7.5   | 2.7              | 2.5      | 2.0      | 1.8      |
|                          | 50                | 10.0  | 2.9              | 2.5      | 2.0      | 1.8      |
|                          | 55                | 12.5  | 3.0              | 2.5      | 2.0      | 1.8      |
|                          | 60                | 15.5  | 3.2              | 2.5      | 2.0      | 1.8      |
| 25<br>(2.8)              | -4                | -20.0 | 1.6              | 1.6      | 1.6      | 1.6      |
|                          | 5                 | -15.0 | 2.0              | 2.0      | 1.9      | 1.9      |
|                          | 14                | -10.0 | 2.3              | 2.3      | 2.2      | 2.2      |
|                          | 23                | -5.0  | 2.7              | 2.7      | 2.6      | 2.2      |
|                          | 32                | 0.0   | 3.0              | 3.0      | 2.6      | 2.2      |
|                          | 37                | 2.5   | 3.2              | 3.2      | 2.6      | 2.2      |
|                          | 43                | 6.0   | 3.3              | 3.2      | 2.6      | 2.2      |
|                          | 46                | 7.5   | 3.4              | 3.2      | 2.6      | 2.2      |
|                          | 50                | 10.0  | 3.6              | 3.2      | 2.6      | 2.2      |
|                          | 55                | 12.5  | 3.9              | 3.2      | 2.6      | 2.2      |
|                          | 60                | 15.5  | 4.1              | 3.2      | 2.6      | 2.2      |
| 32<br>(3.6)              | -4                | -20.0 | 2.1              | 2.0      | 2.0      | 2.0      |
|                          | 5                 | -15.0 | 2.5              | 2.4      | 2.4      | 2.4      |
|                          | 14                | -10.0 | 2.9              | 2.9      | 2.8      | 2.7      |
|                          | 23                | -5.0  | 3.4              | 3.3      | 3.2      | 2.8      |
|                          | 32                | 0.0   | 3.8              | 3.8      | 3.2      | 2.8      |
|                          | 37                | 2.5   | 4.0              | 4.0      | 3.2      | 2.8      |
|                          | 43                | 6.0   | 4.2              | 4.0      | 3.2      | 2.8      |
|                          | 46                | 7.5   | 4.3              | 4.0      | 3.2      | 2.8      |
|                          | 50                | 10.0  | 4.6              | 4.0      | 3.2      | 2.8      |
|                          | 55                | 12.5  | 4.8              | 4.0      | 3.2      | 2.8      |
|                          | 60                | 15.5  | 5.1              | 4.0      | 3.2      | 2.8      |
| 40<br>(4.5)              | -4                | -20.0 | 2.6              | 2.5      | 2.5      | 2.5      |
|                          | 5                 | -15.0 | 3.1              | 3.1      | 3.0      | 3.0      |
|                          | 14                | -10.0 | 3.7              | 3.6      | 3.5      | 3.4      |
|                          | 23                | -5.0  | 4.2              | 4.2      | 4.0      | 3.5      |
|                          | 32                | 0.0   | 4.7              | 4.7      | 4.0      | 3.5      |
|                          | 37                | 2.5   | 5.0              | 5.0      | 4.0      | 3.5      |
|                          | 43                | 6.0   | 5.2              | 5.0      | 4.0      | 3.5      |
|                          | 46                | 7.5   | 5.4              | 5.0      | 4.0      | 3.5      |
|                          | 50                | 10.0  | 5.7              | 5.0      | 4.0      | 3.5      |
|                          | 55                | 12.5  | 6.0              | 5.0      | 4.0      | 3.5      |
|                          | 60                | 15.5  | 6.4              | 5.0      | 4.0      | 3.5      |
| 50<br>(5.6)              | -4                | -20.0 | 3.2              | 3.2      | 3.2      | 3.2      |
|                          | 5                 | -15.0 | 3.9              | 3.8      | 3.8      | 3.7      |
|                          | 14                | -10.0 | 4.6              | 4.5      | 4.4      | 4.3      |
|                          | 23                | -5.0  | 5.3              | 5.2      | 5.0      | 4.4      |
|                          | 32                | 0.0   | 6.0              | 5.9      | 5.0      | 4.4      |
|                          | 37                | 2.5   | 6.3              | 6.2      | 5.0      | 4.4      |
|                          | 43                | 6.0   | 6.6              | 6.3      | 5.0      | 4.4      |
|                          | 46                | 7.5   | 6.8              | 6.3      | 5.0      | 4.4      |
|                          | 50                | 10.0  | 7.2              | 6.3      | 5.0      | 4.4      |
|                          | 55                | 12.5  | 7.6              | 6.3      | 5.0      | 4.4      |
|                          | 60                | 15.5  | 8.1              | 6.3      | 5.0      | 4.4      |
| 63<br>(7.1)              | -4                | -20.0 | 4.1              | 4.0      | 4.0      | 4.0      |
|                          | 5                 | -15.0 | 5.0              | 4.9      | 4.8      | 4.7      |
|                          | 14                | -10.0 | 5.8              | 5.8      | 5.6      | 5.5      |
|                          | 23                | -5.0  | 6.7              | 6.6      | 6.4      | 5.6      |
|                          | 32                | 0.0   | 7.6              | 7.5      | 6.4      | 5.6      |
|                          | 37                | 2.5   | 8.0              | 7.9      | 6.4      | 5.6      |
|                          | 43                | 6.0   | 8.3              | 8.0      | 6.4      | 5.6      |
|                          | 46                | 7.5   | 8.6              | 8.0      | 6.4      | 5.6      |
|                          | 50                | 10.0  | 9.1              | 8.0      | 6.4      | 5.6      |
|                          | 55                | 12.5  | 9.6              | 8.0      | 6.4      | 5.6      |
|                          | 60                | 15.5  | 10.2             | 8.0      | 6.4      | 5.6      |
| 71<br>(8.0)              | -4                | -20.0 | 4.6              | 4.5      | 4.5      | 4.5      |
|                          | 5                 | -15.0 | 5.6              | 5.5      | 5.4      | 5.3      |
|                          | 14                | -10.0 | 6.6              | 6.5      | 6.3      | 6.2      |
|                          | 23                | -5.0  | 7.6              | 7.5      | 7.2      | 6.3      |
|                          | 32                | 0.0   | 8.5              | 8.5      | 7.2      | 6.3      |
|                          | 37                | 2.5   | 9.0              | 8.9      | 7.2      | 6.3      |
|                          | 43                | 6.0   | 9.4              | 9.0      | 7.2      | 6.3      |
|                          | 46                | 7.5   | 9.7              | 9.0      | 7.2      | 6.3      |
|                          | 50                | 10.0  | 10.3             | 9.0      | 7.2      | 6.3      |
|                          | 55                | 12.5  | 10.8             | 9.0      | 7.2      | 6.3      |
|                          | 60                | 15.5  | 11.5             | 9.0      | 7.2      | 6.3      |

| Model size<br>(Rated kW) | Outdoor air temp. |       | Indoor air temp. |          |          |          |
|--------------------------|-------------------|-------|------------------|----------|----------|----------|
|                          |                   |       | 59 °FDB          | 68 °FDB  | 77 °FDB  | 81 °FDB  |
|                          |                   |       | 15.0°CDB         | 20.0°CDB | 25.0°CDB | 27.0°CDB |
|                          | °FWB              | °CWB  | SHC              | SHC      | SHC      | SHC      |
| 80<br>(9.0)              | -4                | -20.0 | 5.2              | 5.0      | 5.0      | 5.0      |
|                          | 5                 | -15.0 | 6.2              | 6.1      | 6.0      | 5.9      |
|                          | 14                | -10.0 | 7.3              | 7.2      | 7.0      | 6.9      |
|                          | 23                | -5.0  | 8.4              | 8.3      | 8.0      | 7.0      |
|                          | 32                | 0.0   | 9.5              | 9.4      | 8.0      | 7.0      |
|                          | 37                | 2.5   | 10.0             | 9.9      | 8.0      | 7.0      |
|                          | 43                | 6.0   | 10.4             | 10.0     | 8.0      | 7.0      |
|                          | 46                | 7.5   | 10.8             | 10.0     | 8.0      | 7.0      |
|                          | 50                | 10.0  | 11.4             | 10.0     | 8.0      | 7.0      |
|                          | 55                | 12.5  | 12.1             | 10.0     | 8.0      | 7.0      |
|                          | 60                | 15.5  | 12.8             | 10.0     | 8.0      | 7.0      |
| 100<br>(11.2)            | -4                | -20.0 | 6.4              | 6.3      | 6.3      | 6.3      |
|                          | 5                 | -15.0 | 7.8              | 7.6      | 7.5      | 7.4      |
|                          | 14                | -10.0 | 9.1              | 9.0      | 8.8      | 8.6      |
|                          | 23                | -5.0  | 10.5             | 10.4     | 10.0     | 8.8      |
|                          | 32                | 0.0   | 11.8             | 11.8     | 10.0     | 8.8      |
|                          | 37                | 2.5   | 12.5             | 12.4     | 10.0     | 8.8      |
|                          | 43                | 6.0   | 13.0             | 12.5     | 10.0     | 8.8      |
|                          | 46                | 7.5   | 13.4             | 12.5     | 10.0     | 8.8      |
|                          | 50                | 10.0  | 14.3             | 12.5     | 10.0     | 8.8      |
|                          | 55                | 12.5  | 15.1             | 12.5     | 10.0     | 8.8      |
|                          | 60                | 15.5  | 16.0             | 12.5     | 10.0     | 8.8      |
| 125<br>(14.0)            | -4                | -20.0 | 8.2              | 8.0      | 8.0      | 8.0      |
|                          | 5                 | -15.0 | 9.9              | 9.8      | 9.6      | 9.4      |
|                          | 14                | -10.0 | 11.7             | 11.5     | 11.2     | 11.0     |
|                          | 23                | -5.0  | 13.4             | 13.3     | 12.8     | 11.2     |
|                          | 32                | 0.0   | 15.1             | 15.0     | 12.8     | 11.2     |
|                          | 37                | 2.5   | 16.0             | 15.8     | 12.8     | 11.2     |
|                          | 43                | 6.0   | 16.6             | 16.0     | 12.8     | 11.2     |
|                          | 46                | 7.5   | 17.2             | 16.0     | 12.8     | 11.2     |
|                          | 50                | 10.0  | 18.2             | 16.0     | 12.8     | 11.2     |
|                          | 55                | 12.5  | 19.3             | 16.0     | 12.8     | 11.2     |
|                          | 60                | 15.5  | 20.5             | 16.0     | 12.8     | 11.2     |
| 140<br>(16.0)            | -4                | -20.0 | 9.3              | 9.0      | 9.0      | 9.0      |
|                          | 5                 | -15.0 | 11.2             | 11.0     | 10.8     | 10.6     |
|                          | 14                | -10.0 | 13.1             | 13.0     | 12.6     | 12.3     |
|                          | 23                | -5.0  | 15.1             | 14.9     | 14.4     | 12.6     |
|                          | 32                | 0.0   | 17.0             | 16.9     | 14.4     | 12.6     |
|                          | 37                | 2.5   | 18.0             | 17.8     | 14.4     | 12.6     |
|                          | 43                | 6.0   | 18.7             | 18.0     | 14.4     | 12.6     |
|                          | 46                | 7.5   | 19.4             | 18.0     | 14.4     | 12.6     |
|                          | 50                | 10.0  | 20.5             | 18.0     | 14.4     | 12.6     |
|                          | 55                | 12.5  | 21.7             | 18.0     | 14.4     | 12.6     |
|                          | 60                | 15.5  | 23.0             | 18.0     | 14.4     | 12.6     |
| 200<br>(22.4)            | -4                | -20.0 | 12.9             | 12.5     | 12.5     | 12.5     |
|                          | 5                 | -15.0 | 15.5             | 15.3     | 15.0     | 14.8     |
|                          | 14                | -10.0 | 18.3             | 18.0     | 17.5     | 17.1     |
|                          | 23                | -5.0  | 21.0             | 20.8     | 20.0     | 17.5     |
|                          | 32                | 0.0   | 23.6             | 23.5     | 20.0     | 17.5     |
|                          | 37                | 2.5   | 25.0             | 24.8     | 20.0     | 17.5     |
|                          | 43                | 6.0   | 26.0             | 25.0     | 20.0     | 17.5     |
|                          | 46                | 7.5   | 26.9             | 25.0     | 20.0     | 17.5     |
|                          | 50                | 10.0  | 28.5             | 25.0     | 20.0     | 17.5     |
|                          | 55                | 12.5  | 30.1             | 25.0     | 20.0     | 17.5     |
|                          | 60                | 15.5  | 32.0             | 25.0     | 20.0     | 17.5     |
| 250<br>(28.0)            | -4                | -20.0 | 16.2             | 15.8     | 15.8     | 15.8     |
|                          | 5                 | -15.0 | 19.5             | 19.2     | 18.9     | 18.6     |
|                          | 14                | -10.0 | 23.0             | 22.7     | 22.1     | 21.6     |
|                          | 23                | -5.0  | 26.5             | 26.1     | 25.2     | 22.1     |
|                          | 32                | 0.0   | 29.8             | 29.6     | 25.2     | 22.1     |
|                          | 37                | 2.5   | 31.5             | 31.2     | 25.2     | 22.1     |
|                          | 43                | 6.0   | 32.8             | 31.5     | 25.2     | 22.1     |
|                          | 46                | 7.5   | 33.9             | 31.5     | 25.2     | 22.1     |
|                          | 50                | 10.0  | 35.9             | 31.5     | 25.2     | 22.1     |
|                          | 55                | 12.5  | 38.0             | 31.5     | 25.2     | 22.1     |
|                          | 60                | 15.5  | 40.3             | 31.5     | 25.2     | 22.1     |

kcal/h = kW x 860, Btu/h = kW x 3,412



## 2. CAPACITY TABLES

R410A Data G2

### 2-2a. Cooling capacity in combination with PUHY,PUY,PURY-P300,350YGM / PUHY,PURY-P400YGM

PEFY-P-VML-E,VMH-E

CA : Capacity(kW) SHC : Sensible Heat Capacity(kW)

| Model size<br>(Rated kW) | Outdoor air temp. |      | Indoor air temp.  |     |                  |     |                  |     |                  |     |                  |     |                  |     |                  |     |
|--------------------------|-------------------|------|-------------------|-----|------------------|-----|------------------|-----|------------------|-----|------------------|-----|------------------|-----|------------------|-----|
|                          |                   |      | 71 °FDB / 59°F WB |     | 73°FDB / 61°F WB |     | 77°FDB / 64°F WB |     | 81°FDB / 66°F WB |     | 82°FDB / 68°F WB |     | 86°FDB / 72°F WB |     | 90°FDB / 75°F WB |     |
|                          | °FDB              | °CDB | 21.5°CDB / 15°CWB | SHC | 23°CDB / 16°CWB  | SHC | 25°CDB / 18°CWB  | SHC | 27°CDB / 19°CWB  | SHC | 28°CDB / 20°CWB  | SHC | 30°CDB / 22°CWB  | SHC | 32°CDB / 24°CWB  | SHC |
| 20<br>(2.2)              | 68                | 20.0 | 2.1               | 1.8 | 2.2              | 1.9 | 2.4              | 1.9 | 2.5              | 1.9 | 2.5              | 2.0 | 2.7              | 2.0 | 2.9              | 2.0 |
|                          | 73                | 22.5 | 2.1               | 1.8 | 2.2              | 1.9 | 2.3              | 1.9 | 2.4              | 1.9 | 2.5              | 2.0 | 2.6              | 2.0 | 2.8              | 1.9 |
|                          | 77                | 25.0 | 2.1               | 1.8 | 2.2              | 1.9 | 2.3              | 1.9 | 2.4              | 1.9 | 2.4              | 2.0 | 2.6              | 2.0 | 2.8              | 1.9 |
|                          | 82                | 27.5 | 2.1               | 1.8 | 2.1              | 1.9 | 2.3              | 1.8 | 2.3              | 1.9 | 2.4              | 2.0 | 2.5              | 1.9 | 2.7              | 1.9 |
|                          | 86                | 30.0 | 2.0               | 1.8 | 2.1              | 1.8 | 2.2              | 1.8 | 2.3              | 1.9 | 2.4              | 1.9 | 2.5              | 1.9 | 2.6              | 1.9 |
|                          | 91                | 32.5 | 2.0               | 1.8 | 2.0              | 1.8 | 2.2              | 1.8 | 2.2              | 1.9 | 2.3              | 1.9 | 2.4              | 1.9 | 2.6              | 1.9 |
|                          | 95                | 35.0 | 2.0               | 1.7 | 2.0              | 1.8 | 2.1              | 1.8 | 2.2              | 1.8 | 2.3              | 1.9 | 2.4              | 1.9 | 2.5              | 1.9 |
|                          | 100               | 37.5 | 1.9               | 1.7 | 1.9              | 1.8 | 2.1              | 1.8 | 2.1              | 1.8 | 2.2              | 1.9 | 2.4              | 1.9 | 2.5              | 1.8 |
|                          | 104               | 40.0 | 1.9               | 1.7 | 1.9              | 1.8 | 2.0              | 1.7 | 2.1              | 1.8 | 2.4              | 2.0 | 2.3              | 1.9 | 2.4              | 1.8 |
|                          | 110               | 43.0 | 1.8               | 1.7 | 1.8              | 1.7 | 2.0              | 1.7 | 2.0              | 1.8 | 2.1              | 1.9 | 2.2              | 1.8 | 2.4              | 1.8 |
| 25<br>(2.8)              | 68                | 20.0 | 2.7               | 2.2 | 2.8              | 2.2 | 3.0              | 2.2 | 3.1              | 2.3 | 3.2              | 2.4 | 3.4              | 2.3 | 3.6              | 2.3 |
|                          | 73                | 22.5 | 2.7               | 2.1 | 2.8              | 2.2 | 3.0              | 2.2 | 3.1              | 2.3 | 3.2              | 2.3 | 3.4              | 2.3 | 3.6              | 2.3 |
|                          | 77                | 25.0 | 2.7               | 2.1 | 2.7              | 2.2 | 2.9              | 2.2 | 3.0              | 2.2 | 3.1              | 2.3 | 3.3              | 2.3 | 3.5              | 2.3 |
|                          | 82                | 27.5 | 2.6               | 2.1 | 2.7              | 2.2 | 2.9              | 2.2 | 3.0              | 2.2 | 3.1              | 2.3 | 3.2              | 2.3 | 3.4              | 2.2 |
|                          | 86                | 30.0 | 2.6               | 2.1 | 2.6              | 2.1 | 2.8              | 2.1 | 2.9              | 2.2 | 3.0              | 2.3 | 3.2              | 2.2 | 3.4              | 2.2 |
|                          | 91                | 32.5 | 2.5               | 2.1 | 2.6              | 2.1 | 2.8              | 2.1 | 2.9              | 2.2 | 2.9              | 2.2 | 3.1              | 2.2 | 3.3              | 2.2 |
|                          | 95                | 35.0 | 2.5               | 2.1 | 2.5              | 2.1 | 2.7              | 2.1 | 2.8              | 2.1 | 2.9              | 2.2 | 3.1              | 2.2 | 3.2              | 2.2 |
|                          | 100               | 37.5 | 2.5               | 2.0 | 2.5              | 2.1 | 2.6              | 2.1 | 2.7              | 2.1 | 2.8              | 2.2 | 3.0              | 2.2 | 3.2              | 2.1 |
|                          | 104               | 40.0 | 2.4               | 2.0 | 2.4              | 2.1 | 2.6              | 2.0 | 2.7              | 2.1 | 3.0              | 2.3 | 2.9              | 2.2 | 3.1              | 2.1 |
|                          | 110               | 43.0 | 2.4               | 2.0 | 2.4              | 2.0 | 2.5              | 2.0 | 2.6              | 2.1 | 2.7              | 2.1 | 2.8              | 2.1 | 3.0              | 2.1 |
| 32<br>(3.6)              | 68                | 20.0 | 3.5               | 2.7 | 3.6              | 2.8 | 3.9              | 2.8 | 4.0              | 2.8 | 4.2              | 2.9 | 4.4              | 2.9 | 4.7              | 2.8 |
|                          | 73                | 22.5 | 3.5               | 2.7 | 3.6              | 2.8 | 3.8              | 2.7 | 4.0              | 2.8 | 4.1              | 2.9 | 4.3              | 2.9 | 4.6              | 2.8 |
|                          | 77                | 25.0 | 3.4               | 2.7 | 3.5              | 2.7 | 3.8              | 2.7 | 3.9              | 2.8 | 4.0              | 2.9 | 4.2              | 2.8 | 4.5              | 2.8 |
|                          | 82                | 27.5 | 3.4               | 2.6 | 3.5              | 2.7 | 3.7              | 2.7 | 3.8              | 2.7 | 3.9              | 2.8 | 4.2              | 2.8 | 4.4              | 2.8 |
|                          | 86                | 30.0 | 3.3               | 2.6 | 3.4              | 2.7 | 3.6              | 2.6 | 3.7              | 2.7 | 3.9              | 2.8 | 4.1              | 2.8 | 4.3              | 2.7 |
|                          | 91                | 32.5 | 3.3               | 2.6 | 3.3              | 2.6 | 3.5              | 2.6 | 3.7              | 2.7 | 3.8              | 2.8 | 4.0              | 2.7 | 4.2              | 2.7 |
|                          | 95                | 35.0 | 3.2               | 2.5 | 3.3              | 2.6 | 3.5              | 2.6 | 3.6              | 2.6 | 3.7              | 2.7 | 3.9              | 2.7 | 4.2              | 2.7 |
|                          | 100               | 37.5 | 3.2               | 2.5 | 3.2              | 2.6 | 3.4              | 2.6 | 3.5              | 2.6 | 3.6              | 2.7 | 3.9              | 2.7 | 4.1              | 2.6 |
|                          | 104               | 40.0 | 3.1               | 2.5 | 3.1              | 2.5 | 3.3              | 2.5 | 3.4              | 2.6 | 3.9              | 2.8 | 3.8              | 2.6 | 4.0              | 2.6 |
|                          | 110               | 43.0 | 3.0               | 2.5 | 3.0              | 2.5 | 3.2              | 2.5 | 3.3              | 2.5 | 3.4              | 2.6 | 3.7              | 2.6 | 3.9              | 2.6 |
| 40<br>(4.5)              | 68                | 20.0 | 4.4               | 3.3 | 4.5              | 3.4 | 4.9              | 3.4 | 5.0              | 3.5 | 5.2              | 3.6 | 5.5              | 3.6 | 5.9              | 3.5 |
|                          | 73                | 22.5 | 4.3               | 3.3 | 4.5              | 3.4 | 4.8              | 3.4 | 5.0              | 3.4 | 5.1              | 3.6 | 5.4              | 3.5 | 5.7              | 3.5 |
|                          | 77                | 25.0 | 4.3               | 3.3 | 4.4              | 3.4 | 4.7              | 3.3 | 4.9              | 3.4 | 5.0              | 3.5 | 5.3              | 3.5 | 5.6              | 3.4 |
|                          | 82                | 27.5 | 4.2               | 3.2 | 4.3              | 3.3 | 4.6              | 3.3 | 4.8              | 3.4 | 4.9              | 3.5 | 5.2              | 3.4 | 5.5              | 3.4 |
|                          | 86                | 30.0 | 4.1               | 3.2 | 4.2              | 3.3 | 4.5              | 3.3 | 4.7              | 3.3 | 4.8              | 3.4 | 5.1              | 3.4 | 5.4              | 3.3 |
|                          | 91                | 32.5 | 4.1               | 3.2 | 4.2              | 3.2 | 4.4              | 3.2 | 4.6              | 3.3 | 4.7              | 3.4 | 5.0              | 3.4 | 5.3              | 3.3 |
|                          | 95                | 35.0 | 4.0               | 3.1 | 4.1              | 3.2 | 4.3              | 3.2 | 4.5              | 3.2 | 4.6              | 3.4 | 4.9              | 3.3 | 5.2              | 3.3 |
|                          | 100               | 37.5 | 4.0               | 3.1 | 4.0              | 3.2 | 4.3              | 3.1 | 4.4              | 3.2 | 4.5              | 3.3 | 4.8              | 3.3 | 5.1              | 3.2 |
|                          | 104               | 40.0 | 3.9               | 3.1 | 3.9              | 3.1 | 4.2              | 3.1 | 4.3              | 3.2 | 4.9              | 3.5 | 4.7              | 3.2 | 5.0              | 3.2 |
|                          | 110               | 43.0 | 3.8               | 3.0 | 3.8              | 3.1 | 4.1              | 3.0 | 4.2              | 3.1 | 4.3              | 3.2 | 4.6              | 3.2 | 4.8              | 3.1 |
| 50<br>(5.6)              | 68                | 20.0 | 5.4               | 3.9 | 5.6              | 4.0 | 6.0              | 4.0 | 6.3              | 4.0 | 6.5              | 4.2 | 6.9              | 4.1 | 7.3              | 4.1 |
|                          | 73                | 22.5 | 5.4               | 3.9 | 5.6              | 4.0 | 6.0              | 3.9 | 6.2              | 4.0 | 6.4              | 4.1 | 6.7              | 4.1 | 7.1              | 4.0 |
|                          | 77                | 25.0 | 5.3               | 3.8 | 5.5              | 3.9 | 5.9              | 3.9 | 6.0              | 3.9 | 6.2              | 4.1 | 6.6              | 4.0 | 7.0              | 4.0 |
|                          | 82                | 27.5 | 5.2               | 3.8 | 5.4              | 3.9 | 5.7              | 3.8 | 5.9              | 3.9 | 6.1              | 4.0 | 6.5              | 4.0 | 6.9              | 3.9 |
|                          | 86                | 30.0 | 5.2               | 3.7 | 5.3              | 3.8 | 5.6              | 3.8 | 5.8              | 3.8 | 6.0              | 4.0 | 6.4              | 3.9 | 6.7              | 3.9 |
|                          | 91                | 32.5 | 5.1               | 3.7 | 5.2              | 3.8 | 5.5              | 3.7 | 5.7              | 3.8 | 5.9              | 3.9 | 6.2              | 3.9 | 6.6              | 3.8 |
|                          | 95                | 35.0 | 5.0               | 3.6 | 5.1              | 3.7 | 5.4              | 3.7 | 5.6              | 3.7 | 5.8              | 3.9 | 6.1              | 3.8 | 6.5              | 3.8 |
|                          | 100               | 37.5 | 4.9               | 3.6 | 5.0              | 3.7 | 5.3              | 3.6 | 5.5              | 3.7 | 5.7              | 3.8 | 6.0              | 3.8 | 6.3              | 3.7 |
|                          | 104               | 40.0 | 4.8               | 3.6 | 4.8              | 3.6 | 5.2              | 3.6 | 5.3              | 3.6 | 6.1              | 4.0 | 5.9              | 3.7 | 6.2              | 3.7 |
|                          | 110               | 43.0 | 4.7               | 3.5 | 4.7              | 3.5 | 5.0              | 3.5 | 5.2              | 3.6 | 5.3              | 3.7 | 5.7              | 3.7 | 6.0              | 3.6 |
| 63<br>(7.1)              | 68                | 20.0 | 6.9               | 5.1 | 7.1              | 5.2 | 7.7              | 5.2 | 8.0              | 5.3 | 8.2              | 5.5 | 8.7              | 5.5 | 9.2              | 5.4 |
|                          | 73                | 22.5 | 6.9               | 5.1 | 7.1              | 5.2 | 7.6              | 5.2 | 7.8              | 5.3 | 8.1              | 5.5 | 8.5              | 5.4 | 9.1              | 5.3 |
|                          | 77                | 25.0 | 6.8               | 5.0 | 7.0              | 5.2 | 7.4              | 5.1 | 7.7              | 5.2 | 7.9              | 5.4 | 8.4              | 5.3 | 8.9              | 5.2 |
|                          | 82                | 27.5 | 6.6               | 5.0 | 6.8              | 5.1 | 7.3              | 5.1 | 7.5              | 5.1 | 7.8              | 5.3 | 8.2              | 5.3 | 8.7              | 5.2 |
|                          | 86                | 30.0 | 6.5               | 4.9 | 6.7              | 5.0 | 7.1              | 5.0 | 7.4              | 5.1 | 7.6              | 5.3 | 8.1              | 5.2 | 8.5              | 5.1 |
|                          | 91                | 32.5 | 6.4               | 4.9 | 6.6              | 5.0 | 7.0              | 4.9 | 7.2              | 5.0 | 7.5              | 5.2 | 7.9              | 5.1 | 8.4              | 5.1 |
|                          | 95                | 35.0 | 6.3               | 4.8 | 6.4              | 4.9 | 6.8              | 4.9 | 7.1              | 5.0 | 7.3              | 5.2 | 7.7              | 5.1 | 8.2              | 5.0 |
|                          | 100               | 37.5 | 6.2               | 4.8 | 6.3              | 4.8 | 6.7              | 4.8 | 6.9              | 4.9 | 7.2              | 5.1 | 7.6              | 5.0 | 8.0              | 4.9 |
|                          | 104               | 40.0 | 6.1               | 4.7 | 6.1              | 4.8 | 6.6              | 4.7 | 6.8              | 4.8 | 7.7              | 5.3 | 7.4              | 5.0 | 7.8              | 4.9 |
|                          | 110               | 43.0 | 6.0               | 4.6 | 6.0              | 4.7 | 6.4              | 4.7 | 6.6              | 4.8 | 6.8              | 4.9 | 7.2              | 4.9 | 7.6              | 4.8 |
| 71<br>(8.0)              | 68                | 20.0 | 7.8               | 5.7 | 8.0              | 5.9 | 8.6              | 5.9 | 9.0              | 5.9 | 9.2              | 6.2 | 9.8              | 6.1 | 10.4             | 6.0 |
|                          | 73                | 22.5 | 7.7               | 5.7 | 8.0              | 5.8 | 8.5              | 5.8 | 8.8              | 5.9 | 9.1              | 6.1 | 9.6              | 6.0 | 10.2             | 5.9 |
|                          | 77                | 25.0 | 7.6               | 5.6 | 7.8              | 5.8 | 8.4              | 5.7 | 8.6              | 5.8 | 8.9              | 6.0 | 9.4              | 5.9 | 10.0             | 5.9 |
|                          | 82                | 27.5 | 7.5               | 5.5 | 7.7              | 5.7 | 8.2              | 5.7 | 8.5              | 5.7 | 8.7              | 6.0 | 9.3              | 5.9 | 9.8              | 5.8 |
|                          | 86                | 30.0 | 7.4               | 5.5 | 7.5              | 5.6 | 8.0              | 5.6 | 8.3              | 5.7 | 8.6              | 5.9 | 9.1              | 5.8 | 9.6              | 5.7 |
|                          | 91                | 32.5 | 7.2               | 5.4 | 7.4              | 5.5 | 7.9              | 5.5 | 8.2              | 5.6 | 8.4              | 5.8 | 8.9              | 5.7 | 9.4              | 5.6 |
|                          | 95                | 35.0 | 7.1               | 5.4 | 7.2              | 5.5 | 7.7              | 5.4 | 8.0              | 5.5 | 8.2              | 5.7 | 8.7              | 5.7 | 9.2              | 5.6 |
|                          | 100               | 37.5 | 7.0               | 5.3 | 7.1              | 5.4 | 7.6              | 5.4 | 7.8              | 5.5 | 8.1              | 5.7 | 8.6              | 5.6 | 9.1              | 5.5 |
|                          | 104               | 40.0 | 6.9               | 5.3 | 6.9              | 5.3 | 7.4              | 5.3 | 7.6              | 5.4 | 8.7              | 5.9 | 8.4              | 5.5 | 8.8              | 5.4 |
|                          | 110               | 43.0 | 6.7               | 5.2 | 6.7              | 5.2 | 7.2              | 5.2 | 7.4              | 5.3 | 7.6              | 5.5 | 8.1              | 5.4 | 8.6              | 5.4 |

kcal/h = kW x 860, Btu/h = kW x 3,412

## 2. CAPACITY TABLES

R410A Data G2

### 2-2a. Cooling capacity in combination with PUHY,PUY,PURY-P300,350YGM / PUHY,PURY-P400YGM

PEFY-P-VML-E,VMH-E

CA : Capacity(kW) SHC : Sensible Heat Capacity(kW)

| Model size<br>(Rated kW) | Outdoor air temp. |      | Indoor air temp.  |                 |                 |                 |                 |                 |                 |      |                 |      |                 |      |                 |      |
|--------------------------|-------------------|------|-------------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|------|-----------------|------|-----------------|------|-----------------|------|
|                          |                   |      | 71 °FDB / 59°FWB  |                 | 73°FDB / 61°FWB |                 | 77°FDB / 64°FWB |                 | 81°FDB / 66°FWB |      | 82°FDB / 68°FWB |      | 86°FDB / 72°FWB |      | 90°FDB / 75°FWB |      |
|                          | °FDB              | °CDB | 21.5°CDB / 15°CWB | 23°CDB / 16°CWB | 25°CDB / 18°CWB | 27°CDB / 19°CWB | 28°CDB / 20°CWB | 30°CDB / 22°CWB | 32°CDB / 24°CWB |      |                 |      |                 |      |                 |      |
|                          |                   |      | CA                | SHC             | CA              | SHC             | CA              | SHC             | CA              | SHC  | CA              | SHC  | CA              | SHC  | CA              | SHC  |
| 80<br>(9.0)              | 68                | 20.0 | 8.7               | 6.4             | 9.0             | 6.6             | 9.7             | 6.6             | 10.1            | 6.7  | 10.4            | 7.0  | 11.0            | 6.9  | 11.7            | 6.8  |
|                          | 73                | 22.5 | 8.7               | 6.4             | 9.0             | 6.6             | 9.6             | 6.6             | 9.9             | 6.7  | 10.2            | 6.9  | 10.8            | 6.8  | 11.5            | 6.7  |
|                          | 77                | 25.0 | 8.6               | 6.4             | 8.8             | 6.5             | 9.4             | 6.5             | 9.7             | 6.6  | 10.0            | 6.8  | 10.6            | 6.7  | 11.3            | 6.6  |
|                          | 82                | 27.5 | 8.4               | 6.3             | 8.6             | 6.4             | 9.2             | 6.4             | 9.5             | 6.5  | 9.8             | 6.7  | 10.4            | 6.7  | 11.0            | 6.5  |
|                          | 86                | 30.0 | 8.3               | 6.2             | 8.5             | 6.3             | 9.0             | 6.3             | 9.4             | 6.4  | 9.6             | 6.7  | 10.3            | 6.6  | 10.8            | 6.5  |
|                          | 91                | 32.5 | 8.1               | 6.1             | 8.3             | 6.3             | 8.9             | 6.2             | 9.2             | 6.3  | 9.5             | 6.6  | 10.0            | 6.5  | 10.6            | 6.4  |
|                          | 95                | 35.0 | 8.0               | 6.1             | 8.1             | 6.2             | 8.6             | 6.1             | 9.0             | 6.3  | 9.3             | 6.5  | 9.8             | 6.4  | 10.4            | 6.3  |
|                          | 100               | 37.5 | 7.9               | 6.0             | 8.0             | 6.1             | 8.5             | 6.1             | 8.8             | 6.2  | 9.1             | 6.4  | 9.6             | 6.3  | 10.2            | 6.2  |
|                          | 104               | 40.0 | 7.8               | 6.0             | 7.8             | 6.0             | 8.3             | 6.0             | 8.6             | 6.1  | 9.8             | 6.7  | 9.4             | 6.3  | 9.9             | 6.2  |
| 110                      | 43.0              | 7.6  | 5.8               | 7.6             | 5.9             | 8.1             | 5.9             | 8.4             | 6.0             | 8.6  | 6.2             | 9.1  | 6.2             | 9.7  | 6.1             |      |
| 100<br>(11.2)            | 68                | 20.0 | 10.9              | 8.6             | 11.3            | 8.9             | 12.1            | 8.9             | 12.5            | 9.1  | 12.9            | 9.5  | 13.7            | 9.3  | 14.6            | 9.2  |
|                          | 73                | 22.5 | 10.8              | 8.6             | 11.2            | 8.9             | 11.9            | 8.8             | 12.3            | 9.0  | 12.7            | 9.4  | 13.5            | 9.3  | 14.3            | 9.1  |
|                          | 77                | 25.0 | 10.7              | 8.5             | 11.0            | 8.8             | 11.7            | 8.7             | 12.1            | 8.9  | 12.5            | 9.3  | 13.2            | 9.2  | 14.0            | 9.0  |
|                          | 82                | 27.5 | 10.5              | 8.4             | 10.8            | 8.7             | 11.5            | 8.6             | 11.9            | 8.8  | 12.2            | 9.2  | 13.0            | 9.1  | 13.7            | 8.9  |
|                          | 86                | 30.0 | 10.3              | 8.4             | 10.5            | 8.6             | 11.3            | 8.6             | 11.6            | 8.7  | 12.0            | 9.1  | 12.8            | 9.0  | 13.4            | 8.8  |
|                          | 91                | 32.5 | 10.1              | 8.3             | 10.4            | 8.5             | 11.0            | 8.5             | 11.4            | 8.7  | 11.8            | 9.0  | 12.4            | 8.9  | 13.2            | 8.8  |
|                          | 95                | 35.0 | 10.0              | 8.2             | 10.1            | 8.4             | 10.8            | 8.3             | 11.2            | 8.6  | 11.5            | 8.9  | 12.2            | 8.8  | 12.9            | 8.7  |
|                          | 100               | 37.5 | 9.9               | 8.2             | 9.9             | 8.3             | 10.6            | 8.3             | 10.9            | 8.5  | 11.3            | 8.8  | 12.0            | 8.7  | 12.7            | 8.6  |
|                          | 104               | 40.0 | 9.7               | 8.1             | 9.7             | 8.2             | 10.4            | 8.2             | 10.7            | 8.4  | 12.2            | 9.2  | 11.7            | 8.6  | 12.4            | 8.5  |
| 110                      | 43.0              | 9.4  | 7.9               | 9.4             | 8.1             | 10.1            | 8.1             | 10.4            | 8.3             | 10.7 | 8.6             | 11.4 | 8.5             | 12.0 | 8.4             |      |
| 125<br>(14.0)            | 68                | 20.0 | 13.6              | 10.0            | 14.1            | 10.3            | 15.1            | 10.3            | 15.7            | 10.4 | 16.2            | 10.8 | 17.2            | 10.7 | 18.2            | 10.5 |
|                          | 73                | 22.5 | 13.5              | 9.9             | 14.0            | 10.2            | 14.9            | 10.2            | 15.4            | 10.3 | 15.9            | 10.7 | 16.8            | 10.6 | 17.9            | 10.4 |
|                          | 77                | 25.0 | 13.4              | 9.9             | 13.7            | 10.1            | 14.6            | 10.0            | 15.1            | 10.2 | 15.6            | 10.6 | 16.5            | 10.4 | 17.5            | 10.3 |
|                          | 82                | 27.5 | 13.1              | 9.7             | 13.4            | 10.0            | 14.4            | 9.9             | 14.8            | 10.1 | 15.3            | 10.5 | 16.2            | 10.3 | 17.2            | 10.1 |
|                          | 86                | 30.0 | 12.9              | 9.6             | 13.2            | 9.8             | 14.1            | 9.8             | 14.6            | 10.0 | 15.0            | 10.3 | 16.0            | 10.2 | 16.8            | 10.0 |
|                          | 91                | 32.5 | 12.7              | 9.5             | 13.0            | 9.7             | 13.8            | 9.7             | 14.3            | 9.8  | 14.7            | 10.2 | 15.5            | 10.1 | 16.5            | 9.9  |
|                          | 95                | 35.0 | 12.5              | 9.4             | 12.7            | 9.6             | 13.4            | 9.5             | 14.0            | 9.7  | 14.4            | 10.1 | 15.3            | 9.9  | 16.2            | 9.8  |
|                          | 100               | 37.5 | 12.3              | 9.3             | 12.4            | 9.5             | 13.2            | 9.4             | 13.7            | 9.6  | 14.1            | 10.0 | 15.0            | 9.8  | 15.8            | 9.7  |
|                          | 104               | 40.0 | 12.1              | 9.2             | 12.1            | 9.3             | 13.0            | 9.3             | 13.4            | 9.5  | 15.2            | 10.4 | 14.6            | 9.7  | 15.5            | 9.5  |
| 110                      | 43.0              | 11.8 | 9.1               | 11.8            | 9.2             | 12.6            | 9.1             | 13.0            | 9.3             | 13.4 | 9.7             | 14.2 | 9.5             | 15.1 | 9.4             |      |
| 140<br>(16.0)            | 68                | 20.0 | 15.5              | 11.4            | 16.1            | 11.8            | 17.3            | 11.7            | 17.9            | 11.9 | 18.5            | 12.4 | 19.6            | 12.2 | 20.8            | 12.0 |
|                          | 73                | 22.5 | 15.4              | 11.4            | 16.0            | 11.7            | 17.0            | 11.6            | 17.6            | 11.8 | 18.2            | 12.2 | 19.2            | 12.1 | 20.4            | 11.9 |
|                          | 77                | 25.0 | 15.3              | 11.3            | 15.7            | 11.6            | 16.7            | 11.5            | 17.3            | 11.7 | 17.8            | 12.1 | 18.9            | 11.9 | 20.0            | 11.7 |
|                          | 82                | 27.5 | 15.0              | 11.1            | 15.4            | 11.4            | 16.4            | 11.3            | 17.0            | 11.5 | 17.5            | 12.0 | 18.5            | 11.8 | 19.6            | 11.6 |
|                          | 86                | 30.0 | 14.7              | 11.0            | 15.0            | 11.2            | 16.1            | 11.2            | 16.6            | 11.4 | 17.1            | 11.8 | 18.2            | 11.7 | 19.2            | 11.4 |
|                          | 91                | 32.5 | 14.5              | 10.9            | 14.8            | 11.1            | 15.8            | 11.0            | 16.3            | 11.2 | 16.8            | 11.7 | 17.8            | 11.5 | 18.8            | 11.3 |
|                          | 95                | 35.0 | 14.2              | 10.8            | 14.5            | 11.0            | 15.4            | 10.9            | 16.0            | 11.1 | 16.5            | 11.5 | 17.4            | 11.4 | 18.5            | 11.2 |
|                          | 100               | 37.5 | 14.1              | 10.7            | 14.2            | 10.8            | 15.1            | 10.8            | 15.6            | 10.9 | 16.2            | 11.4 | 17.1            | 11.2 | 18.1            | 11.1 |
|                          | 104               | 40.0 | 13.8              | 10.6            | 13.8            | 10.7            | 14.8            | 10.6            | 15.3            | 10.8 | 17.4            | 11.9 | 16.7            | 11.1 | 17.7            | 10.9 |
| 110                      | 43.0              | 13.4 | 10.4              | 13.4            | 10.5            | 14.4            | 10.4            | 14.9            | 10.6            | 15.3 | 11.0            | 16.2 | 10.9            | 17.2 | 10.7            |      |
| 200<br>(22.4)            | 68                | 20.0 | 21.7              | 16.3            | 22.5            | 16.8            | 24.2            | 16.8            | 25.1            | 17.1 | 25.9            | 17.8 | 27.4            | 17.5 | 29.1            | 17.3 |
|                          | 73                | 22.5 | 21.6              | 16.3            | 22.4            | 16.8            | 23.9            | 16.7            | 24.6            | 16.9 | 25.4            | 17.6 | 26.9            | 17.3 | 28.6            | 17.1 |
|                          | 77                | 25.0 | 21.4              | 16.1            | 22.0            | 16.6            | 23.4            | 16.5            | 24.2            | 16.7 | 24.9            | 17.4 | 26.4            | 17.1 | 28.0            | 16.9 |
|                          | 82                | 27.5 | 20.9              | 15.9            | 21.5            | 16.4            | 23.0            | 16.3            | 23.7            | 16.6 | 24.5            | 17.2 | 25.9            | 17.0 | 27.4            | 16.7 |
|                          | 86                | 30.0 | 20.6              | 15.8            | 21.1            | 16.2            | 22.5            | 16.1            | 23.3            | 16.4 | 24.0            | 17.0 | 25.5            | 16.8 | 26.9            | 16.5 |
|                          | 91                | 32.5 | 20.3              | 15.6            | 20.7            | 16.0            | 22.1            | 15.9            | 22.8            | 16.2 | 23.5            | 16.8 | 24.9            | 16.5 | 26.4            | 16.3 |
|                          | 95                | 35.0 | 19.9              | 15.4            | 20.3            | 15.8            | 21.5            | 15.6            | 22.4            | 16.0 | 23.1            | 16.6 | 24.4            | 16.4 | 25.9            | 16.1 |
|                          | 100               | 37.5 | 19.7              | 15.3            | 19.8            | 15.6            | 21.2            | 15.5            | 21.8            | 15.8 | 22.6            | 16.4 | 24.0            | 16.2 | 25.4            | 16.0 |
|                          | 104               | 40.0 | 19.4              | 15.2            | 19.4            | 15.4            | 20.7            | 15.3            | 21.4            | 15.6 | 24.3            | 17.1 | 23.4            | 16.0 | 24.8            | 15.7 |
| 110                      | 43.0              | 18.8 | 14.9              | 18.8            | 15.1            | 20.2            | 15.0            | 20.8            | 15.4            | 21.4 | 15.9            | 22.7 | 15.8            | 24.1 | 15.5            |      |
| 250<br>(28.0)            | 68                | 20.0 | 27.2              | 20.3            | 28.1            | 20.9            | 30.2            | 20.9            | 31.4            | 21.3 | 32.3            | 22.1 | 34.3            | 21.8 | 36.4            | 21.5 |
|                          | 73                | 22.5 | 27.0              | 20.2            | 28.0            | 20.9            | 29.8            | 20.7            | 30.8            | 21.0 | 31.8            | 21.9 | 33.7            | 21.5 | 35.7            | 21.2 |
|                          | 77                | 25.0 | 26.7              | 20.1            | 27.4            | 20.6            | 29.3            | 20.5            | 30.2            | 20.8 | 31.2            | 21.6 | 33.0            | 21.3 | 35.0            | 21.0 |
|                          | 82                | 27.5 | 26.2              | 19.8            | 26.9            | 20.3            | 28.7            | 20.2            | 29.7            | 20.6 | 30.6            | 21.4 | 32.4            | 21.1 | 34.3            | 20.7 |
|                          | 86                | 30.0 | 25.8              | 19.6            | 26.3            | 20.1            | 28.1            | 20.0            | 29.1            | 20.3 | 30.0            | 21.1 | 31.9            | 20.9 | 33.6            | 20.5 |
|                          | 91                | 32.5 | 25.3              | 19.4            | 25.9            | 19.9            | 27.6            | 19.7            | 28.6            | 20.1 | 29.4            | 20.9 | 31.1            | 20.6 | 33.0            | 20.3 |
|                          | 95                | 35.0 | 24.9              | 19.2            | 25.3            | 19.6            | 26.9            | 19.4            | 28.0            | 19.9 | 28.8            | 20.6 | 30.5            | 20.3 | 32.3            | 20.0 |
|                          | 100               | 37.5 | 24.6              | 19.1            | 24.8            | 19.4            | 26.5            | 19.2            | 27.3            | 19.6 | 28.3            | 20.4 | 30.0            | 20.1 | 31.7            | 19.8 |
|                          | 104               | 40.0 | 24.2              | 18.8            | 24.2            | 19.1            | 25.9            | 19.0            | 26.7            | 19.3 | 30.4            | 21.3 | 29.3            | 19.9 | 30.9            | 19.5 |
| 110                      | 43.0              | 23.5 | 18.5              | 23.5            | 18.8            | 25.2            | 18.7            | 26.0            | 19.1            | 26.7 | 19.8            | 28.4 | 19.6            | 30.1 | 19.3            |      |

kcal/h = kW x 860, Btu/h = kW x 3,412

## 2. CAPACITY TABLES

R410A Data G2

### 2-2b. Heating capacity in combination with PUHY,PURY-P300,350,400YGM

PEFY-P-VML-E,VMH-E

SHC : Sensible Heat Capacity(kW)

| Model size<br>(Rated kW) | Outdoor air temp. |       | Indoor air temp.    |                     |                     |                     |
|--------------------------|-------------------|-------|---------------------|---------------------|---------------------|---------------------|
|                          |                   |       | 59 °FDB<br>15.0°CDB | 68 °FDB<br>20.0°CDB | 77 °FDB<br>25.0°CDB | 81 °FDB<br>27.0°CDB |
|                          | °FWB              | °CWB  | SHC                 | SHC                 | SHC                 | SHC                 |
| 20<br>(2.2)              | -4                | -20.0 | 1.3                 | 1.3                 | 1.3                 | 1.2                 |
|                          | 5                 | -15.0 | 1.5                 | 1.5                 | 1.5                 | 1.5                 |
|                          | 14                | -10.0 | 1.8                 | 1.8                 | 1.7                 | 1.6                 |
|                          | 23                | -5.0  | 2.0                 | 2.0                 | 1.9                 | 1.6                 |
|                          | 32                | 0.0   | 2.3                 | 2.3                 | 1.9                 | 1.6                 |
|                          | 37                | 2.5   | 2.4                 | 2.4                 | 1.9                 | 1.6                 |
|                          | 43                | 6.0   | 2.6                 | 2.5                 | 1.9                 | 1.6                 |
|                          | 46                | 7.5   | 2.7                 | 2.5                 | 1.9                 | 1.6                 |
|                          | 50                | 10.0  | 2.8                 | 2.5                 | 1.9                 | 1.6                 |
|                          | 55                | 12.5  | 2.9                 | 2.5                 | 1.9                 | 1.6                 |
|                          | 60                | 15.5  | 2.9                 | 2.5                 | 1.9                 | 1.6                 |
| 25<br>(2.8)              | -4                | -20.0 | 1.7                 | 1.6                 | 1.6                 | 1.5                 |
|                          | 5                 | -15.0 | 1.9                 | 1.9                 | 1.9                 | 1.9                 |
|                          | 14                | -10.0 | 2.2                 | 2.2                 | 2.2                 | 2.0                 |
|                          | 23                | -5.0  | 2.6                 | 2.6                 | 2.4                 | 2.0                 |
|                          | 32                | 0.0   | 2.9                 | 2.9                 | 2.4                 | 2.0                 |
|                          | 37                | 2.5   | 3.1                 | 3.0                 | 2.4                 | 2.0                 |
|                          | 43                | 6.0   | 3.3                 | 3.2                 | 2.4                 | 2.0                 |
|                          | 46                | 7.5   | 3.4                 | 3.2                 | 2.4                 | 2.0                 |
|                          | 50                | 10.0  | 3.5                 | 3.2                 | 2.4                 | 2.0                 |
|                          | 55                | 12.5  | 3.7                 | 3.2                 | 2.4                 | 2.0                 |
|                          | 60                | 15.5  | 3.7                 | 3.2                 | 2.4                 | 2.0                 |
| 32<br>(3.6)              | -4                | -20.0 | 2.1                 | 2.0                 | 2.0                 | 1.9                 |
|                          | 5                 | -15.0 | 2.4                 | 2.4                 | 2.4                 | 2.3                 |
|                          | 14                | -10.0 | 2.8                 | 2.8                 | 2.7                 | 2.6                 |
|                          | 23                | -5.0  | 3.2                 | 3.2                 | 3.0                 | 2.6                 |
|                          | 32                | 0.0   | 3.6                 | 3.6                 | 3.0                 | 2.6                 |
|                          | 37                | 2.5   | 3.8                 | 3.8                 | 3.0                 | 2.6                 |
|                          | 43                | 6.0   | 4.1                 | 4.0                 | 3.0                 | 2.6                 |
|                          | 46                | 7.5   | 4.2                 | 4.0                 | 3.0                 | 2.6                 |
|                          | 50                | 10.0  | 4.4                 | 4.0                 | 3.0                 | 2.6                 |
|                          | 55                | 12.5  | 4.6                 | 4.0                 | 3.0                 | 2.6                 |
|                          | 60                | 15.5  | 4.6                 | 4.0                 | 3.0                 | 2.6                 |
| 40<br>(4.5)              | -4                | -20.0 | 2.6                 | 2.5                 | 2.5                 | 2.4                 |
|                          | 5                 | -15.0 | 3.0                 | 3.0                 | 3.0                 | 2.9                 |
|                          | 14                | -10.0 | 3.5                 | 3.5                 | 3.4                 | 3.2                 |
|                          | 23                | -5.0  | 4.0                 | 4.0                 | 3.8                 | 3.2                 |
|                          | 32                | 0.0   | 4.5                 | 4.5                 | 3.8                 | 3.2                 |
|                          | 37                | 2.5   | 4.8                 | 4.7                 | 3.8                 | 3.2                 |
|                          | 43                | 6.0   | 5.1                 | 5.0                 | 3.8                 | 3.2                 |
|                          | 46                | 7.5   | 5.3                 | 5.0                 | 3.8                 | 3.2                 |
|                          | 50                | 10.0  | 5.5                 | 5.0                 | 3.8                 | 3.2                 |
|                          | 55                | 12.5  | 5.8                 | 5.0                 | 3.8                 | 3.2                 |
|                          | 60                | 15.5  | 5.8                 | 5.0                 | 3.8                 | 3.2                 |
| 50<br>(5.6)              | -4                | -20.0 | 3.3                 | 3.2                 | 3.2                 | 3.0                 |
|                          | 5                 | -15.0 | 3.8                 | 3.8                 | 3.8                 | 3.7                 |
|                          | 14                | -10.0 | 4.4                 | 4.4                 | 4.3                 | 4.0                 |
|                          | 23                | -5.0  | 5.0                 | 5.0                 | 4.7                 | 4.0                 |
|                          | 32                | 0.0   | 5.7                 | 5.7                 | 4.7                 | 4.0                 |
|                          | 37                | 2.5   | 6.0                 | 6.0                 | 4.7                 | 4.0                 |
|                          | 43                | 6.0   | 6.5                 | 6.3                 | 4.7                 | 4.0                 |
|                          | 46                | 7.5   | 6.7                 | 6.3                 | 4.7                 | 4.0                 |
|                          | 50                | 10.0  | 7.0                 | 6.3                 | 4.7                 | 4.0                 |
|                          | 55                | 12.5  | 7.2                 | 6.3                 | 4.7                 | 4.0                 |
|                          | 60                | 15.5  | 7.2                 | 6.3                 | 4.7                 | 4.0                 |
| 63<br>(7.1)              | -4                | -20.0 | 4.2                 | 4.0                 | 4.0                 | 3.8                 |
|                          | 5                 | -15.0 | 4.8                 | 4.8                 | 4.8                 | 4.6                 |
|                          | 14                | -10.0 | 5.6                 | 5.6                 | 5.5                 | 5.1                 |
|                          | 23                | -5.0  | 6.4                 | 6.4                 | 6.0                 | 5.1                 |
|                          | 32                | 0.0   | 7.2                 | 7.2                 | 6.0                 | 5.1                 |
|                          | 37                | 2.5   | 7.6                 | 7.6                 | 6.0                 | 5.1                 |
|                          | 43                | 6.0   | 8.2                 | 8.0                 | 6.0                 | 5.1                 |
|                          | 46                | 7.5   | 8.5                 | 8.0                 | 6.0                 | 5.1                 |
|                          | 50                | 10.0  | 8.8                 | 8.0                 | 6.0                 | 5.1                 |
|                          | 55                | 12.5  | 9.2                 | 8.0                 | 6.0                 | 5.1                 |
|                          | 60                | 15.5  | 9.2                 | 8.0                 | 6.0                 | 5.1                 |
| 71<br>(8.0)              | -4                | -20.0 | 4.7                 | 4.5                 | 4.5                 | 4.3                 |
|                          | 5                 | -15.0 | 5.4                 | 5.4                 | 5.4                 | 5.2                 |
|                          | 14                | -10.0 | 6.3                 | 6.3                 | 6.2                 | 5.8                 |
|                          | 23                | -5.0  | 7.2                 | 7.2                 | 6.8                 | 5.8                 |
|                          | 32                | 0.0   | 8.1                 | 8.1                 | 6.8                 | 5.8                 |
|                          | 37                | 2.5   | 8.6                 | 8.5                 | 6.8                 | 5.8                 |
|                          | 43                | 6.0   | 9.2                 | 9.0                 | 6.8                 | 5.8                 |
|                          | 46                | 7.5   | 9.5                 | 9.0                 | 6.8                 | 5.8                 |
|                          | 50                | 10.0  | 9.9                 | 9.0                 | 6.8                 | 5.8                 |
|                          | 55                | 12.5  | 10.4                | 9.0                 | 6.8                 | 5.8                 |
|                          | 60                | 15.5  | 10.4                | 9.0                 | 6.8                 | 5.8                 |

| Model size<br>(Rated kW) | Outdoor air temp. |       | Indoor air temp.    |                     |                     |                     |
|--------------------------|-------------------|-------|---------------------|---------------------|---------------------|---------------------|
|                          |                   |       | 59 °FDB<br>15.0°CDB | 68 °FDB<br>20.0°CDB | 77 °FDB<br>25.0°CDB | 81 °FDB<br>27.0°CDB |
|                          | °FWB              | °CWB  | SHC                 | SHC                 | SHC                 | SHC                 |
| 80<br>(9.0)              | -4                | -20.0 | 5.2                 | 5.0                 | 5.0                 | 4.8                 |
|                          | 5                 | -15.0 | 6.0                 | 6.0                 | 6.0                 | 5.8                 |
|                          | 14                | -10.0 | 7.0                 | 7.0                 | 6.9                 | 6.4                 |
|                          | 23                | -5.0  | 8.0                 | 8.0                 | 7.5                 | 6.4                 |
|                          | 32                | 0.0   | 9.0                 | 9.0                 | 7.5                 | 6.4                 |
|                          | 37                | 2.5   | 9.6                 | 9.5                 | 7.5                 | 6.4                 |
|                          | 43                | 6.0   | 10.3                | 10.0                | 7.5                 | 6.4                 |
|                          | 46                | 7.5   | 10.6                | 10.0                | 7.5                 | 6.4                 |
|                          | 50                | 10.0  | 11.1                | 10.0                | 7.5                 | 6.4                 |
|                          | 55                | 12.5  | 11.5                | 10.0                | 7.5                 | 6.4                 |
|                          | 60                | 15.5  | 11.5                | 10.0                | 7.5                 | 6.4                 |
| 100<br>(11.2)            | -4                | -20.0 | 6.5                 | 6.3                 | 6.3                 | 6.0                 |
|                          | 5                 | -15.0 | 7.5                 | 7.5                 | 7.5                 | 7.3                 |
|                          | 14                | -10.0 | 8.8                 | 8.8                 | 8.6                 | 8.0                 |
|                          | 23                | -5.0  | 10.0                | 10.0                | 9.4                 | 8.0                 |
|                          | 32                | 0.0   | 11.3                | 11.3                | 9.4                 | 8.0                 |
|                          | 37                | 2.5   | 11.9                | 11.8                | 9.4                 | 8.0                 |
|                          | 43                | 6.0   | 12.8                | 12.5                | 9.4                 | 8.0                 |
|                          | 46                | 7.5   | 13.3                | 12.5                | 9.4                 | 8.0                 |
|                          | 50                | 10.0  | 13.8                | 12.5                | 9.4                 | 8.0                 |
|                          | 55                | 12.5  | 14.4                | 12.5                | 9.4                 | 8.0                 |
|                          | 60                | 15.5  | 14.4                | 12.5                | 9.4                 | 8.0                 |
| 125<br>(14.0)            | -4                | -20.0 | 8.3                 | 8.0                 | 8.0                 | 7.7                 |
|                          | 5                 | -15.0 | 9.6                 | 9.6                 | 9.6                 | 9.3                 |
|                          | 14                | -10.0 | 11.2                | 11.2                | 11.0                | 10.2                |
|                          | 23                | -5.0  | 12.8                | 12.8                | 12.0                | 10.2                |
|                          | 32                | 0.0   | 14.4                | 14.4                | 12.0                | 10.2                |
|                          | 37                | 2.5   | 15.3                | 15.1                | 12.0                | 10.2                |
|                          | 43                | 6.0   | 16.4                | 16.0                | 12.0                | 10.2                |
|                          | 46                | 7.5   | 17.0                | 16.0                | 12.0                | 10.2                |
|                          | 50                | 10.0  | 17.7                | 16.0                | 12.0                | 10.2                |
|                          | 55                | 12.5  | 18.4                | 16.0                | 12.0                | 10.2                |
|                          | 60                | 15.5  | 18.4                | 16.0                | 12.0                | 10.2                |
| 140<br>(16.0)            | -4                | -20.0 | 9.4                 | 9.0                 | 9.0                 | 8.6                 |
|                          | 5                 | -15.0 | 10.8                | 10.8                | 10.8                | 10.4                |
|                          | 14                | -10.0 | 12.6                | 12.6                | 12.3                | 11.5                |
|                          | 23                | -5.0  | 14.4                | 14.4                | 13.5                | 11.5                |
|                          | 32                | 0.0   | 16.2                | 16.2                | 13.5                | 11.5                |
|                          | 37                | 2.5   | 17.2                | 17.0                | 13.5                | 11.5                |
|                          | 43                | 6.0   | 18.5                | 18.0                | 13.5                | 11.5                |
|                          | 46                | 7.5   | 19.1                | 18.0                | 13.5                | 11.5                |
|                          | 50                | 10.0  | 19.9                | 18.0                | 13.5                | 11.5                |
|                          | 55                | 12.5  | 20.7                | 18.0                | 13.5                | 11.5                |
|                          | 60                | 15.5  | 20.7                | 18.0                | 13.5                | 11.5                |
| 200<br>(22.4)            | -4                | -20.0 | 13.0                | 12.5                | 12.5                | 12.0                |
|                          | 5                 | -15.0 | 15.0                | 15.0                | 15.0                | 14.5                |
|                          | 14                | -10.0 | 17.5                | 17.5                | 17.1                | 16.0                |
|                          | 23                | -5.0  | 20.0                | 20.0                | 18.8                | 16.0                |
|                          | 32                | 0.0   | 22.5                | 22.5                | 18.8                | 16.0                |
|                          | 37                | 2.5   | 23.9                | 23.6                | 18.8                | 16.0                |
|                          | 43                | 6.0   | 25.6                | 25.0                | 18.8                | 16.0                |
|                          | 46                | 7.5   | 26.5                | 25.0                | 18.8                | 16.0                |
|                          | 50                | 10.0  | 27.6                | 25.0                | 18.8                | 16.0                |
|                          | 55                | 12.5  | 28.8                | 25.0                | 18.8                | 16.0                |
|                          | 60                | 15.5  | 28.8                | 25.0                | 18.8                | 16.0                |
| 250<br>(28.0)            | -4                | -20.0 | 16.4                | 15.8                | 15.8                | 15.1                |
|                          | 5                 | -15.0 | 18.9                | 18.9                | 18.9                | 18.3                |
|                          | 14                | -10.0 | 22.1                | 22.1                | 21.6                | 20.2                |
|                          | 23                | -5.0  | 25.2                | 25.2                | 23.6                | 20.2                |
|                          | 32                | 0.0   | 28.4                | 28.4                | 23.6                | 20.2                |
|                          | 37                | 2.5   | 30.1                | 29.8                | 23.6                | 20.2                |
|                          | 43                | 6.0   | 32.3                | 31.5                | 23.6                | 20.2                |
|                          | 46                | 7.5   | 33.4                | 31.5                | 23.6                | 20.2                |
|                          | 50                | 10.0  | 34.8                | 31.5                | 23.6                | 20.2                |
|                          | 55                | 12.5  | 36.2                | 31.5                | 23.6                | 20.2                |
|                          | 60                | 15.5  | 36.2                | 31.5                | 23.6                | 20.2                |

kcal/h = kW x 860, Btu/h = kW x 3,412

## 2. CAPACITY TABLES

R410A Data G2

### 2-3a. Cooling capacity in combination with PUHY,PURY-P450,500,550,600,650YGM

PEFY-P-VML-E,VMH-E

CA : Capacity(kW) SHC : Sensible Heat Capacity(kW)

| Model size<br>(Rated kW) | Outdoor air temp. |      | Indoor air temp.  |     |                 |     |                 |     |                 |     |                 |     |                 |     |                 |     |
|--------------------------|-------------------|------|-------------------|-----|-----------------|-----|-----------------|-----|-----------------|-----|-----------------|-----|-----------------|-----|-----------------|-----|
|                          |                   |      | 71 °FDB / 59°FWB  |     | 73°FDB / 61°FWB |     | 77°FDB / 64°FWB |     | 81°FDB / 66°FWB |     | 82°FDB / 68°FWB |     | 86°FDB / 72°FWB |     | 90°FDB / 75°FWB |     |
|                          |                   |      | 21.5°CDB / 15°CWB |     | 23°CDB / 16°CWB |     | 25°CDB / 18°CWB |     | 27°CDB / 19°CWB |     | 28°CDB / 20°CWB |     | 30°CDB / 22°CWB |     | 32°CDB / 24°CWB |     |
|                          | °FDB              | °CDB | CA                | SHC | CA              | SHC | CA              | SHC | CA              | SHC | CA              | SHC | CA              | SHC | CA              | SHC |
| 20<br>(2.2)              | 68                | 20.0 | 2.1               | 1.8 | 2.1             | 1.9 | 2.3             | 1.9 | 2.4             | 1.9 | 2.5             | 2.0 | 2.6             | 2.0 | 2.8             | 1.9 |
|                          | 73                | 22.5 | 2.1               | 1.8 | 2.1             | 1.9 | 2.3             | 1.8 | 2.3             | 1.9 | 2.4             | 2.0 | 2.6             | 2.0 | 2.7             | 1.9 |
|                          | 77                | 25.0 | 2.0               | 1.8 | 2.1             | 1.8 | 2.2             | 1.8 | 2.3             | 1.9 | 2.4             | 2.0 | 2.6             | 1.9 | 2.7             | 1.9 |
|                          | 82                | 27.5 | 2.0               | 1.8 | 2.1             | 1.8 | 2.2             | 1.8 | 2.3             | 1.9 | 2.4             | 2.0 | 2.5             | 1.9 | 2.6             | 1.9 |
|                          | 86                | 30.0 | 2.0               | 1.8 | 2.0             | 1.8 | 2.2             | 1.8 | 2.3             | 1.9 | 2.4             | 1.9 | 2.5             | 1.9 | 2.7             | 1.9 |
|                          | 91                | 32.5 | 2.0               | 1.8 | 2.0             | 1.8 | 2.2             | 1.8 | 2.2             | 1.8 | 2.3             | 1.9 | 2.5             | 1.9 | 2.6             | 1.9 |
|                          | 95                | 35.0 | 2.0               | 1.7 | 2.0             | 1.8 | 2.1             | 1.8 | 2.2             | 1.8 | 2.3             | 1.9 | 2.5             | 1.9 | 2.6             | 1.9 |
|                          | 100               | 37.5 | 1.9               | 1.7 | 2.0             | 1.8 | 2.1             | 1.8 | 2.2             | 1.8 | 2.3             | 1.9 | 2.4             | 1.9 | 2.6             | 1.9 |
|                          | 104               | 40.0 | 1.9               | 1.7 | 1.9             | 1.8 | 2.1             | 1.8 | 2.1             | 1.8 | 2.2             | 1.9 | 2.4             | 1.9 | 2.6             | 1.9 |
| 110                      | 43.0              | 1.9  | 1.7               | 1.9 | 1.8             | 2.1 | 1.8             | 2.1 | 1.8             | 2.2 | 1.9             | 2.4 | 1.9             | 2.6 | 1.9             |     |
| 25<br>(2.8)              | 68                | 20.0 | 2.6               | 2.1 | 2.7             | 2.2 | 2.9             | 2.2 | 3.0             | 2.2 | 3.1             | 2.3 | 3.3             | 2.3 | 3.5             | 2.3 |
|                          | 73                | 22.5 | 2.6               | 2.1 | 2.7             | 2.2 | 2.9             | 2.2 | 3.0             | 2.2 | 3.1             | 2.3 | 3.3             | 2.3 | 3.5             | 2.2 |
|                          | 77                | 25.0 | 2.6               | 2.1 | 2.7             | 2.2 | 2.9             | 2.2 | 2.9             | 2.2 | 3.1             | 2.3 | 3.2             | 2.3 | 3.5             | 2.2 |
|                          | 82                | 27.5 | 2.6               | 2.1 | 2.6             | 2.1 | 2.8             | 2.1 | 2.9             | 2.2 | 3.0             | 2.3 | 3.2             | 2.3 | 3.4             | 2.2 |
|                          | 86                | 30.0 | 2.5               | 2.1 | 2.6             | 2.1 | 2.8             | 2.1 | 2.9             | 2.2 | 3.0             | 2.3 | 3.2             | 2.2 | 3.4             | 2.2 |
|                          | 91                | 32.5 | 2.5               | 2.1 | 2.6             | 2.1 | 2.7             | 2.1 | 2.8             | 2.2 | 3.0             | 2.3 | 3.2             | 2.2 | 3.4             | 2.2 |
|                          | 95                | 35.0 | 2.5               | 2.1 | 2.5             | 2.1 | 2.7             | 2.1 | 2.8             | 2.1 | 2.9             | 2.2 | 3.1             | 2.2 | 3.3             | 2.2 |
|                          | 100               | 37.5 | 2.5               | 2.0 | 2.5             | 2.1 | 2.7             | 2.1 | 2.8             | 2.1 | 2.9             | 2.2 | 3.1             | 2.2 | 3.3             | 2.2 |
|                          | 104               | 40.0 | 2.4               | 2.0 | 2.5             | 2.1 | 2.7             | 2.1 | 2.7             | 2.1 | 2.9             | 2.2 | 3.1             | 2.2 | 3.3             | 2.2 |
| 110                      | 43.0              | 2.4  | 2.0               | 2.5 | 2.1             | 2.6 | 2.1             | 2.7 | 2.1             | 2.8 | 2.2             | 3.0 | 2.2             | 3.2 | 2.2             |     |
| 32<br>(3.6)              | 68                | 20.0 | 3.4               | 2.6 | 3.5             | 2.7 | 3.7             | 2.7 | 3.9             | 2.7 | 4.0             | 2.9 | 4.2             | 2.8 | 4.5             | 2.8 |
|                          | 73                | 22.5 | 3.4               | 2.6 | 3.5             | 2.7 | 3.7             | 2.7 | 3.8             | 2.7 | 4.0             | 2.8 | 4.2             | 2.8 | 4.5             | 2.8 |
|                          | 77                | 25.0 | 3.3               | 2.6 | 3.4             | 2.7 | 3.7             | 2.7 | 3.8             | 2.7 | 3.9             | 2.8 | 4.2             | 2.8 | 4.4             | 2.8 |
|                          | 82                | 27.5 | 3.3               | 2.6 | 3.4             | 2.7 | 3.6             | 2.7 | 3.7             | 2.7 | 3.9             | 2.8 | 4.1             | 2.8 | 4.3             | 2.7 |
|                          | 86                | 30.0 | 3.3               | 2.6 | 3.3             | 2.6 | 3.6             | 2.6 | 3.7             | 2.7 | 3.9             | 2.8 | 4.1             | 2.8 | 4.4             | 2.7 |
|                          | 91                | 32.5 | 3.2               | 2.6 | 3.3             | 2.6 | 3.5             | 2.6 | 3.6             | 2.7 | 3.8             | 2.8 | 4.1             | 2.8 | 4.3             | 2.7 |
|                          | 95                | 35.0 | 3.2               | 2.5 | 3.3             | 2.6 | 3.5             | 2.6 | 3.6             | 2.6 | 3.7             | 2.8 | 4.0             | 2.7 | 4.3             | 2.7 |
|                          | 100               | 37.5 | 3.2               | 2.5 | 3.2             | 2.6 | 3.5             | 2.6 | 3.5             | 2.6 | 3.7             | 2.8 | 4.0             | 2.7 | 4.2             | 2.7 |
|                          | 104               | 40.0 | 3.1               | 2.5 | 3.2             | 2.6 | 3.4             | 2.6 | 3.5             | 2.6 | 3.7             | 2.7 | 4.0             | 2.7 | 4.2             | 2.7 |
| 110                      | 43.0              | 3.1  | 2.5               | 3.2 | 2.6             | 3.4 | 2.5             | 3.5 | 2.6             | 3.6 | 2.7             | 3.9 | 2.7             | 4.2 | 2.7             |     |
| 40<br>(4.5)              | 68                | 20.0 | 4.3               | 3.2 | 4.4             | 3.3 | 4.7             | 3.3 | 4.8             | 3.4 | 5.0             | 3.5 | 5.3             | 3.5 | 5.7             | 3.4 |
|                          | 73                | 22.5 | 4.2               | 3.2 | 4.3             | 3.3 | 4.6             | 3.3 | 4.8             | 3.4 | 5.0             | 3.5 | 5.3             | 3.5 | 5.6             | 3.4 |
|                          | 77                | 25.0 | 4.2               | 3.2 | 4.3             | 3.3 | 4.6             | 3.3 | 4.7             | 3.3 | 4.9             | 3.5 | 5.2             | 3.4 | 5.6             | 3.4 |
|                          | 82                | 27.5 | 4.1               | 3.2 | 4.2             | 3.3 | 4.5             | 3.3 | 4.7             | 3.3 | 4.9             | 3.5 | 5.2             | 3.4 | 5.4             | 3.3 |
|                          | 86                | 30.0 | 4.1               | 3.2 | 4.2             | 3.2 | 4.5             | 3.2 | 4.6             | 3.3 | 4.8             | 3.4 | 5.1             | 3.4 | 5.4             | 3.4 |
|                          | 91                | 32.5 | 4.1               | 3.1 | 4.1             | 3.2 | 4.4             | 3.2 | 4.5             | 3.3 | 4.8             | 3.4 | 5.1             | 3.4 | 5.4             | 3.3 |
|                          | 95                | 35.0 | 4.0               | 3.1 | 4.1             | 3.2 | 4.4             | 3.2 | 4.5             | 3.2 | 4.7             | 3.4 | 5.0             | 3.4 | 5.4             | 3.3 |
|                          | 100               | 37.5 | 4.0               | 3.1 | 4.0             | 3.2 | 4.3             | 3.2 | 4.4             | 3.2 | 4.7             | 3.4 | 5.0             | 3.3 | 5.3             | 3.3 |
|                          | 104               | 40.0 | 3.9               | 3.1 | 4.0             | 3.2 | 4.3             | 3.2 | 4.4             | 3.2 | 4.6             | 3.3 | 5.0             | 3.3 | 5.3             | 3.3 |
| 110                      | 43.0              | 3.9  | 3.1               | 3.9 | 3.1             | 4.2 | 3.1             | 4.3 | 3.2             | 4.5 | 3.3             | 4.9 | 3.3             | 5.2 | 3.3             |     |
| 50<br>(5.6)              | 68                | 20.0 | 5.3               | 3.8 | 5.5             | 3.9 | 5.8             | 3.9 | 6.0             | 3.9 | 6.2             | 4.1 | 6.6             | 4.0 | 7.1             | 4.0 |
|                          | 73                | 22.5 | 5.3               | 3.8 | 5.4             | 3.9 | 5.8             | 3.9 | 5.9             | 3.9 | 6.2             | 4.1 | 6.6             | 4.0 | 7.0             | 4.0 |
|                          | 77                | 25.0 | 5.2               | 3.8 | 5.3             | 3.8 | 5.7             | 3.8 | 5.9             | 3.9 | 6.1             | 4.0 | 6.5             | 4.0 | 6.9             | 3.9 |
|                          | 82                | 27.5 | 5.2               | 3.7 | 5.3             | 3.8 | 5.7             | 3.8 | 5.8             | 3.8 | 6.0             | 4.0 | 6.4             | 4.0 | 6.7             | 3.9 |
|                          | 86                | 30.0 | 5.1               | 3.7 | 5.2             | 3.8 | 5.6             | 3.8 | 5.8             | 3.8 | 6.0             | 4.0 | 6.4             | 3.9 | 6.8             | 3.9 |
|                          | 91                | 32.5 | 5.0               | 3.7 | 5.2             | 3.8 | 5.5             | 3.7 | 5.7             | 3.8 | 5.9             | 4.0 | 6.3             | 3.9 | 6.7             | 3.9 |
|                          | 95                | 35.0 | 5.0               | 3.6 | 5.1             | 3.7 | 5.5             | 3.7 | 5.6             | 3.7 | 5.8             | 3.9 | 6.3             | 3.9 | 6.7             | 3.8 |
|                          | 100               | 37.5 | 4.9               | 3.6 | 5.0             | 3.7 | 5.4             | 3.7 | 5.5             | 3.7 | 5.8             | 3.9 | 6.2             | 3.9 | 6.6             | 3.8 |
|                          | 104               | 40.0 | 4.8               | 3.6 | 5.0             | 3.7 | 5.3             | 3.7 | 5.4             | 3.7 | 5.7             | 3.9 | 6.2             | 3.9 | 6.6             | 3.8 |
| 110                      | 43.0              | 4.8  | 3.6               | 4.9 | 3.6             | 5.3 | 3.6             | 5.4 | 3.7             | 5.7 | 3.8             | 6.0 | 3.8             | 6.5 | 3.8             |     |
| 63<br>(7.1)              | 68                | 20.0 | 6.7               | 5.0 | 6.9             | 5.1 | 7.4             | 5.1 | 7.6             | 5.2 | 7.9             | 5.4 | 8.4             | 5.3 | 8.9             | 5.3 |
|                          | 73                | 22.5 | 6.7               | 5.0 | 6.9             | 5.1 | 7.3             | 5.1 | 7.5             | 5.1 | 7.8             | 5.4 | 8.3             | 5.3 | 8.8             | 5.2 |
|                          | 77                | 25.0 | 6.6               | 4.9 | 6.8             | 5.1 | 7.2             | 5.0 | 7.5             | 5.1 | 7.7             | 5.3 | 8.2             | 5.3 | 8.8             | 5.2 |
|                          | 82                | 27.5 | 6.5               | 4.9 | 6.7             | 5.0 | 7.2             | 5.0 | 7.4             | 5.1 | 7.7             | 5.3 | 8.2             | 5.2 | 8.5             | 5.1 |
|                          | 86                | 30.0 | 6.5               | 4.9 | 6.6             | 5.0 | 7.1             | 5.0 | 7.3             | 5.1 | 7.6             | 5.3 | 8.1             | 5.2 | 8.6             | 5.1 |
|                          | 91                | 32.5 | 6.4               | 4.8 | 6.5             | 5.0 | 7.0             | 4.9 | 7.2             | 5.0 | 7.5             | 5.2 | 8.0             | 5.2 | 8.5             | 5.1 |
|                          | 95                | 35.0 | 6.3               | 4.8 | 6.4             | 4.9 | 6.9             | 4.9 | 7.1             | 5.0 | 7.4             | 5.2 | 8.0             | 5.2 | 8.4             | 5.1 |
|                          | 100               | 37.5 | 6.2               | 4.8 | 6.4             | 4.9 | 6.8             | 4.9 | 7.0             | 4.9 | 7.3             | 5.2 | 7.8             | 5.1 | 8.4             | 5.1 |
|                          | 104               | 40.0 | 6.1               | 4.7 | 6.3             | 4.8 | 6.8             | 4.8 | 6.9             | 4.9 | 7.2             | 5.1 | 7.8             | 5.1 | 8.3             | 5.0 |
| 110                      | 43.0              | 6.1  | 4.7               | 6.2 | 4.8             | 6.7 | 4.8             | 6.8 | 4.8             | 7.2 | 5.1             | 7.7 | 5.1             | 8.2 | 5.0             |     |
| 71<br>(8.0)              | 68                | 20.0 | 7.6               | 5.6 | 7.8             | 5.7 | 8.3             | 5.7 | 8.6             | 5.8 | 8.9             | 6.0 | 9.4             | 5.9 | 10.1            | 5.9 |
|                          | 73                | 22.5 | 7.5               | 5.6 | 7.7             | 5.7 | 8.2             | 5.7 | 8.5             | 5.7 | 8.8             | 6.0 | 9.4             | 5.9 | 10.0            | 5.8 |
|                          | 77                | 25.0 | 7.4               | 5.5 | 7.6             | 5.7 | 8.2             | 5.6 | 8.4             | 5.7 | 8.7             | 5.9 | 9.3             | 5.9 | 9.9             | 5.8 |
|                          | 82                | 27.5 | 7.4               | 5.5 | 7.5             | 5.6 | 8.1             | 5.6 | 8.3             | 5.7 | 8.6             | 5.9 | 9.2             | 5.9 | 9.6             | 5.7 |
|                          | 86                | 30.0 | 7.3               | 5.4 | 7.4             | 5.6 | 8.0             | 5.6 | 8.2             | 5.6 | 8.6             | 5.9 | 9.1             | 5.8 | 9.7             | 5.7 |
|                          | 91                | 32.5 | 7.2               | 5.4 | 7.4             | 5.5 | 7.8             | 5.5 | 8.1             | 5.6 | 8.5             | 5.8 | 9.0             | 5.8 | 9.6             | 5.7 |
|                          | 95                | 35.0 | 7.1               | 5.4 | 7.2             | 5.5 | 7.8             | 5.5 | 8.0             | 5.5 | 8.3             | 5.8 | 9.0             | 5.8 | 9.5             | 5.7 |
|                          | 100               | 37.5 | 7.0               | 5.3 | 7.2             | 5.4 | 7.7             | 5.4 | 7.9             | 5.5 | 8.3             | 5.8 | 8.8             | 5.7 | 9.4             | 5.6 |
|                          | 104               | 40.0 | 6.9               | 5.3 | 7.1             | 5.4 | 7.6             | 5.4 | 7.8             | 5.4 | 8.2             | 5.7 | 8.8             | 5.7 | 9.4             | 5.6 |
| 110                      | 43.0              | 6.9  | 5.2               | 7.0 | 5.4             | 7.5 | 5.3             | 7.7 | 5.4             | 8.1 | 5.7             | 8.6 | 5.6             | 9.3 | 5.6             |     |

kcal/h = kW x 860, Btu/h = kW x 3,412

## 2. CAPACITY TABLES

R410A Data G2

### 2-3a. Cooling capacity in combination with PUHY,PURY-P450,500,550,600,650YGM

PEFY-P-VML-E,VMH-E

CA : Capacity(kW) SHC : Sensible Heat Capacity(kW)

| Model size<br>(Rated kW) | Outdoor air temp. |      | Indoor air temp.  |      |                 |      |                 |      |                 |      |                 |      |                 |      |                 |      |
|--------------------------|-------------------|------|-------------------|------|-----------------|------|-----------------|------|-----------------|------|-----------------|------|-----------------|------|-----------------|------|
|                          |                   |      | 71°FDB / 59°FWB   |      | 73°FDB / 61°FWB |      | 77°FDB / 64°FWB |      | 81°FDB / 66°FWB |      | 82°FDB / 68°FWB |      | 86°FDB / 72°FWB |      | 90°FDB / 75°FWB |      |
|                          | °FDB              | °CDB | 21.5°CDB / 15°CWB |      | 23°CDB / 16°CWB |      | 25°CDB / 18°CWB |      | 27°CDB / 19°CWB |      | 28°CDB / 20°CWB |      | 30°CDB / 22°CWB |      | 32°CDB / 24°CWB |      |
| 80<br>(9.0)              | 68                | 20.0 | 8.5               | 6.3  | 8.8             | 6.5  | 9.4             | 6.5  | 9.6             | 6.5  | 10.0            | 6.8  | 10.6            | 6.7  | 11.3            | 6.7  |
|                          | 73                | 22.5 | 8.5               | 6.3  | 8.7             | 6.5  | 9.3             | 6.4  | 9.5             | 6.5  | 9.9             | 6.8  | 10.6            | 6.7  | 11.2            | 6.6  |
|                          | 77                | 25.0 | 8.4               | 6.2  | 8.6             | 6.4  | 9.2             | 6.4  | 9.5             | 6.5  | 9.8             | 6.7  | 10.4            | 6.7  | 11.1            | 6.6  |
|                          | 82                | 27.5 | 8.3               | 6.2  | 8.5             | 6.3  | 9.1             | 6.3  | 9.4             | 6.4  | 9.7             | 6.7  | 10.4            | 6.6  | 10.8            | 6.5  |
|                          | 86                | 30.0 | 8.2               | 6.2  | 8.4             | 6.3  | 9.0             | 6.3  | 9.3             | 6.4  | 9.6             | 6.7  | 10.3            | 6.6  | 10.9            | 6.5  |
|                          | 91                | 32.5 | 8.1               | 6.1  | 8.3             | 6.3  | 8.8             | 6.2  | 9.1             | 6.3  | 9.5             | 6.6  | 10.2            | 6.6  | 10.8            | 6.5  |
|                          | 95                | 35.0 | 8.0               | 6.1  | 8.1             | 6.2  | 8.8             | 6.2  | 9.0             | 6.3  | 9.4             | 6.5  | 10.1            | 6.5  | 10.7            | 6.4  |
|                          | 100               | 37.5 | 7.9               | 6.0  | 8.1             | 6.2  | 8.6             | 6.1  | 8.9             | 6.2  | 9.3             | 6.5  | 9.9             | 6.5  | 10.6            | 6.4  |
|                          | 104               | 40.0 | 7.8               | 6.0  | 8.0             | 6.1  | 8.6             | 6.1  | 8.7             | 6.2  | 9.2             | 6.5  | 9.9             | 6.4  | 10.5            | 6.4  |
|                          | 110               | 43.0 | 7.7               | 5.9  | 7.9             | 6.1  | 8.5             | 6.1  | 8.6             | 6.1  | 9.1             | 6.4  | 9.7             | 6.4  | 10.4            | 6.3  |
| 100<br>(11.2)            | 68                | 20.0 | 10.6              | 8.5  | 10.9            | 8.8  | 11.6            | 8.7  | 12.0            | 8.9  | 12.5            | 9.3  | 13.2            | 9.2  | 14.1            | 9.1  |
|                          | 73                | 22.5 | 10.5              | 8.5  | 10.8            | 8.7  | 11.5            | 8.7  | 11.9            | 8.8  | 12.3            | 9.2  | 13.2            | 9.1  | 13.9            | 9.0  |
|                          | 77                | 25.0 | 10.4              | 8.4  | 10.7            | 8.7  | 11.4            | 8.6  | 11.8            | 8.8  | 12.2            | 9.2  | 13.0            | 9.1  | 13.8            | 9.0  |
|                          | 82                | 27.5 | 10.3              | 8.4  | 10.5            | 8.6  | 11.3            | 8.6  | 11.6            | 8.7  | 12.1            | 9.1  | 12.9            | 9.0  | 13.4            | 8.8  |
|                          | 86                | 30.0 | 10.2              | 8.3  | 10.4            | 8.6  | 11.2            | 8.5  | 11.5            | 8.7  | 12.0            | 9.1  | 12.8            | 9.0  | 13.6            | 8.9  |
|                          | 91                | 32.5 | 10.1              | 8.3  | 10.3            | 8.5  | 11.0            | 8.4  | 11.3            | 8.6  | 11.9            | 9.0  | 12.7            | 9.0  | 13.4            | 8.8  |
|                          | 95                | 35.0 | 10.0              | 8.2  | 10.1            | 8.4  | 10.9            | 8.4  | 11.2            | 8.6  | 11.6            | 9.0  | 12.5            | 8.9  | 13.3            | 8.8  |
|                          | 100               | 37.5 | 9.9               | 8.2  | 10.0            | 8.4  | 10.8            | 8.3  | 11.0            | 8.5  | 11.6            | 8.9  | 12.4            | 8.9  | 13.2            | 8.8  |
|                          | 104               | 40.0 | 9.7               | 8.1  | 9.9             | 8.3  | 10.7            | 8.3  | 10.9            | 8.4  | 11.4            | 8.9  | 12.3            | 8.8  | 13.1            | 8.7  |
|                          | 110               | 43.0 | 9.6               | 8.1  | 9.8             | 8.3  | 10.5            | 8.2  | 10.8            | 8.4  | 11.3            | 8.8  | 12.1            | 8.8  | 13.0            | 8.7  |
| 125<br>(14.0)            | 68                | 20.0 | 13.2              | 9.8  | 13.7            | 10.1 | 14.6            | 10.0 | 15.0            | 10.1 | 15.6            | 10.6 | 16.5            | 10.4 | 17.6            | 10.3 |
|                          | 73                | 22.5 | 13.2              | 9.8  | 13.5            | 10.0 | 14.4            | 9.9  | 14.8            | 10.1 | 15.4            | 10.5 | 16.5            | 10.4 | 17.4            | 10.2 |
|                          | 77                | 25.0 | 13.0              | 9.7  | 13.4            | 9.9  | 14.3            | 9.9  | 14.7            | 10.0 | 15.3            | 10.4 | 16.2            | 10.3 | 17.3            | 10.2 |
|                          | 82                | 27.5 | 12.9              | 9.6  | 13.2            | 9.8  | 14.1            | 9.8  | 14.6            | 10.0 | 15.1            | 10.4 | 16.1            | 10.3 | 16.8            | 10.0 |
|                          | 86                | 30.0 | 12.7              | 9.5  | 13.0            | 9.8  | 14.0            | 9.8  | 14.4            | 9.9  | 15.0            | 10.3 | 16.0            | 10.2 | 16.9            | 10.1 |
|                          | 91                | 32.5 | 12.6              | 9.5  | 12.9            | 9.7  | 13.7            | 9.6  | 14.1            | 9.8  | 14.8            | 10.3 | 15.8            | 10.2 | 16.8            | 10.0 |
|                          | 95                | 35.0 | 12.5              | 9.4  | 12.7            | 9.6  | 13.7            | 9.6  | 14.0            | 9.7  | 14.6            | 10.1 | 15.7            | 10.1 | 16.7            | 10.0 |
|                          | 100               | 37.5 | 12.3              | 9.3  | 12.6            | 9.6  | 13.4            | 9.5  | 13.8            | 9.6  | 14.5            | 10.1 | 15.5            | 10.0 | 16.5            | 9.9  |
|                          | 104               | 40.0 | 12.1              | 9.2  | 12.4            | 9.5  | 13.4            | 9.5  | 13.6            | 9.5  | 14.3            | 10.0 | 15.4            | 10.0 | 16.4            | 9.9  |
|                          | 110               | 43.0 | 12.0              | 9.2  | 12.3            | 9.4  | 13.2            | 9.4  | 13.4            | 9.5  | 14.1            | 10.0 | 15.1            | 9.9  | 16.2            | 9.8  |
| 140<br>(16.0)            | 68                | 20.0 | 15.1              | 11.2 | 15.6            | 11.5 | 16.6            | 11.4 | 17.1            | 11.6 | 17.8            | 12.1 | 18.9            | 11.9 | 20.2            | 11.8 |
|                          | 73                | 22.5 | 15.0              | 11.2 | 15.4            | 11.4 | 16.5            | 11.4 | 17.0            | 11.5 | 17.6            | 12.0 | 18.8            | 11.9 | 19.9            | 11.7 |
|                          | 77                | 25.0 | 14.9              | 11.1 | 15.3            | 11.4 | 16.3            | 11.3 | 16.8            | 11.5 | 17.4            | 11.9 | 18.6            | 11.8 | 19.8            | 11.7 |
|                          | 82                | 27.5 | 14.7              | 11.0 | 15.0            | 11.2 | 16.2            | 11.2 | 16.6            | 11.4 | 17.3            | 11.9 | 18.4            | 11.7 | 19.2            | 11.4 |
|                          | 86                | 30.0 | 14.6              | 10.9 | 14.9            | 11.2 | 16.0            | 11.2 | 16.5            | 11.3 | 17.1            | 11.8 | 18.2            | 11.7 | 19.4            | 11.5 |
|                          | 91                | 32.5 | 14.4              | 10.8 | 14.7            | 11.1 | 15.7            | 11.0 | 16.2            | 11.2 | 17.0            | 11.7 | 18.1            | 11.6 | 19.2            | 11.4 |
|                          | 95                | 35.0 | 14.2              | 10.8 | 14.5            | 11.0 | 15.6            | 11.0 | 16.0            | 11.1 | 16.6            | 11.6 | 17.9            | 11.6 | 19.0            | 11.4 |
|                          | 100               | 37.5 | 14.1              | 10.7 | 14.4            | 10.9 | 15.4            | 10.9 | 15.8            | 11.0 | 16.6            | 11.6 | 17.7            | 11.5 | 18.9            | 11.3 |
|                          | 104               | 40.0 | 13.8              | 10.6 | 14.2            | 10.8 | 15.3            | 10.8 | 15.5            | 10.9 | 16.3            | 11.5 | 17.6            | 11.4 | 18.7            | 11.3 |
|                          | 110               | 43.0 | 13.8              | 10.5 | 14.0            | 10.8 | 15.0            | 10.7 | 15.4            | 10.8 | 16.2            | 11.4 | 17.3            | 11.3 | 18.6            | 11.2 |
| 200<br>(22.4)            | 68                | 20.0 | 21.2              | 16.0 | 21.8            | 16.5 | 23.3            | 16.4 | 24.0            | 16.6 | 25.0            | 17.4 | 26.4            | 17.1 | 28.2            | 17.0 |
|                          | 73                | 22.5 | 21.1              | 16.0 | 21.6            | 16.4 | 23.1            | 16.3 | 23.7            | 16.6 | 24.6            | 17.3 | 26.3            | 17.1 | 27.9            | 16.8 |
|                          | 77                | 25.0 | 20.8              | 15.9 | 21.4            | 16.3 | 22.8            | 16.2 | 23.5            | 16.5 | 24.4            | 17.2 | 26.0            | 17.0 | 27.7            | 16.8 |
|                          | 82                | 27.5 | 20.6              | 15.8 | 21.1            | 16.2 | 22.6            | 16.1 | 23.3            | 16.4 | 24.2            | 17.1 | 25.8            | 16.9 | 26.9            | 16.5 |
|                          | 86                | 30.0 | 20.4              | 15.7 | 20.8            | 16.0 | 22.4            | 16.0 | 23.1            | 16.3 | 24.0            | 17.0 | 25.5            | 16.8 | 27.1            | 16.6 |
|                          | 91                | 32.5 | 20.2              | 15.5 | 20.6            | 15.9 | 22.0            | 15.8 | 22.6            | 16.1 | 23.7            | 16.9 | 25.3            | 16.7 | 26.9            | 16.5 |
|                          | 95                | 35.0 | 19.9              | 15.4 | 20.3            | 15.8 | 21.8            | 15.8 | 22.4            | 16.0 | 23.3            | 16.7 | 25.1            | 16.6 | 26.7            | 16.4 |
|                          | 100               | 37.5 | 19.7              | 15.3 | 20.1            | 15.7 | 21.5            | 15.6 | 22.1            | 15.9 | 23.2            | 16.7 | 24.8            | 16.5 | 26.4            | 16.3 |
|                          | 104               | 40.0 | 19.4              | 15.2 | 19.8            | 15.6 | 21.4            | 15.6 | 21.7            | 15.7 | 22.8            | 16.5 | 24.6            | 16.5 | 26.2            | 16.2 |
|                          | 110               | 43.0 | 19.3              | 15.1 | 19.6            | 15.5 | 21.1            | 15.4 | 21.5            | 15.6 | 22.6            | 16.4 | 24.2            | 16.3 | 26.0            | 16.2 |
| 250<br>(28.0)            | 68                | 20.0 | 26.5              | 19.9 | 27.3            | 20.5 | 29.1            | 20.4 | 30.0            | 20.7 | 31.2            | 21.6 | 33.0            | 21.3 | 35.3            | 21.1 |
|                          | 73                | 22.5 | 26.3              | 19.9 | 27.0            | 20.4 | 28.8            | 20.3 | 29.7            | 20.6 | 30.8            | 21.4 | 32.9            | 21.3 | 34.9            | 20.9 |
|                          | 77                | 25.0 | 26.0              | 19.7 | 26.7            | 20.3 | 28.6            | 20.2 | 29.4            | 20.5 | 30.5            | 21.3 | 32.5            | 21.1 | 34.6            | 20.8 |
|                          | 82                | 27.5 | 25.8              | 19.6 | 26.3            | 20.1 | 28.3            | 20.0 | 29.1            | 20.3 | 30.2            | 21.2 | 32.2            | 21.0 | 33.6            | 20.5 |
|                          | 86                | 30.0 | 25.5              | 19.5 | 26.0            | 19.9 | 28.0            | 19.9 | 28.8            | 20.2 | 30.0            | 21.1 | 31.9            | 20.9 | 33.9            | 20.6 |
|                          | 91                | 32.5 | 25.2              | 19.3 | 25.8            | 19.8 | 27.4            | 19.7 | 28.3            | 20.0 | 29.7            | 21.0 | 31.6            | 20.8 | 33.6            | 20.5 |
|                          | 95                | 35.0 | 24.9              | 19.2 | 25.3            | 19.6 | 27.3            | 19.6 | 28.0            | 19.9 | 29.1            | 20.8 | 31.4            | 20.7 | 33.3            | 20.4 |
|                          | 100               | 37.5 | 24.6              | 19.1 | 25.1            | 19.5 | 26.9            | 19.4 | 27.6            | 19.7 | 29.0            | 20.7 | 30.9            | 20.5 | 33.0            | 20.3 |
|                          | 104               | 40.0 | 24.2              | 18.8 | 24.8            | 19.4 | 26.7            | 19.4 | 27.2            | 19.5 | 28.6            | 20.5 | 30.8            | 20.4 | 32.8            | 20.2 |
|                          | 110               | 43.0 | 24.1              | 18.8 | 24.5            | 19.2 | 26.3            | 19.2 | 26.9            | 19.4 | 28.3            | 20.4 | 30.2            | 20.2 | 32.5            | 20.1 |

kcal/h = kW x 860, Btu/h = kW x 3,412



## 2. CAPACITY TABLES

R410A Data G2

### 2-3b. Heating capacity in combination with PUHY,PURY-P450,500,550,600,650YGM

PEFY-P-VML-E,VMH-E

SHC : Sensible Heat Capacity(kW)

| Model size<br>(Rated kW) | Outdoor air temp. |       | Indoor air temp. |          |          |          |
|--------------------------|-------------------|-------|------------------|----------|----------|----------|
|                          |                   |       | 59 °FDB          | 68 °FDB  | 77 °FDB  | 81 °FDB  |
|                          | °FWB              | °CWB  | 15.0°CDB         | 20.0°CDB | 25.0°CDB | 27.0°CDB |
| 20<br>(2.2)              | -4                | -20.0 | 1.3              | 1.3      | 1.3      | 1.3      |
|                          | 5                 | -15.0 | 1.6              | 1.5      | 1.5      | 1.5      |
|                          | 14                | -10.0 | 1.8              | 1.8      | 1.7      | 1.7      |
|                          | 23                | -5.0  | 2.1              | 2.0      | 1.9      | 1.8      |
|                          | 32                | 0.0   | 2.3              | 2.3      | 2.0      | 1.8      |
|                          | 37                | 2.5   | 2.4              | 2.4      | 2.0      | 1.8      |
|                          | 43                | 6.0   | 2.6              | 2.5      | 2.0      | 1.8      |
|                          | 46                | 7.5   | 2.7              | 2.5      | 2.0      | 1.8      |
|                          | 50                | 10.0  | 2.8              | 2.5      | 2.0      | 1.8      |
|                          | 55                | 12.5  | 2.9              | 2.5      | 2.0      | 1.8      |
|                          | 60                | 15.5  | 2.9              | 2.5      | 2.0      | 1.8      |
| 25<br>(2.8)              | -4                | -20.0 | 1.7              | 1.6      | 1.6      | 1.6      |
|                          | 5                 | -15.0 | 2.0              | 1.9      | 1.9      | 1.9      |
|                          | 14                | -10.0 | 2.3              | 2.2      | 2.2      | 2.1      |
|                          | 23                | -5.0  | 2.6              | 2.6      | 2.5      | 2.3      |
|                          | 32                | 0.0   | 2.9              | 2.9      | 2.5      | 2.3      |
|                          | 37                | 2.5   | 3.1              | 3.0      | 2.5      | 2.3      |
|                          | 43                | 6.0   | 3.3              | 3.2      | 2.5      | 2.3      |
|                          | 46                | 7.5   | 3.4              | 3.2      | 2.5      | 2.3      |
|                          | 50                | 10.0  | 3.6              | 3.2      | 2.5      | 2.3      |
|                          | 55                | 12.5  | 3.7              | 3.2      | 2.5      | 2.3      |
|                          | 60                | 15.5  | 3.7              | 3.2      | 2.5      | 2.3      |
| 32<br>(3.6)              | -4                | -20.0 | 2.1              | 2.0      | 2.0      | 2.0      |
|                          | 5                 | -15.0 | 2.5              | 2.4      | 2.4      | 2.3      |
|                          | 14                | -10.0 | 2.9              | 2.8      | 2.7      | 2.6      |
|                          | 23                | -5.0  | 3.3              | 3.2      | 3.1      | 2.8      |
|                          | 32                | 0.0   | 3.7              | 3.6      | 3.2      | 2.8      |
|                          | 37                | 2.5   | 3.8              | 3.8      | 3.2      | 2.8      |
|                          | 43                | 6.0   | 4.1              | 4.0      | 3.2      | 2.8      |
|                          | 46                | 7.5   | 4.2              | 4.0      | 3.2      | 2.8      |
|                          | 50                | 10.0  | 4.4              | 4.0      | 3.2      | 2.8      |
|                          | 55                | 12.5  | 4.6              | 4.0      | 3.2      | 2.8      |
|                          | 60                | 15.5  | 4.6              | 4.0      | 3.2      | 2.8      |
| 40<br>(4.5)              | -4                | -20.0 | 2.7              | 2.6      | 2.6      | 2.5      |
|                          | 5                 | -15.0 | 3.1              | 3.0      | 3.0      | 2.9      |
|                          | 14                | -10.0 | 3.6              | 3.5      | 3.4      | 3.3      |
|                          | 23                | -5.0  | 4.1              | 4.0      | 3.9      | 3.5      |
|                          | 32                | 0.0   | 4.6              | 4.5      | 4.0      | 3.5      |
|                          | 37                | 2.5   | 4.8              | 4.8      | 4.0      | 3.5      |
|                          | 43                | 6.0   | 5.2              | 5.0      | 4.0      | 3.5      |
|                          | 46                | 7.5   | 5.3              | 5.0      | 4.0      | 3.5      |
|                          | 50                | 10.0  | 5.6              | 5.0      | 4.0      | 3.5      |
|                          | 55                | 12.5  | 5.8              | 5.0      | 4.0      | 3.5      |
|                          | 60                | 15.5  | 5.8              | 5.0      | 4.0      | 3.5      |
| 50<br>(5.6)              | -4                | -20.0 | 3.3              | 3.2      | 3.2      | 3.2      |
|                          | 5                 | -15.0 | 3.9              | 3.8      | 3.8      | 3.7      |
|                          | 14                | -10.0 | 4.5              | 4.4      | 4.3      | 4.2      |
|                          | 23                | -5.0  | 5.2              | 5.0      | 4.9      | 4.4      |
|                          | 32                | 0.0   | 5.8              | 5.7      | 5.0      | 4.4      |
|                          | 37                | 2.5   | 6.0              | 6.0      | 5.0      | 4.4      |
|                          | 43                | 6.0   | 6.5              | 6.3      | 5.0      | 4.4      |
|                          | 46                | 7.5   | 6.7              | 6.3      | 5.0      | 4.4      |
|                          | 50                | 10.0  | 7.0              | 6.3      | 5.0      | 4.4      |
|                          | 55                | 12.5  | 7.3              | 6.3      | 5.0      | 4.4      |
|                          | 60                | 15.5  | 7.3              | 6.3      | 5.0      | 4.4      |
| 63<br>(7.1)              | -4                | -20.0 | 4.2              | 4.1      | 4.1      | 4.0      |
|                          | 5                 | -15.0 | 5.0              | 4.8      | 4.8      | 4.6      |
|                          | 14                | -10.0 | 5.8              | 5.6      | 5.4      | 5.3      |
|                          | 23                | -5.0  | 6.6              | 6.4      | 6.2      | 5.6      |
|                          | 32                | 0.0   | 7.4              | 7.2      | 6.4      | 5.6      |
|                          | 37                | 2.5   | 7.7              | 7.6      | 6.4      | 5.6      |
|                          | 43                | 6.0   | 8.2              | 8.0      | 6.4      | 5.6      |
|                          | 46                | 7.5   | 8.5              | 8.0      | 6.4      | 5.6      |
|                          | 50                | 10.0  | 8.9              | 8.0      | 6.4      | 5.6      |
|                          | 55                | 12.5  | 9.3              | 8.0      | 6.4      | 5.6      |
|                          | 60                | 15.5  | 9.3              | 8.0      | 6.4      | 5.6      |
| 71<br>(8.0)              | -4                | -20.0 | 4.8              | 4.6      | 4.6      | 4.5      |
|                          | 5                 | -15.0 | 5.6              | 5.4      | 5.4      | 5.2      |
|                          | 14                | -10.0 | 6.5              | 6.3      | 6.1      | 5.9      |
|                          | 23                | -5.0  | 7.4              | 7.2      | 6.9      | 6.3      |
|                          | 32                | 0.0   | 8.3              | 8.1      | 7.2      | 6.3      |
|                          | 37                | 2.5   | 8.6              | 8.6      | 7.2      | 6.3      |
|                          | 43                | 6.0   | 9.3              | 9.0      | 7.2      | 6.3      |
|                          | 46                | 7.5   | 9.5              | 9.0      | 7.2      | 6.3      |
|                          | 50                | 10.0  | 10.0             | 9.0      | 7.2      | 6.3      |
|                          | 55                | 12.5  | 10.4             | 9.0      | 7.2      | 6.3      |
|                          | 60                | 15.5  | 10.4             | 9.0      | 7.2      | 6.3      |

| Model size<br>(Rated kW) | Outdoor air temp. |       | Indoor air temp. |          |          |          |
|--------------------------|-------------------|-------|------------------|----------|----------|----------|
|                          |                   |       | 59 °FDB          | 68 °FDB  | 77 °FDB  | 81 °FDB  |
|                          | °FWB              | °CWB  | 15.0°CDB         | 20.0°CDB | 25.0°CDB | 27.0°CDB |
| 80<br>(9.0)              | -4                | -20.0 | 5.3              | 5.1      | 5.1      | 5.0      |
|                          | 5                 | -15.0 | 6.3              | 6.1      | 6.0      | 5.8      |
|                          | 14                | -10.0 | 7.2              | 7.0      | 6.8      | 6.6      |
|                          | 23                | -5.0  | 8.2              | 8.0      | 7.7      | 7.1      |
|                          | 32                | 0.0   | 9.2              | 9.0      | 8.0      | 7.1      |
|                          | 37                | 2.5   | 9.6              | 9.5      | 8.0      | 7.1      |
|                          | 43                | 6.0   | 10.3             | 10.0     | 8.0      | 7.1      |
|                          | 46                | 7.5   | 10.6             | 10.0     | 8.0      | 7.1      |
|                          | 50                | 10.0  | 11.1             | 10.0     | 8.0      | 7.1      |
|                          | 55                | 12.5  | 11.6             | 10.0     | 8.0      | 7.1      |
|                          | 60                | 15.5  | 11.6             | 10.0     | 8.0      | 7.1      |
| 100<br>(11.2)            | -4                | -20.0 | 6.6              | 6.4      | 6.4      | 6.3      |
|                          | 5                 | -15.0 | 7.8              | 7.6      | 7.5      | 7.3      |
|                          | 14                | -10.0 | 9.0              | 8.8      | 8.5      | 8.3      |
|                          | 23                | -5.0  | 10.3             | 10.0     | 9.6      | 8.8      |
|                          | 32                | 0.0   | 11.5             | 11.3     | 9.9      | 8.8      |
|                          | 37                | 2.5   | 12.0             | 11.9     | 9.9      | 8.8      |
|                          | 43                | 6.0   | 12.9             | 12.5     | 9.9      | 8.8      |
|                          | 46                | 7.5   | 13.3             | 12.5     | 9.9      | 8.8      |
|                          | 50                | 10.0  | 13.9             | 12.5     | 9.9      | 8.8      |
|                          | 55                | 12.5  | 14.5             | 12.5     | 9.9      | 8.8      |
|                          | 60                | 15.5  | 14.5             | 12.5     | 9.9      | 8.8      |
| 125<br>(14.0)            | -4                | -20.0 | 8.5              | 8.2      | 8.2      | 8.0      |
|                          | 5                 | -15.0 | 10.0             | 9.7      | 9.6      | 9.3      |
|                          | 14                | -10.0 | 11.5             | 11.2     | 10.9     | 10.6     |
|                          | 23                | -5.0  | 13.1             | 12.8     | 12.3     | 11.3     |
|                          | 32                | 0.0   | 14.7             | 14.4     | 12.7     | 11.3     |
|                          | 37                | 2.5   | 15.4             | 15.2     | 12.7     | 11.3     |
|                          | 43                | 6.0   | 16.5             | 16.0     | 12.7     | 11.3     |
|                          | 46                | 7.5   | 17.0             | 16.0     | 12.7     | 11.3     |
|                          | 50                | 10.0  | 17.8             | 16.0     | 12.7     | 11.3     |
|                          | 55                | 12.5  | 18.6             | 16.0     | 12.7     | 11.3     |
|                          | 60                | 15.5  | 18.6             | 16.0     | 12.7     | 11.3     |
| 140<br>(16.0)            | -4                | -20.0 | 9.5              | 9.2      | 9.2      | 9.0      |
|                          | 5                 | -15.0 | 11.3             | 10.9     | 10.8     | 10.4     |
|                          | 14                | -10.0 | 13.0             | 12.6     | 12.2     | 11.9     |
|                          | 23                | -5.0  | 14.8             | 14.4     | 13.9     | 12.7     |
|                          | 32                | 0.0   | 16.6             | 16.2     | 14.3     | 12.7     |
|                          | 37                | 2.5   | 17.3             | 17.1     | 14.3     | 12.7     |
|                          | 43                | 6.0   | 18.5             | 18.0     | 14.3     | 12.7     |
|                          | 46                | 7.5   | 19.1             | 18.0     | 14.3     | 12.7     |
|                          | 50                | 10.0  | 20.0             | 18.0     | 14.3     | 12.7     |
|                          | 55                | 12.5  | 20.9             | 18.0     | 14.3     | 12.7     |
|                          | 60                | 15.5  | 20.9             | 18.0     | 14.3     | 12.7     |
| 200<br>(22.4)            | -4                | -20.0 | 13.3             | 12.8     | 12.8     | 12.5     |
|                          | 5                 | -15.0 | 15.6             | 15.1     | 15.0     | 14.5     |
|                          | 14                | -10.0 | 18.0             | 17.5     | 17.0     | 16.5     |
|                          | 23                | -5.0  | 20.5             | 20.0     | 19.3     | 17.6     |
|                          | 32                | 0.0   | 23.0             | 22.5     | 19.9     | 17.6     |
|                          | 37                | 2.5   | 24.0             | 23.8     | 19.9     | 17.6     |
|                          | 43                | 6.0   | 25.8             | 25.0     | 19.9     | 17.6     |
|                          | 46                | 7.5   | 26.5             | 25.0     | 19.9     | 17.6     |
|                          | 50                | 10.0  | 27.8             | 25.0     | 19.9     | 17.6     |
|                          | 55                | 12.5  | 29.0             | 25.0     | 19.9     | 17.6     |
|                          | 60                | 15.5  | 29.0             | 25.0     | 19.9     | 17.6     |
| 250<br>(28.0)            | -4                | -20.0 | 16.7             | 16.1     | 16.1     | 15.8     |
|                          | 5                 | -15.0 | 19.7             | 19.1     | 18.9     | 18.3     |
|                          | 14                | -10.0 | 22.7             | 22.1     | 21.4     | 20.8     |
|                          | 23                | -5.0  | 25.8             | 25.2     | 24.3     | 22.2     |
|                          | 32                | 0.0   | 29.0             | 28.4     | 25.0     | 22.2     |
|                          | 37                | 2.5   | 30.2             | 29.9     | 25.0     | 22.2     |
|                          | 43                | 6.0   | 32.4             | 31.5     | 25.0     | 22.2     |
|                          | 46                | 7.5   | 33.4             | 31.5     | 25.0     | 22.2     |
|                          | 50                | 10.0  | 35.0             | 31.5     | 25.0     | 22.2     |
|                          | 55                | 12.5  | 36.5             | 31.5     | 25.0     | 22.2     |
|                          | 60                | 15.5  | 36.5             | 31.5     | 25.0     | 22.2     |

kcal/h = kW x 860, Btu/h = kW x 3,412



## 2. CAPACITY TABLES

R410A Data G2

### 2-4a. Cooling capacity in combination with PQHY,PQRY-P200,250YGM, PQHY,PQRY-P400,500YSGM

PEFY-P-VML-E,VMH-E

CA : Capacity(kW) SHC : Sensible Heat Capacity(kW)

| Model size<br>(Rated kW) | Water temp. |      | Indoor air temp.  |                 |                 |                 |                 |                 |                 |      |                 |      |                 |      |                 |      |
|--------------------------|-------------|------|-------------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|------|-----------------|------|-----------------|------|-----------------|------|
|                          |             |      | 71°FDB / 59°FWB   |                 | 73°FDB / 61°FWB |                 | 77°FDB / 64°FWB |                 | 81°FDB / 66°FWB |      | 82°FDB / 68°FWB |      | 86°FDB / 72°FWB |      | 90°FDB / 75°FWB |      |
|                          | °F          | °C   | 21.5°CDB / 15°CWB | 23°CDB / 16°CWB | 25°CDB / 18°CWB | 27°CDB / 19°CWB | 28°CDB / 20°CWB | 30°CDB / 22°CWB | 32°CDB / 24°CWB |      |                 |      |                 |      |                 |      |
|                          |             |      | CA                | SHC             | CA              | SHC             | CA              | SHC             | CA              | SHC  | CA              | SHC  | CA              | SHC  | CA              | SHC  |
| 20<br>(2.2)              | 50          | 10.0 | 2.2               | 1.8             | 2.3             | 1.9             | 2.4             | 1.9             | 2.5             | 1.9  | 2.6             | 2.0  | 2.7             | 2.0  | 2.9             | 2.0  |
|                          | 68          | 20.0 | 2.1               | 1.8             | 2.1             | 1.9             | 2.3             | 1.9             | 2.4             | 1.9  | 2.4             | 2.0  | 2.6             | 2.0  | 2.7             | 1.9  |
|                          | 86          | 30.0 | 1.9               | 1.7             | 2.0             | 1.8             | 2.1             | 1.8             | 2.2             | 1.8  | 2.3             | 1.9  | 2.4             | 1.9  | 2.5             | 1.9  |
|                          | 104         | 40.0 | 1.7               | 1.6             | 1.8             | 1.7             | 1.9             | 1.7             | 2.0             | 1.8  | 2.1             | 1.8  | 2.2             | 1.8  | 2.3             | 1.8  |
|                          | 113         | 45.0 | 1.6               | 1.6             | 1.7             | 1.7             | 1.8             | 1.7             | 1.9             | 1.7  | 1.9             | 1.8  | 2.0             | 1.8  | 2.2             | 1.7  |
| 25<br>(2.8)              | 50          | 10.0 | 2.8               | 2.2             | 2.9             | 2.3             | 3.1             | 2.2             | 3.2             | 2.3  | 3.3             | 2.4  | 3.5             | 2.3  | 3.7             | 2.3  |
|                          | 68          | 20.0 | 2.6               | 2.1             | 2.7             | 2.2             | 2.9             | 2.2             | 3.0             | 2.2  | 3.1             | 2.3  | 3.3             | 2.3  | 3.5             | 2.2  |
|                          | 86          | 30.0 | 2.5               | 2.0             | 2.5             | 2.1             | 2.7             | 2.1             | 2.8             | 2.1  | 2.9             | 2.2  | 3.1             | 2.2  | 3.2             | 2.2  |
|                          | 104         | 40.0 | 2.2               | 1.9             | 2.3             | 2.0             | 2.5             | 2.0             | 2.5             | 2.0  | 2.6             | 2.1  | 2.8             | 2.1  | 2.9             | 2.1  |
|                          | 113         | 45.0 | 2.1               | 1.9             | 2.1             | 1.9             | 2.3             | 1.9             | 2.4             | 2.0  | 2.4             | 2.1  | 2.6             | 2.0  | 2.7             | 2.0  |
| 32<br>(3.6)              | 50          | 10.0 | 3.6               | 2.7             | 3.7             | 2.8             | 3.9             | 2.8             | 4.1             | 2.8  | 4.2             | 2.9  | 4.5             | 2.9  | 4.7             | 2.9  |
|                          | 68          | 20.0 | 3.4               | 2.6             | 3.5             | 2.7             | 3.7             | 2.7             | 3.9             | 2.7  | 4.0             | 2.9  | 4.2             | 2.8  | 4.5             | 2.8  |
|                          | 86          | 30.0 | 3.2               | 2.5             | 3.3             | 2.6             | 3.5             | 2.6             | 3.6             | 2.6  | 3.7             | 2.7  | 3.9             | 2.7  | 4.2             | 2.7  |
|                          | 104         | 40.0 | 2.9               | 2.4             | 3.0             | 2.5             | 3.2             | 2.5             | 3.3             | 2.5  | 3.4             | 2.6  | 3.6             | 2.6  | 3.8             | 2.5  |
|                          | 113         | 45.0 | 2.7               | 2.3             | 2.8             | 2.4             | 3.0             | 2.4             | 3.0             | 2.4  | 3.1             | 2.5  | 3.3             | 2.5  | 3.5             | 2.5  |
| 40<br>(4.5)              | 50          | 10.0 | 4.5               | 3.3             | 4.6             | 3.5             | 4.9             | 3.4             | 5.1             | 3.5  | 5.2             | 3.6  | 5.6             | 3.6  | 5.9             | 3.5  |
|                          | 68          | 20.0 | 4.2               | 3.2             | 4.4             | 3.3             | 4.7             | 3.3             | 4.8             | 3.4  | 5.0             | 3.5  | 5.3             | 3.5  | 5.6             | 3.4  |
|                          | 86          | 30.0 | 3.9               | 3.1             | 4.1             | 3.2             | 4.4             | 3.2             | 4.5             | 3.2  | 4.6             | 3.4  | 4.9             | 3.3  | 5.2             | 3.3  |
|                          | 104         | 40.0 | 3.6               | 2.9             | 3.7             | 3.0             | 3.9             | 3.0             | 4.1             | 3.1  | 4.2             | 3.2  | 4.5             | 3.2  | 4.7             | 3.1  |
|                          | 113         | 45.0 | 3.3               | 2.8             | 3.5             | 2.9             | 3.7             | 2.9             | 3.8             | 3.0  | 3.9             | 3.1  | 4.2             | 3.0  | 4.4             | 3.0  |
| 50<br>(5.6)              | 50          | 10.0 | 5.5               | 3.9             | 5.7             | 4.0             | 6.1             | 4.0             | 6.3             | 4.1  | 6.5             | 4.2  | 6.9             | 4.2  | 7.3             | 4.1  |
|                          | 68          | 20.0 | 5.3               | 3.8             | 5.4             | 3.9             | 5.8             | 3.9             | 6.0             | 3.9  | 6.2             | 4.1  | 6.6             | 4.0  | 6.9             | 3.9  |
|                          | 86          | 30.0 | 4.9               | 3.6             | 5.1             | 3.7             | 5.4             | 3.7             | 5.6             | 3.7  | 5.8             | 3.9  | 6.1             | 3.8  | 6.5             | 3.8  |
|                          | 104         | 40.0 | 4.4               | 3.4             | 4.6             | 3.5             | 4.9             | 3.5             | 5.1             | 3.5  | 5.2             | 3.7  | 5.5             | 3.6  | 5.9             | 3.5  |
|                          | 113         | 45.0 | 4.2               | 3.2             | 4.3             | 3.3             | 4.6             | 3.3             | 4.7             | 3.4  | 4.9             | 3.5  | 5.2             | 3.5  | 5.5             | 3.4  |
| 63<br>(7.1)              | 50          | 10.0 | 7.0               | 5.2             | 7.3             | 5.3             | 7.8             | 5.3             | 8.0             | 5.4  | 8.3             | 5.6  | 8.8             | 5.5  | 9.3             | 5.4  |
|                          | 68          | 20.0 | 6.7               | 5.0             | 6.9             | 5.1             | 7.4             | 5.1             | 7.6             | 5.2  | 7.8             | 5.4  | 8.3             | 5.3  | 8.8             | 5.2  |
|                          | 86          | 30.0 | 6.2               | 4.8             | 6.4             | 4.9             | 6.9             | 4.9             | 7.1             | 5.0  | 7.3             | 5.2  | 7.8             | 5.1  | 8.2             | 5.0  |
|                          | 104         | 40.0 | 5.6               | 4.5             | 5.8             | 4.6             | 6.2             | 4.6             | 6.4             | 4.7  | 6.6             | 4.9  | 7.0             | 4.8  | 7.4             | 4.7  |
|                          | 113         | 45.0 | 5.3               | 4.3             | 5.4             | 4.5             | 5.8             | 4.4             | 6.0             | 4.5  | 6.2             | 4.7  | 6.6             | 4.6  | 6.9             | 4.6  |
| 71<br>(8.0)              | 50          | 10.0 | 7.9               | 5.8             | 8.2             | 5.9             | 8.8             | 5.9             | 9.0             | 6.0  | 9.3             | 6.2  | 9.9             | 6.1  | 10.5            | 6.0  |
|                          | 68          | 20.0 | 7.5               | 5.6             | 7.8             | 5.7             | 8.3             | 5.7             | 8.6             | 5.8  | 8.8             | 6.0  | 9.4             | 5.9  | 9.9             | 5.8  |
|                          | 86          | 30.0 | 7.0               | 5.3             | 7.3             | 5.5             | 7.8             | 5.4             | 8.0             | 5.5  | 8.2             | 5.7  | 8.7             | 5.7  | 9.2             | 5.6  |
|                          | 104         | 40.0 | 6.3               | 5.0             | 6.6             | 5.2             | 7.0             | 5.1             | 7.2             | 5.2  | 7.5             | 5.4  | 7.9             | 5.4  | 8.4             | 5.3  |
|                          | 113         | 45.0 | 5.9               | 4.8             | 6.1             | 5.0             | 6.6             | 4.9             | 6.8             | 5.0  | 7.0             | 5.2  | 7.4             | 5.2  | 7.8             | 5.1  |
| 80<br>(9.0)              | 50          | 10.0 | 8.9               | 6.5             | 9.2             | 6.7             | 9.9             | 6.7             | 10.2            | 6.8  | 10.5            | 7.0  | 11.1            | 6.9  | 11.8            | 6.8  |
|                          | 68          | 20.0 | 8.5               | 6.3             | 8.8             | 6.5             | 9.3             | 6.4             | 9.6             | 6.5  | 9.9             | 6.8  | 10.5            | 6.7  | 11.2            | 6.6  |
|                          | 86          | 30.0 | 7.9               | 6.0             | 8.2             | 6.2             | 8.7             | 6.2             | 9.0             | 6.3  | 9.3             | 6.5  | 9.8             | 6.4  | 10.4            | 6.3  |
|                          | 104         | 40.0 | 7.1               | 5.6             | 7.4             | 5.8             | 7.9             | 5.8             | 8.1             | 5.9  | 8.4             | 6.2  | 8.9             | 6.1  | 9.4             | 6.0  |
|                          | 113         | 45.0 | 6.7               | 5.4             | 6.9             | 5.6             | 7.4             | 5.6             | 7.6             | 5.7  | 7.9             | 5.9  | 8.3             | 5.9  | 8.8             | 5.8  |
| 100<br>(11.2)            | 50          | 10.0 | 11.1              | 8.7             | 11.5            | 9.0             | 12.3            | 9.0             | 12.7            | 9.2  | 13.1            | 9.5  | 13.8            | 9.4  | 14.6            | 9.2  |
|                          | 68          | 20.0 | 10.5              | 8.5             | 10.9            | 8.8             | 11.6            | 8.7             | 12.0            | 8.9  | 12.4            | 9.2  | 13.1            | 9.1  | 13.9            | 9.0  |
|                          | 86          | 30.0 | 9.8               | 8.1             | 10.2            | 8.4             | 10.9            | 8.4             | 11.2            | 8.6  | 11.5            | 8.9  | 12.2            | 8.8  | 12.9            | 8.7  |
|                          | 104         | 40.0 | 8.9               | 7.7             | 9.2             | 8.0             | 9.8             | 8.0             | 10.1            | 8.1  | 10.5            | 8.5  | 11.1            | 8.4  | 11.7            | 8.3  |
|                          | 113         | 45.0 | 8.3               | 7.4             | 8.6             | 7.7             | 9.2             | 7.7             | 9.5             | 7.9  | 9.8             | 8.2  | 10.4            | 8.1  | 11.0            | 8.0  |
| 125<br>(14.0)            | 50          | 10.0 | 13.9              | 10.1            | 14.4            | 10.4            | 15.3            | 10.4            | 15.8            | 10.5 | 16.3            | 10.9 | 17.3            | 10.7 | 18.3            | 10.6 |
|                          | 68          | 20.0 | 13.1              | 9.8             | 13.6            | 10.1            | 14.5            | 10.0            | 15.0            | 10.1 | 15.5            | 10.5 | 16.4            | 10.4 | 17.3            | 10.2 |
|                          | 86          | 30.0 | 12.3              | 9.3             | 12.7            | 9.6             | 13.6            | 9.6             | 14.0            | 9.7  | 14.4            | 10.1 | 15.3            | 10.0 | 16.2            | 9.8  |
|                          | 104         | 40.0 | 11.1              | 8.8             | 11.5            | 9.1             | 12.3            | 9.0             | 12.7            | 9.2  | 13.1            | 9.5  | 13.8            | 9.4  | 14.6            | 9.3  |
|                          | 113         | 45.0 | 10.4              | 8.4             | 10.7            | 8.7             | 11.5            | 8.7             | 11.8            | 8.8  | 12.2            | 9.2  | 12.9            | 9.1  | 13.7            | 8.9  |
| 140<br>(16.0)            | 50          | 10.0 | 15.9              | 11.6            | 16.4            | 11.9            | 17.5            | 11.9            | 18.1            | 12.0 | 18.7            | 12.5 | 19.8            | 12.3 | 20.9            | 12.1 |
|                          | 68          | 20.0 | 15.0              | 11.1            | 15.6            | 11.5            | 16.6            | 11.4            | 17.2            | 11.6 | 17.7            | 12.0 | 18.7            | 11.9 | 19.8            | 11.7 |
|                          | 86          | 30.0 | 14.0              | 10.6            | 14.5            | 11.0            | 15.5            | 10.9            | 16.0            | 11.1 | 16.5            | 11.5 | 17.5            | 11.4 | 18.5            | 11.2 |
|                          | 104         | 40.0 | 12.7              | 10.0            | 13.1            | 10.4            | 14.0            | 10.3            | 14.5            | 10.5 | 14.9            | 10.9 | 15.8            | 10.8 | 16.7            | 10.6 |
|                          | 113         | 45.0 | 11.9              | 9.6             | 12.3            | 10.0            | 13.1            | 9.9             | 13.5            | 10.1 | 14.0            | 10.5 | 14.8            | 10.4 | 15.6            | 10.2 |
| 200<br>(22.4)            | 50          | 10.0 | 22.2              | 16.5            | 23.0            | 17.1            | 24.5            | 17.0            | 25.3            | 17.2 | 26.1            | 17.9 | 27.7            | 17.6 | 29.3            | 17.3 |
|                          | 68          | 20.0 | 21.0              | 16.0            | 21.8            | 16.5            | 23.3            | 16.4            | 24.0            | 16.7 | 24.8            | 17.3 | 26.2            | 17.1 | 27.8            | 16.8 |
|                          | 86          | 30.0 | 19.6              | 15.3            | 20.3            | 15.8            | 21.7            | 15.7            | 22.4            | 16.0 | 23.1            | 16.6 | 24.5            | 16.4 | 25.9            | 16.1 |
|                          | 104         | 40.0 | 17.8              | 14.4            | 18.4            | 14.9            | 19.6            | 14.8            | 20.3            | 15.1 | 20.9            | 15.7 | 22.2            | 15.5 | 23.4            | 15.3 |
|                          | 113         | 45.0 | 16.6              | 13.9            | 17.2            | 14.4            | 18.4            | 14.3            | 19.0            | 14.6 | 19.5            | 15.2 | 20.7            | 15.0 | 21.9            | 14.8 |
| 250<br>(28.0)            | 50          | 10.0 | 27.7              | 20.6            | 28.7            | 21.2            | 30.7            | 21.1            | 31.7            | 21.4 | 32.6            | 22.2 | 34.6            | 21.9 | 36.6            | 21.6 |
|                          | 68          | 20.0 | 26.3              | 19.9            | 27.2            | 20.5            | 29.1            | 20.4            | 30.0            | 20.7 | 30.9            | 21.5 | 32.8            | 21.2 | 34.7            | 20.9 |
|                          | 86          | 30.0 | 24.5              | 19.0            | 25.4            | 19.6            | 27.1            | 19.5            | 28.0            | 19.9 | 28.9            | 20.6 | 30.6            | 20.4 | 32.4            | 20.0 |
|                          | 104         | 40.0 | 22.2              | 17.9            | 23.0            | 18.5            | 24.6            | 18.4            | 25.3            | 18.8 | 26.1            | 19.5 | 27.7            | 19.3 | 29.3            | 19.0 |
|                          | 113         | 45.0 | 20.8              | 17.2            | 21.5            | 17.8            | 23.0            | 17.7            | 23.7            | 18.1 | 24.4            | 18.9 | 25.9            | 18.6 | 27.4            | 18.3 |

kcal/h = kW x 860, Btu/h = kW x 3,412

## 2. CAPACITY TABLES

R410A Data G2

### 2-4b. Heating capacity in combination with PQHY,PQRY-P200,250YGM, PQHY,PQRY-P400,500YSGM

PEFY-P-VML-E,VMH-E

SHC : Sensible Heat Capacity(kW)

| Model size<br>(Rated kW) | Water temp. |    | Indoor air temp. : °CDB |          |          |          |          |
|--------------------------|-------------|----|-------------------------|----------|----------|----------|----------|
|                          |             |    | 59 °FDB                 | 66 °FDB  | 68 °FDB  | 77 °FDB  | 81 °FDB  |
|                          | °F          | °C | 15.0°CDB                | 19.0°CDB | 20.0°CDB | 25.0°CDB | 27.0°CDB |
| 20<br>(2.2)              | 50          | 10 | 2.0                     | 2.0      | 2.0      | 1.7      | 1.5      |
|                          | 68          | 20 | 2.5                     | 2.5      | 2.5      | 2.1      | 1.9      |
|                          | 86          | 30 | 2.5                     | 2.5      | 2.5      | 2.1      | 1.9      |
|                          | 104         | 40 | 2.5                     | 2.5      | 2.5      | 2.1      | 1.9      |
|                          | 113         | 45 | 2.5                     | 2.5      | 2.5      | 2.1      | 1.9      |
| 25<br>(2.8)              | 50          | 10 | 2.5                     | 2.5      | 2.5      | 2.1      | 2.0      |
|                          | 68          | 20 | 3.2                     | 3.2      | 3.2      | 2.7      | 2.5      |
|                          | 86          | 30 | 3.2                     | 3.2      | 3.2      | 2.7      | 2.5      |
|                          | 104         | 40 | 3.2                     | 3.2      | 3.2      | 2.7      | 2.5      |
|                          | 113         | 45 | 3.2                     | 3.2      | 3.2      | 2.7      | 2.5      |
| 32<br>(3.6)              | 50          | 10 | 3.2                     | 3.2      | 3.2      | 2.7      | 2.4      |
|                          | 68          | 20 | 4.0                     | 4.0      | 4.0      | 3.4      | 3.1      |
|                          | 86          | 30 | 4.0                     | 4.0      | 4.0      | 3.4      | 3.1      |
|                          | 104         | 40 | 4.0                     | 4.0      | 4.0      | 3.4      | 3.1      |
|                          | 113         | 45 | 4.0                     | 4.0      | 4.0      | 3.4      | 3.1      |
| 40<br>(4.5)              | 50          | 10 | 4.0                     | 4.0      | 4.0      | 3.4      | 3.1      |
|                          | 68          | 20 | 5.0                     | 5.0      | 5.0      | 4.2      | 3.9      |
|                          | 86          | 30 | 5.0                     | 5.0      | 5.0      | 4.2      | 3.9      |
|                          | 104         | 40 | 5.0                     | 5.0      | 5.0      | 4.2      | 3.9      |
|                          | 113         | 45 | 5.0                     | 5.0      | 5.0      | 4.2      | 3.9      |
| 50<br>(5.6)              | 50          | 10 | 5.0                     | 5.0      | 5.0      | 4.2      | 3.9      |
|                          | 68          | 20 | 6.3                     | 6.3      | 6.3      | 5.3      | 4.9      |
|                          | 86          | 30 | 6.3                     | 6.3      | 6.3      | 5.3      | 4.9      |
|                          | 104         | 40 | 6.3                     | 6.3      | 6.3      | 5.3      | 4.9      |
|                          | 113         | 45 | 6.3                     | 6.3      | 6.3      | 5.3      | 4.9      |
| 63<br>(7.1)              | 50          | 10 | 6.3                     | 6.3      | 6.3      | 5.4      | 4.9      |
|                          | 68          | 20 | 8.0                     | 8.0      | 8.0      | 6.8      | 6.2      |
|                          | 86          | 30 | 8.0                     | 8.0      | 8.0      | 6.8      | 6.2      |
|                          | 104         | 40 | 8.0                     | 8.0      | 8.0      | 6.8      | 6.2      |
|                          | 113         | 45 | 8.0                     | 8.0      | 8.0      | 6.8      | 6.2      |
| 71<br>(8.0)              | 50          | 10 | 7.1                     | 7.1      | 7.1      | 6.0      | 5.5      |
|                          | 68          | 20 | 9.0                     | 9.0      | 9.0      | 7.6      | 7.0      |
|                          | 86          | 30 | 9.0                     | 9.0      | 9.0      | 7.6      | 7.0      |
|                          | 104         | 40 | 9.0                     | 9.0      | 9.0      | 7.6      | 7.0      |
|                          | 113         | 45 | 9.0                     | 9.0      | 9.0      | 7.6      | 7.0      |
| 80<br>(9.0)              | 50          | 10 | 7.9                     | 7.9      | 7.9      | 6.7      | 6.1      |
|                          | 68          | 20 | 10.0                    | 10.0     | 10.0     | 8.5      | 7.7      |
|                          | 86          | 30 | 10.0                    | 10.0     | 10.0     | 8.5      | 7.7      |
|                          | 104         | 40 | 10.0                    | 10.0     | 10.0     | 8.5      | 7.7      |
|                          | 113         | 45 | 10.0                    | 10.0     | 10.0     | 8.5      | 7.7      |
| 100<br>(11.2)            | 50          | 10 | 9.9                     | 9.9      | 9.9      | 8.4      | 7.7      |
|                          | 68          | 20 | 12.5                    | 12.5     | 12.5     | 10.6     | 9.7      |
|                          | 86          | 30 | 12.5                    | 12.5     | 12.5     | 10.6     | 9.7      |
|                          | 104         | 40 | 12.5                    | 12.5     | 12.5     | 10.6     | 9.7      |
|                          | 113         | 45 | 12.5                    | 12.5     | 12.5     | 10.6     | 9.7      |
| 125<br>(14.0)            | 50          | 10 | 12.7                    | 12.7     | 12.7     | 10.7     | 9.8      |
|                          | 68          | 20 | 16.0                    | 16.0     | 16.0     | 13.6     | 12.4     |
|                          | 86          | 30 | 16.0                    | 16.0     | 16.0     | 13.6     | 12.4     |
|                          | 104         | 40 | 16.0                    | 16.0     | 16.0     | 13.6     | 12.4     |
|                          | 113         | 45 | 16.0                    | 16.0     | 16.0     | 13.6     | 12.4     |
| 140<br>(16.0)            | 50          | 10 | 14.2                    | 14.2     | 14.2     | 12.1     | 11.0     |
|                          | 68          | 20 | 18.0                    | 18.0     | 18.0     | 15.3     | 13.9     |
|                          | 86          | 30 | 18.0                    | 18.0     | 18.0     | 15.3     | 13.9     |
|                          | 104         | 40 | 18.0                    | 18.0     | 18.0     | 15.3     | 13.9     |
|                          | 113         | 45 | 18.0                    | 18.0     | 18.0     | 15.3     | 13.9     |
| 200<br>(22.4)            | 50          | 10 | 19.8                    | 19.8     | 19.8     | 16.8     | 15.3     |
|                          | 68          | 20 | 25.0                    | 25.0     | 25.0     | 21.2     | 19.4     |
|                          | 86          | 30 | 25.0                    | 25.0     | 25.0     | 21.2     | 19.4     |
|                          | 104         | 40 | 25.0                    | 25.0     | 25.0     | 21.2     | 19.4     |
|                          | 113         | 45 | 25.0                    | 25.0     | 25.0     | 21.2     | 19.4     |
| 250<br>(28.0)            | 50          | 10 | 24.9                    | 24.9     | 24.9     | 21.2     | 19.3     |
|                          | 68          | 20 | 31.5                    | 31.5     | 31.5     | 26.7     | 24.4     |
|                          | 86          | 30 | 31.5                    | 31.5     | 31.5     | 26.7     | 24.4     |
|                          | 104         | 40 | 31.5                    | 31.5     | 31.5     | 26.7     | 24.4     |
|                          | 113         | 45 | 31.5                    | 31.5     | 31.5     | 26.7     | 24.4     |

kcal/h = kW x 860, Btu/h = kW x 3,412

## 2. CAPACITY TABLES

R410A Data G2

### 2-5a. Cooling capacity in combination with PUMY-P100,125,140YHM

PEFY-P-VML-E,VMH-E

CA : Capacity(kW) SHC : Sensible Heat Capacity(kW)

| Model size<br>(Rated kW) | Outdoor air temp. |      | Indoor air temp.  |     |                 |     |                 |     |                 |     |                 |     |                 |     |                 |     |
|--------------------------|-------------------|------|-------------------|-----|-----------------|-----|-----------------|-----|-----------------|-----|-----------------|-----|-----------------|-----|-----------------|-----|
|                          |                   |      | 71 °FDB / 59°FWB  |     | 73°FDB / 61°FWB |     | 77°FDB / 64°FWB |     | 81°FDB / 66°FWB |     | 82°FDB / 68°FWB |     | 86°FDB / 72°FWB |     | 90°FDB / 75°FWB |     |
|                          | °FDB              | °CDB | 21.5°CDB / 15°CWB |     | 23°CDB / 16°CWB |     | 25°CDB / 18°CWB |     | 27°CDB / 19°CWB |     | 28°CDB / 20°CWB |     | 30°CDB / 22°CWB |     | 32°CDB / 24°CWB |     |
|                          |                   |      | CA                | SHC | CA              | SHC | CA              | SHC | CA              | SHC | CA              | SHC | CA              | SHC | CA              | SHC |
| 20<br>(2.2)              | 68                | 20.0 | 2.1               | 1.8 | 2.2             | 1.8 | 2.3             | 1.9 | 2.4             | 2.0 | 2.4             | 2.0 | 2.6             | 2.0 | 2.7             | 2.0 |
|                          | 73                | 22.5 | 2.1               | 1.8 | 2.1             | 1.8 | 2.3             | 1.8 | 2.3             | 1.9 | 2.4             | 1.9 | 2.5             | 2.0 | 2.7             | 1.9 |
|                          | 77                | 25.0 | 2.0               | 1.7 | 2.1             | 1.8 | 2.2             | 1.8 | 2.3             | 1.9 | 2.4             | 1.9 | 2.5             | 1.9 | 2.6             | 1.9 |
|                          | 82                | 27.5 | 2.0               | 1.7 | 2.1             | 1.8 | 2.2             | 1.8 | 2.3             | 1.9 | 2.3             | 1.9 | 2.5             | 1.9 | 2.6             | 1.9 |
|                          | 86                | 30.0 | 2.0               | 1.7 | 2.0             | 1.7 | 2.2             | 1.8 | 2.2             | 1.9 | 2.3             | 1.9 | 2.4             | 1.9 | 2.6             | 1.9 |
|                          | 91                | 32.5 | 1.9               | 1.7 | 2.0             | 1.7 | 2.1             | 1.7 | 2.2             | 1.8 | 2.3             | 1.9 | 2.4             | 1.9 | 2.6             | 1.9 |
|                          | 95                | 35.0 | 1.9               | 1.6 | 2.0             | 1.7 | 2.1             | 1.7 | 2.2             | 1.8 | 2.2             | 1.8 | 2.4             | 1.8 | 2.5             | 1.9 |
|                          | 100               | 37.5 | 1.9               | 1.6 | 1.9             | 1.6 | 2.1             | 1.7 | 2.1             | 1.8 | 2.2             | 1.8 | 2.4             | 1.8 | 2.5             | 1.8 |
|                          | 104               | 40.0 | 1.8               | 1.6 | 1.9             | 1.6 | 2.0             | 1.7 | 2.1             | 1.8 | 2.2             | 1.8 | 2.3             | 1.8 | 2.5             | 1.8 |
| 110                      | 43.0              | 1.8  | 1.5               | 1.8 | 1.6             | 2.0 | 1.6             | 2.1 | 1.7             | 2.1 | 1.7             | 2.3 | 1.8             | 2.4 | 1.8             |     |
| 25<br>(2.8)              | 68                | 20.0 | 2.7               | 2.1 | 2.7             | 2.2 | 2.9             | 2.2 | 3.0             | 2.3 | 3.1             | 2.3 | 3.2             | 2.3 | 3.4             | 2.3 |
|                          | 73                | 22.5 | 2.6               | 2.1 | 2.7             | 2.1 | 2.9             | 2.1 | 3.0             | 2.3 | 3.0             | 2.3 | 3.2             | 2.3 | 3.4             | 2.2 |
|                          | 77                | 25.0 | 2.6               | 2.0 | 2.7             | 2.1 | 2.8             | 2.1 | 2.9             | 2.2 | 3.0             | 2.2 | 3.2             | 2.2 | 3.3             | 2.2 |
|                          | 82                | 27.5 | 2.6               | 2.0 | 2.6             | 2.1 | 2.8             | 2.1 | 2.9             | 2.2 | 3.0             | 2.2 | 3.1             | 2.2 | 3.3             | 2.2 |
|                          | 86                | 30.0 | 2.5               | 2.0 | 2.6             | 2.0 | 2.8             | 2.1 | 2.9             | 2.2 | 2.9             | 2.2 | 3.1             | 2.2 | 3.3             | 2.2 |
|                          | 91                | 32.5 | 2.5               | 1.9 | 2.6             | 2.0 | 2.7             | 2.0 | 2.8             | 2.1 | 2.9             | 2.2 | 3.1             | 2.2 | 3.2             | 2.2 |
|                          | 95                | 35.0 | 2.4               | 1.9 | 2.5             | 2.0 | 2.7             | 2.0 | 2.8             | 2.1 | 2.9             | 2.1 | 3.0             | 2.1 | 3.2             | 2.1 |
|                          | 100               | 37.5 | 2.4               | 1.9 | 2.5             | 1.9 | 2.6             | 2.0 | 2.7             | 2.1 | 2.8             | 2.1 | 3.0             | 2.1 | 3.2             | 2.1 |
|                          | 104               | 40.0 | 2.3               | 1.8 | 2.4             | 1.9 | 2.6             | 1.9 | 2.7             | 2.1 | 2.8             | 2.1 | 3.0             | 2.1 | 3.2             | 2.1 |
| 110                      | 43.0              | 2.3  | 1.8               | 2.4 | 1.8             | 2.5 | 1.9             | 2.6 | 2.0             | 2.7 | 2.0             | 2.9 | 2.1             | 3.1 | 2.1             |     |
| 32<br>(3.6)              | 68                | 20.0 | 3.4               | 2.6 | 3.5             | 2.7 | 3.7             | 2.7 | 3.9             | 2.8 | 4.0             | 2.8 | 4.2             | 2.8 | 4.4             | 2.8 |
|                          | 73                | 22.5 | 3.4               | 2.5 | 3.5             | 2.6 | 3.7             | 2.6 | 3.8             | 2.8 | 3.9             | 2.8 | 4.1             | 2.8 | 4.3             | 2.8 |
|                          | 77                | 25.0 | 3.3               | 2.5 | 3.4             | 2.6 | 3.7             | 2.6 | 3.8             | 2.8 | 3.9             | 2.8 | 4.1             | 2.8 | 4.3             | 2.7 |
|                          | 82                | 27.5 | 3.3               | 2.5 | 3.4             | 2.6 | 3.6             | 2.6 | 3.7             | 2.7 | 3.8             | 2.7 | 4.0             | 2.7 | 4.3             | 2.7 |
|                          | 86                | 30.0 | 3.2               | 2.4 | 3.3             | 2.5 | 3.6             | 2.5 | 3.7             | 2.7 | 3.8             | 2.7 | 4.0             | 2.7 | 4.2             | 2.7 |
|                          | 91                | 32.5 | 3.2               | 2.4 | 3.3             | 2.5 | 3.5             | 2.5 | 3.6             | 2.7 | 3.7             | 2.7 | 4.0             | 2.7 | 4.2             | 2.6 |
|                          | 95                | 35.0 | 3.1               | 2.3 | 3.2             | 2.4 | 3.5             | 2.5 | 3.6             | 2.6 | 3.7             | 2.6 | 3.9             | 2.6 | 4.1             | 2.6 |
|                          | 100               | 37.5 | 3.0               | 2.3 | 3.2             | 2.4 | 3.4             | 2.4 | 3.5             | 2.6 | 3.6             | 2.6 | 3.9             | 2.6 | 4.1             | 2.6 |
|                          | 104               | 40.0 | 3.0               | 2.2 | 3.1             | 2.3 | 3.3             | 2.4 | 3.5             | 2.5 | 3.6             | 2.6 | 3.8             | 2.6 | 4.1             | 2.6 |
| 110                      | 43.0              | 2.9  | 2.2               | 3.0 | 2.3             | 3.3 | 2.3             | 3.4 | 2.5             | 3.5 | 2.5             | 3.7 | 2.5             | 4.0 | 2.5             |     |
| 40<br>(4.5)              | 68                | 20.0 | 4.3               | 3.2 | 4.4             | 3.3 | 4.7             | 3.3 | 4.8             | 3.5 | 5.0             | 3.5 | 5.2             | 3.4 | 5.5             | 3.4 |
|                          | 73                | 22.5 | 4.2               | 3.1 | 4.4             | 3.2 | 4.6             | 3.2 | 4.8             | 3.4 | 4.9             | 3.4 | 5.2             | 3.4 | 5.4             | 3.4 |
|                          | 77                | 25.0 | 4.2               | 3.1 | 4.3             | 3.2 | 4.6             | 3.2 | 4.7             | 3.4 | 4.8             | 3.4 | 5.1             | 3.4 | 5.4             | 3.3 |
|                          | 82                | 27.5 | 4.1               | 3.0 | 4.2             | 3.1 | 4.5             | 3.2 | 4.6             | 3.3 | 4.8             | 3.3 | 5.1             | 3.3 | 5.3             | 3.3 |
|                          | 86                | 30.0 | 4.1               | 3.0 | 4.2             | 3.1 | 4.5             | 3.1 | 4.6             | 3.3 | 4.7             | 3.3 | 5.0             | 3.3 | 5.3             | 3.3 |
|                          | 91                | 32.5 | 4.0               | 2.9 | 4.1             | 3.0 | 4.4             | 3.1 | 4.5             | 3.3 | 4.7             | 3.3 | 4.9             | 3.3 | 5.2             | 3.2 |
|                          | 95                | 35.0 | 3.9               | 2.9 | 4.0             | 3.0 | 4.3             | 3.0 | 4.5             | 3.2 | 4.6             | 3.2 | 4.9             | 3.2 | 5.2             | 3.2 |
|                          | 100               | 37.5 | 3.8               | 2.8 | 3.9             | 2.9 | 4.2             | 3.0 | 4.4             | 3.2 | 4.5             | 3.2 | 4.8             | 3.2 | 5.1             | 3.2 |
|                          | 104               | 40.0 | 3.7               | 2.8 | 3.9             | 2.9 | 4.2             | 2.9 | 4.3             | 3.1 | 4.5             | 3.1 | 4.8             | 3.1 | 5.1             | 3.1 |
| 110                      | 43.0              | 3.6  | 2.7               | 3.8 | 2.8             | 4.1 | 2.9             | 4.2 | 3.0             | 4.4 | 3.1             | 4.7 | 3.1             | 5.0 | 3.1             |     |
| 50<br>(5.6)              | 68                | 20.0 | 5.3               | 3.7 | 5.5             | 3.8 | 5.8             | 3.8 | 6.0             | 4.0 | 6.2             | 4.0 | 6.5             | 4.0 | 6.8             | 3.9 |
|                          | 73                | 22.5 | 5.3               | 3.6 | 5.4             | 3.7 | 5.8             | 3.7 | 5.9             | 4.0 | 6.1             | 4.0 | 6.4             | 3.9 | 6.8             | 3.8 |
|                          | 77                | 25.0 | 5.2               | 3.6 | 5.3             | 3.7 | 5.7             | 3.7 | 5.9             | 3.9 | 6.0             | 3.9 | 6.4             | 3.9 | 6.7             | 3.8 |
|                          | 82                | 27.5 | 5.1               | 3.5 | 5.3             | 3.6 | 5.6             | 3.6 | 5.8             | 3.9 | 6.0             | 3.9 | 6.3             | 3.8 | 6.6             | 3.8 |
|                          | 86                | 30.0 | 5.0               | 3.5 | 5.2             | 3.6 | 5.5             | 3.6 | 5.7             | 3.8 | 5.9             | 3.8 | 6.2             | 3.8 | 6.6             | 3.7 |
|                          | 91                | 32.5 | 4.9               | 3.4 | 5.1             | 3.5 | 5.5             | 3.5 | 5.6             | 3.8 | 5.8             | 3.8 | 6.1             | 3.7 | 6.5             | 3.7 |
|                          | 95                | 35.0 | 4.8               | 3.3 | 5.0             | 3.5 | 5.4             | 3.5 | 5.5             | 3.7 | 5.7             | 3.7 | 6.1             | 3.7 | 6.4             | 3.7 |
|                          | 100               | 37.5 | 4.7               | 3.3 | 4.9             | 3.4 | 5.3             | 3.4 | 5.5             | 3.7 | 5.6             | 3.7 | 6.0             | 3.7 | 6.4             | 3.6 |
|                          | 104               | 40.0 | 4.6               | 3.2 | 4.8             | 3.3 | 5.2             | 3.4 | 5.4             | 3.6 | 5.6             | 3.6 | 5.9             | 3.6 | 6.3             | 3.6 |
| 110                      | 43.0              | 4.5  | 3.1               | 4.7 | 3.2             | 5.1 | 3.3             | 5.3 | 3.5             | 5.5 | 3.5             | 5.8 | 3.5             | 6.2 | 3.5             |     |
| 63<br>(7.1)              | 68                | 20.0 | 6.7               | 4.8 | 7.0             | 5.0 | 7.4             | 5.0 | 7.6             | 5.3 | 7.8             | 5.3 | 8.2             | 5.3 | 8.7             | 5.2 |
|                          | 73                | 22.5 | 6.7               | 4.8 | 6.9             | 4.9 | 7.3             | 5.0 | 7.5             | 5.2 | 7.7             | 5.2 | 8.1             | 5.2 | 8.6             | 5.1 |
|                          | 77                | 25.0 | 6.6               | 4.7 | 6.8             | 4.9 | 7.2             | 4.9 | 7.4             | 5.2 | 7.6             | 5.2 | 8.1             | 5.1 | 8.5             | 5.1 |
|                          | 82                | 27.5 | 6.5               | 4.7 | 6.7             | 4.8 | 7.1             | 4.8 | 7.3             | 5.1 | 7.5             | 5.1 | 8.0             | 5.1 | 8.4             | 5.0 |
|                          | 86                | 30.0 | 6.4               | 4.6 | 6.6             | 4.7 | 7.0             | 4.8 | 7.2             | 5.1 | 7.5             | 5.1 | 7.9             | 5.0 | 8.3             | 5.0 |
|                          | 91                | 32.5 | 6.3               | 4.5 | 6.5             | 4.7 | 6.9             | 4.7 | 7.1             | 5.0 | 7.4             | 5.0 | 7.8             | 5.0 | 8.2             | 4.9 |
|                          | 95                | 35.0 | 6.1               | 4.4 | 6.4             | 4.6 | 6.8             | 4.6 | 7.0             | 4.9 | 7.3             | 4.9 | 7.7             | 4.9 | 8.2             | 4.9 |
|                          | 100               | 37.5 | 6.0               | 4.3 | 6.2             | 4.5 | 6.7             | 4.5 | 6.9             | 4.8 | 7.2             | 4.9 | 7.6             | 4.9 | 8.1             | 4.8 |
|                          | 104               | 40.0 | 5.9               | 4.2 | 6.1             | 4.4 | 6.6             | 4.5 | 6.8             | 4.8 | 7.1             | 4.8 | 7.5             | 4.8 | 8.0             | 4.8 |
| 110                      | 43.0              | 5.7  | 4.1               | 6.0 | 4.3             | 6.4 | 4.4             | 6.7 | 4.7             | 6.9 | 4.7             | 7.4 | 4.7             | 7.9 | 4.7             |     |
| 71<br>(8.0)              | 68                | 20.0 | 7.6               | 5.4 | 7.8             | 5.6 | 8.3             | 5.6 | 8.6             | 5.9 | 8.8             | 5.9 | 9.3             | 5.9 | 9.8             | 5.8 |
|                          | 73                | 22.5 | 7.5               | 5.3 | 7.7             | 5.5 | 8.2             | 5.5 | 8.5             | 5.9 | 8.7             | 5.8 | 9.2             | 5.8 | 9.7             | 5.7 |
|                          | 77                | 25.0 | 7.4               | 5.3 | 7.6             | 5.4 | 8.1             | 5.5 | 8.4             | 5.8 | 8.6             | 5.8 | 9.1             | 5.7 | 9.6             | 5.7 |
|                          | 82                | 27.5 | 7.3               | 5.2 | 7.5             | 5.4 | 8.0             | 5.4 | 8.3             | 5.7 | 8.5             | 5.7 | 9.0             | 5.7 | 9.5             | 5.6 |
|                          | 86                | 30.0 | 7.2               | 5.1 | 7.4             | 5.3 | 7.9             | 5.3 | 8.2             | 5.6 | 8.4             | 5.6 | 8.9             | 5.6 | 9.4             | 5.5 |
|                          | 91                | 32.5 | 7.1               | 5.0 | 7.3             | 5.2 | 7.8             | 5.2 | 8.0             | 5.6 | 8.3             | 5.6 | 8.8             | 5.5 | 9.3             | 5.5 |
|                          | 95                | 35.0 | 6.9               | 4.9 | 7.2             | 5.1 | 7.7             | 5.2 | 7.9             | 5.5 | 8.2             | 5.5 | 8.7             | 5.5 | 9.2             | 5.4 |
|                          | 100               | 37.5 | 6.8               | 4.8 | 7.0             | 5.0 | 7.5             | 5.1 | 7.8             | 5.4 | 8.1             | 5.4 | 8.6             | 5.4 | 9.1             | 5.4 |
|                          | 104               | 40.0 | 6.6               | 4.7 | 6.9             | 4.9 | 7.4             | 5.0 | 7.7             | 5.3 | 7.9             | 5.3 | 8.5             | 5.4 | 9.0             | 5.3 |
| 110                      | 43.0              | 6.5  | 4.6               | 6.7 | 4.8             | 7.3 | 4.9             | 7.5 | 5.2             | 7.8 | 5.2             | 8.3 | 5.3             | 8.9 | 5.2             |     |

kcal/h = kW x 860, Btu/h = kW x 3,412

## 2. CAPACITY TABLES

R410A Data G2

### 2-5a. Cooling capacity in combination with PUMY-P100,125,140YHM

PEFY-P-VML-E,VMH-E

CA : Capacity(kW) SHC : Sensible Heat Capacity(kW)

| Model size<br>(Rated kW) | Outdoor air temp. |      | Indoor air temp.  |      |                 |      |                 |      |                 |      |                 |      |                 |      |                 |      |
|--------------------------|-------------------|------|-------------------|------|-----------------|------|-----------------|------|-----------------|------|-----------------|------|-----------------|------|-----------------|------|
|                          |                   |      | 71 °FDB / 59°FWB  |      | 73°FDB / 61°FWB |      | 77°FDB / 64°FWB |      | 81°FDB / 66°FWB |      | 82°FDB / 68°FWB |      | 86°FDB / 72°FWB |      | 90°FDB / 75°FWB |      |
|                          |                   |      | 21.5°CDB / 15°CWB |      | 23°CDB / 16°CWB |      | 25°CDB / 18°CWB |      | 27°CDB / 19°CWB |      | 28°CDB / 20°CWB |      | 30°CDB / 22°CWB |      | 32°CDB / 24°CWB |      |
|                          | °FDB              | °CDB | CA                | SHC  | CA              | SHC  | CA              | SHC  | CA              | SHC  | CA              | SHC  | CA              | SHC  | CA              | SHC  |
| 80<br>(9.0)              | 68                | 20.0 | 8.6               | 6.1  | 8.8             | 6.3  | 9.4             | 6.3  | 9.6             | 6.7  | 9.9             | 6.7  | 10.4            | 6.7  | 11.0            | 6.6  |
|                          | 73                | 22.5 | 8.4               | 6.0  | 8.7             | 6.2  | 9.2             | 6.3  | 9.5             | 6.6  | 9.8             | 6.6  | 10.3            | 6.6  | 10.9            | 6.5  |
|                          | 77                | 25.0 | 8.3               | 6.0  | 8.6             | 6.2  | 9.1             | 6.2  | 9.4             | 6.6  | 9.7             | 6.5  | 10.2            | 6.5  | 10.8            | 6.4  |
|                          | 82                | 27.5 | 8.2               | 5.9  | 8.5             | 6.1  | 9.0             | 6.1  | 9.3             | 6.5  | 9.6             | 6.5  | 10.1            | 6.4  | 10.6            | 6.4  |
|                          | 86                | 30.0 | 8.1               | 5.8  | 8.4             | 6.0  | 8.9             | 6.0  | 9.2             | 6.4  | 9.5             | 6.4  | 10.0            | 6.4  | 10.5            | 6.3  |
|                          | 91                | 32.5 | 7.9               | 5.7  | 8.2             | 5.9  | 8.8             | 5.9  | 9.0             | 6.3  | 9.3             | 6.3  | 9.9             | 6.3  | 10.4            | 6.2  |
|                          | 95                | 35.0 | 7.8               | 5.6  | 8.1             | 5.8  | 8.6             | 5.8  | 8.9             | 6.2  | 9.2             | 6.2  | 9.8             | 6.2  | 10.3            | 6.2  |
|                          | 100               | 37.5 | 7.6               | 5.5  | 7.9             | 5.7  | 8.5             | 5.7  | 8.8             | 6.1  | 9.1             | 6.1  | 9.7             | 6.1  | 10.2            | 6.1  |
|                          | 104               | 40.0 | 7.4               | 5.3  | 7.7             | 5.5  | 8.3             | 5.6  | 8.6             | 6.0  | 8.9             | 6.1  | 9.5             | 6.1  | 10.1            | 6.1  |
| 110                      | 43.0              | 7.3  | 5.2               | 7.6  | 5.4             | 8.2  | 5.5             | 8.5  | 5.9             | 8.8  | 5.9             | 9.4  | 6.0             | 10.0 | 5.9             |      |
| 100<br>(11.2)            | 68                | 20.0 | 10.6              | 8.4  | 11.0            | 8.6  | 11.6            | 8.7  | 12.0            | 9.2  | 12.3            | 9.2  | 13.0            | 9.2  | 13.7            | 9.1  |
|                          | 73                | 22.5 | 10.5              | 8.2  | 10.8            | 8.5  | 11.5            | 8.6  | 11.8            | 9.1  | 12.2            | 9.1  | 12.9            | 9.1  | 13.5            | 9.0  |
|                          | 77                | 25.0 | 10.4              | 8.1  | 10.7            | 8.4  | 11.4            | 8.5  | 11.7            | 9.0  | 12.0            | 9.0  | 12.7            | 9.0  | 13.4            | 8.9  |
|                          | 82                | 27.5 | 10.2              | 8.0  | 10.6            | 8.3  | 11.2            | 8.4  | 11.6            | 8.8  | 11.9            | 8.9  | 12.6            | 8.9  | 13.2            | 8.8  |
|                          | 86                | 30.0 | 10.1              | 7.9  | 10.4            | 8.2  | 11.1            | 8.3  | 11.4            | 8.7  | 11.8            | 8.8  | 12.4            | 8.8  | 13.1            | 8.7  |
|                          | 91                | 32.5 | 9.9               | 7.8  | 10.2            | 8.0  | 10.9            | 8.1  | 11.3            | 8.6  | 11.6            | 8.6  | 12.3            | 8.7  | 13.0            | 8.6  |
|                          | 95                | 35.0 | 9.7               | 7.6  | 10.0            | 7.9  | 10.7            | 8.0  | 11.1            | 8.5  | 11.4            | 8.5  | 12.2            | 8.6  | 12.9            | 8.6  |
|                          | 100               | 37.5 | 9.5               | 7.4  | 9.8             | 7.7  | 10.6            | 7.9  | 10.9            | 8.4  | 11.3            | 8.4  | 12.0            | 8.5  | 12.7            | 8.5  |
|                          | 104               | 40.0 | 9.3               | 7.3  | 9.6             | 7.6  | 10.4            | 7.7  | 10.8            | 8.2  | 11.1            | 8.3  | 11.9            | 8.4  | 12.6            | 8.4  |
| 110                      | 43.0              | 9.0  | 7.1               | 9.4  | 7.4             | 10.2 | 7.6             | 10.5 | 8.1             | 10.9 | 8.1             | 11.6 | 8.2             | 12.4 | 8.2             |      |
| 125<br>(14.0)            | 68                | 20.0 | 13.3              | 9.5  | 13.7            | 9.8  | 14.6            | 9.8  | 15.0            | 10.4 | 15.4            | 10.4 | 16.2            | 10.3 | 17.1            | 10.1 |
|                          | 73                | 22.5 | 13.1              | 9.4  | 13.5            | 9.7  | 14.4            | 9.7  | 14.8            | 10.3 | 15.2            | 10.3 | 16.1            | 10.2 | 16.9            | 10.0 |
|                          | 77                | 25.0 | 13.0              | 9.2  | 13.4            | 9.5  | 14.2            | 9.6  | 14.6            | 10.2 | 15.1            | 10.1 | 15.9            | 10.1 | 16.7            | 9.9  |
|                          | 82                | 27.5 | 12.8              | 9.1  | 13.2            | 9.4  | 14.0            | 9.5  | 14.5            | 10.0 | 14.9            | 10.0 | 15.7            | 10.0 | 16.6            | 9.8  |
|                          | 86                | 30.0 | 12.6              | 9.0  | 13.0            | 9.3  | 13.9            | 9.3  | 14.3            | 9.9  | 14.7            | 9.9  | 15.5            | 9.9  | 16.4            | 9.7  |
|                          | 91                | 32.5 | 12.3              | 8.8  | 12.8            | 9.1  | 13.6            | 9.2  | 14.1            | 9.8  | 14.5            | 9.8  | 15.4            | 9.7  | 16.2            | 9.6  |
|                          | 95                | 35.0 | 12.1              | 8.6  | 12.5            | 8.9  | 13.4            | 9.0  | 13.9            | 9.6  | 14.3            | 9.6  | 15.2            | 9.6  | 16.1            | 9.5  |
|                          | 100               | 37.5 | 11.8              | 8.4  | 12.3            | 8.8  | 13.2            | 8.9  | 13.7            | 9.5  | 14.1            | 9.5  | 15.0            | 9.5  | 15.9            | 9.5  |
|                          | 104               | 40.0 | 11.6              | 8.3  | 12.0            | 8.6  | 13.0            | 8.7  | 13.4            | 9.3  | 13.9            | 9.4  | 14.8            | 9.4  | 15.8            | 9.4  |
| 110                      | 43.0              | 11.3 | 8.1               | 11.8 | 8.4             | 12.7 | 8.6             | 13.2 | 9.1             | 13.6 | 9.2             | 14.6 | 9.2             | 15.5 | 9.2             |      |
| 140<br>(16.0)            | 68                | 20.0 | 14.7              | 10.5 | 15.2            | 10.8 | 16.1            | 10.9 | 16.6            | 11.5 | 17.1            | 11.5 | 18.0            | 11.4 | 18.9            | 11.2 |
|                          | 73                | 22.5 | 14.5              | 10.4 | 15.0            | 10.7 | 15.9            | 10.7 | 16.4            | 11.4 | 16.9            | 11.4 | 17.8            | 11.3 | 18.7            | 11.1 |
|                          | 77                | 25.0 | 14.3              | 10.2 | 14.8            | 10.6 | 15.7            | 10.6 | 16.2            | 11.2 | 16.7            | 11.2 | 17.6            | 11.2 | 18.5            | 11.0 |
|                          | 82                | 27.5 | 14.1              | 10.1 | 14.6            | 10.4 | 15.5            | 10.5 | 16.0            | 11.1 | 16.5            | 11.1 | 17.4            | 11.0 | 18.3            | 10.9 |
|                          | 86                | 30.0 | 14.0              | 10.0 | 14.4            | 10.3 | 15.3            | 10.3 | 15.8            | 11.0 | 16.3            | 11.0 | 17.2            | 10.9 | 18.1            | 10.8 |
|                          | 91                | 32.5 | 13.7              | 9.8  | 14.1            | 10.1 | 15.1            | 10.2 | 15.6            | 10.8 | 16.1            | 10.8 | 17.0            | 10.8 | 18.0            | 10.7 |
|                          | 95                | 35.0 | 13.4              | 9.6  | 13.9            | 9.9  | 14.9            | 10.0 | 15.3            | 10.6 | 15.8            | 10.7 | 16.8            | 10.7 | 17.8            | 10.6 |
|                          | 100               | 37.5 | 13.1              | 9.4  | 13.6            | 9.7  | 14.6            | 9.8  | 15.1            | 10.5 | 15.6            | 10.5 | 16.6            | 10.5 | 17.6            | 10.5 |
|                          | 104               | 40.0 | 12.8              | 9.1  | 13.3            | 9.5  | 14.4            | 9.7  | 14.9            | 10.3 | 15.4            | 10.4 | 16.4            | 10.4 | 17.5            | 10.4 |
| 110                      | 43.0              | 12.5 | 8.9               | 13.0 | 9.3             | 14.1 | 9.5             | 14.6 | 10.1            | 15.1 | 10.2            | 16.1 | 10.2            | 17.2 | 10.2            |      |

kcal/h = kW x 860, Btu/h = kW x 3,412

## 2. CAPACITY TABLES

R410A Data G2

### 2-5b. Heating capacity in combination with PUMY-P100,125,140YHM

PEFY-P-VML-E,VMH-E

SHC : Sensible Heat Capacity(kW)

| Model size<br>(Rated kW) | Outdoor air temp. |       | Indoor air temp.    |                     |                     |                     |
|--------------------------|-------------------|-------|---------------------|---------------------|---------------------|---------------------|
|                          |                   |       | 59 °FDB<br>15.0°CDB | 68 °FDB<br>20.0°CDB | 77 °FDB<br>25.0°CDB | 81 °FDB<br>27.0°CDB |
|                          | °FWB              | °CWB  | SHC                 | SHC                 | SHC                 | SHC                 |
| 20<br>(2.2)              | -4                | -20.0 | 1.6                 | 1.6                 | 1.5                 | 1.5                 |
|                          | 5                 | -15.0 | 1.8                 | 1.7                 | 1.6                 | 1.6                 |
|                          | 14                | -10.0 | 1.9                 | 1.8                 | 1.8                 | 1.8                 |
|                          | 23                | -5.0  | 2.1                 | 2.1                 | 2.0                 | 2.0                 |
|                          | 32                | 0.0   | 2.4                 | 2.3                 | 2.2                 | 2.2                 |
|                          | 37                | 2.5   | 2.5                 | 2.4                 | 2.3                 | 2.3                 |
|                          | 43                | 6.0   | 2.6                 | 2.5                 | 2.5                 | 2.4                 |
|                          | 46                | 7.5   | 2.7                 | 2.7                 | 2.5                 | 2.4                 |
|                          | 50                | 10.0  | 2.8                 | 2.8                 | 2.5                 | 2.4                 |
|                          | 55                | 12.5  | 3.0                 | 2.9                 | 2.5                 | 2.4                 |
|                          | 60                | 15.5  | 3.0                 | 2.9                 | 2.5                 | 2.4                 |
| 25<br>(2.8)              | -4                | -20.0 | 2.1                 | 2.0                 | 1.9                 | 1.9                 |
|                          | 5                 | -15.0 | 2.2                 | 2.1                 | 2.1                 | 2.0                 |
|                          | 14                | -10.0 | 2.4                 | 2.3                 | 2.3                 | 2.2                 |
|                          | 23                | -5.0  | 2.7                 | 2.7                 | 2.5                 | 2.5                 |
|                          | 32                | 0.0   | 3.0                 | 2.9                 | 2.8                 | 2.8                 |
|                          | 37                | 2.5   | 3.2                 | 3.1                 | 3.0                 | 2.9                 |
|                          | 43                | 6.0   | 3.3                 | 3.2                 | 3.2                 | 3.1                 |
|                          | 46                | 7.5   | 3.5                 | 3.4                 | 3.2                 | 3.1                 |
|                          | 50                | 10.0  | 3.6                 | 3.5                 | 3.2                 | 3.1                 |
|                          | 55                | 12.5  | 3.8                 | 3.7                 | 3.2                 | 3.1                 |
|                          | 60                | 15.5  | 3.9                 | 3.7                 | 3.2                 | 3.1                 |
| 32<br>(3.6)              | -4                | -20.0 | 2.6                 | 2.5                 | 2.4                 | 2.4                 |
|                          | 5                 | -15.0 | 2.8                 | 2.7                 | 2.6                 | 2.6                 |
|                          | 14                | -10.0 | 3.0                 | 2.9                 | 2.8                 | 2.8                 |
|                          | 23                | -5.0  | 3.4                 | 3.3                 | 3.2                 | 3.1                 |
|                          | 32                | 0.0   | 3.8                 | 3.7                 | 3.5                 | 3.5                 |
|                          | 37                | 2.5   | 4.0                 | 3.8                 | 3.7                 | 3.7                 |
|                          | 43                | 6.0   | 4.1                 | 4.0                 | 4.0                 | 3.9                 |
|                          | 46                | 7.5   | 4.3                 | 4.2                 | 4.0                 | 3.9                 |
|                          | 50                | 10.0  | 4.5                 | 4.4                 | 4.0                 | 3.9                 |
|                          | 55                | 12.5  | 4.7                 | 4.6                 | 4.0                 | 3.9                 |
|                          | 60                | 15.5  | 4.8                 | 4.6                 | 4.0                 | 3.9                 |
| 40<br>(4.5)              | -4                | -20.0 | 3.3                 | 3.2                 | 3.0                 | 3.0                 |
|                          | 5                 | -15.0 | 3.5                 | 3.4                 | 3.3                 | 3.2                 |
|                          | 14                | -10.0 | 3.8                 | 3.7                 | 3.6                 | 3.5                 |
|                          | 23                | -5.0  | 4.3                 | 4.2                 | 4.0                 | 3.9                 |
|                          | 32                | 0.0   | 4.7                 | 4.6                 | 4.4                 | 4.4                 |
|                          | 37                | 2.5   | 5.0                 | 4.8                 | 4.7                 | 4.6                 |
|                          | 43                | 6.0   | 5.1                 | 5.0                 | 5.0                 | 4.9                 |
|                          | 46                | 7.5   | 5.4                 | 5.3                 | 5.0                 | 4.9                 |
|                          | 50                | 10.0  | 5.7                 | 5.5                 | 5.0                 | 4.9                 |
|                          | 55                | 12.5  | 5.9                 | 5.8                 | 5.0                 | 4.9                 |
|                          | 60                | 15.5  | 6.1                 | 5.8                 | 5.0                 | 4.9                 |
| 50<br>(5.6)              | -4                | -20.0 | 4.1                 | 4.0                 | 3.8                 | 3.7                 |
|                          | 5                 | -15.0 | 4.4                 | 4.2                 | 4.1                 | 4.0                 |
|                          | 14                | -10.0 | 4.7                 | 4.6                 | 4.5                 | 4.4                 |
|                          | 23                | -5.0  | 5.4                 | 5.2                 | 5.0                 | 4.9                 |
|                          | 32                | 0.0   | 5.9                 | 5.8                 | 5.5                 | 5.5                 |
|                          | 37                | 2.5   | 6.2                 | 6.0                 | 5.9                 | 5.8                 |
|                          | 43                | 6.0   | 6.4                 | 6.3                 | 6.2                 | 6.1                 |
|                          | 46                | 7.5   | 6.8                 | 6.7                 | 6.2                 | 6.1                 |
|                          | 50                | 10.0  | 7.1                 | 6.9                 | 6.2                 | 6.1                 |
|                          | 55                | 12.5  | 7.4                 | 7.2                 | 6.2                 | 6.1                 |
|                          | 60                | 15.5  | 7.6                 | 7.2                 | 6.2                 | 6.1                 |
| 63<br>(7.1)              | -4                | -20.0 | 5.2                 | 5.0                 | 4.8                 | 4.7                 |
|                          | 5                 | -15.0 | 5.6                 | 5.4                 | 5.2                 | 5.1                 |
|                          | 14                | -10.0 | 6.0                 | 5.8                 | 5.7                 | 5.6                 |
|                          | 23                | -5.0  | 6.8                 | 6.6                 | 6.3                 | 6.2                 |
|                          | 32                | 0.0   | 7.5                 | 7.4                 | 7.0                 | 7.0                 |
|                          | 37                | 2.5   | 7.9                 | 7.7                 | 7.4                 | 7.4                 |
|                          | 43                | 6.0   | 8.2                 | 8.0                 | 7.9                 | 7.8                 |
|                          | 46                | 7.5   | 8.6                 | 8.5                 | 7.9                 | 7.8                 |
|                          | 50                | 10.0  | 9.0                 | 8.8                 | 7.9                 | 7.8                 |
|                          | 55                | 12.5  | 9.4                 | 9.2                 | 7.9                 | 7.8                 |
|                          | 60                | 15.5  | 9.7                 | 9.2                 | 7.9                 | 7.8                 |
| 71<br>(8.0)              | -4                | -20.0 | 5.9                 | 5.7                 | 5.4                 | 5.3                 |
|                          | 5                 | -15.0 | 6.3                 | 6.0                 | 5.9                 | 5.8                 |
|                          | 14                | -10.0 | 6.8                 | 6.6                 | 6.4                 | 6.3                 |
|                          | 23                | -5.0  | 7.7                 | 7.5                 | 7.1                 | 7.0                 |
|                          | 32                | 0.0   | 8.5                 | 8.3                 | 7.9                 | 7.8                 |
|                          | 37                | 2.5   | 8.9                 | 8.6                 | 8.4                 | 8.3                 |
|                          | 43                | 6.0   | 9.2                 | 9.0                 | 8.9                 | 8.7                 |
|                          | 46                | 7.5   | 9.7                 | 9.5                 | 8.9                 | 8.7                 |
|                          | 50                | 10.0  | 10.2                | 9.9                 | 8.9                 | 8.7                 |
|                          | 55                | 12.5  | 10.6                | 10.4                | 8.9                 | 8.7                 |
|                          | 60                | 15.5  | 10.9                | 10.4                | 8.9                 | 8.7                 |

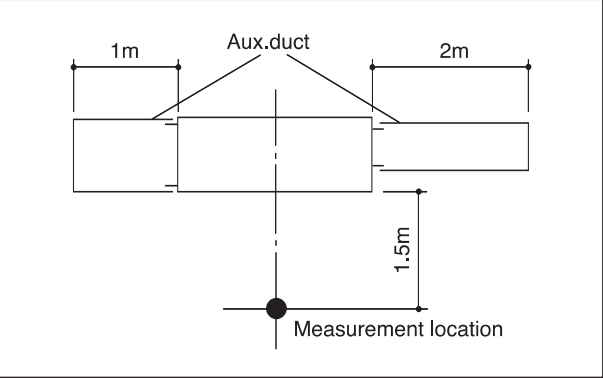
| Model size<br>(Rated kW) | Outdoor air temp. |       | Indoor air temp.    |                     |                     |                     |
|--------------------------|-------------------|-------|---------------------|---------------------|---------------------|---------------------|
|                          |                   |       | 59 °FDB<br>15.0°CDB | 68 °FDB<br>20.0°CDB | 77 °FDB<br>25.0°CDB | 81 °FDB<br>27.0°CDB |
|                          | °FWB              | °CWB  | SHC                 | SHC                 | SHC                 | SHC                 |
| 80<br>(9.0)              | -4                | -20.0 | 6.5                 | 6.3                 | 6.0                 | 5.9                 |
|                          | 5                 | -15.0 | 7.0                 | 6.7                 | 6.5                 | 6.4                 |
|                          | 14                | -10.0 | 7.5                 | 7.3                 | 7.1                 | 7.0                 |
|                          | 23                | -5.0  | 8.5                 | 8.3                 | 7.9                 | 7.8                 |
|                          | 32                | 0.0   | 9.4                 | 9.2                 | 8.8                 | 8.7                 |
|                          | 37                | 2.5   | 9.9                 | 9.6                 | 9.3                 | 9.2                 |
|                          | 43                | 6.0   | 10.2                | 10.0                | 9.9                 | 9.7                 |
|                          | 46                | 7.5   | 10.8                | 10.6                | 9.9                 | 9.7                 |
|                          | 50                | 10.0  | 11.3                | 11.0                | 9.9                 | 9.7                 |
|                          | 55                | 12.5  | 11.8                | 11.5                | 9.9                 | 9.7                 |
|                          | 60                | 15.5  | 12.1                | 11.5                | 9.9                 | 9.7                 |
| 100<br>(11.2)            | -4                | -20.0 | 8.1                 | 7.9                 | 7.5                 | 7.4                 |
|                          | 5                 | -15.0 | 8.8                 | 8.4                 | 8.1                 | 8.0                 |
|                          | 14                | -10.0 | 9.4                 | 9.1                 | 8.9                 | 8.8                 |
|                          | 23                | -5.0  | 10.6                | 10.4                | 9.9                 | 9.8                 |
|                          | 32                | 0.0   | 11.8                | 11.5                | 11.0                | 10.9                |
|                          | 37                | 2.5   | 12.4                | 12.0                | 11.6                | 11.5                |
|                          | 43                | 6.0   | 12.8                | 12.5                | 12.4                | 12.1                |
|                          | 46                | 7.5   | 13.5                | 13.3                | 12.4                | 12.1                |
|                          | 50                | 10.0  | 14.1                | 13.8                | 12.4                | 12.1                |
|                          | 55                | 12.5  | 14.8                | 14.4                | 12.4                | 12.1                |
|                          | 60                | 15.5  | 15.1                | 14.4                | 12.4                | 12.1                |
| 125<br>(14.0)            | -4                | -20.0 | 10.4                | 10.1                | 9.6                 | 9.4                 |
|                          | 5                 | -15.0 | 11.2                | 10.7                | 10.4                | 10.2                |
|                          | 14                | -10.0 | 12.0                | 11.7                | 11.4                | 11.2                |
|                          | 23                | -5.0  | 13.6                | 13.3                | 12.6                | 12.5                |
|                          | 32                | 0.0   | 15.0                | 14.7                | 14.1                | 13.9                |
|                          | 37                | 2.5   | 15.8                | 15.4                | 14.9                | 14.7                |
|                          | 43                | 6.0   | 16.3                | 16.0                | 15.8                | 15.5                |
|                          | 46                | 7.5   | 17.3                | 17.0                | 15.8                | 15.5                |
|                          | 50                | 10.0  | 18.1                | 17.6                | 15.8                | 15.5                |
|                          | 55                | 12.5  | 18.9                | 18.4                | 15.8                | 15.5                |
|                          | 60                | 15.5  | 19.4                | 18.4                | 15.8                | 15.5                |
| 140<br>(16.0)            | -4                | -20.0 | 11.7                | 11.3                | 10.8                | 10.6                |
|                          | 5                 | -15.0 | 12.6                | 12.1                | 11.7                | 11.5                |
|                          | 14                | -10.0 | 13.5                | 13.1                | 12.8                | 12.6                |
|                          | 23                | -5.0  | 15.3                | 14.9                | 14.2                | 14.0                |
|                          | 32                | 0.0   | 16.9                | 16.6                | 15.8                | 15.7                |
|                          | 37                | 2.5   | 17.8                | 17.3                | 16.7                | 16.6                |
|                          | 43                | 6.0   | 18.4                | 18.0                | 17.8                | 17.5                |
|                          | 46                | 7.5   | 19.4                | 19.1                | 17.8                | 17.5                |
|                          | 50                | 10.0  | 20.3                | 19.8                | 17.8                | 17.5                |
|                          | 55                | 12.5  | 21.2                | 20.7                | 17.8                | 17.5                |
|                          | 60                | 15.5  | 21.8                | 20.7                | 17.8                | 17.5                |

kcal/h = kW x 860, Btu/h = kW x 3,412

3. SOUND LEVELS

3-1. Sound levels

PEFY-P-VML-E,VMH-E



\* Measured in anechoic room.

Sound level at anechoic room : Low-Mid-High

|               | Sound level dB (A) |
|---------------|--------------------|
| PEFY-P20VML-E | 25-29-36           |
| PEFY-P25VML-E | 25-29-36           |
| PEFY-P32VML-E | 25-29-40           |

Sound level at anechoic room : Low-Mid-High

|                    |           | Sound level dB (A) |       |       |
|--------------------|-----------|--------------------|-------|-------|
|                    |           | Low                | Mid   | High  |
| PEFY-P40VMH-E      | 220V      | 25-30              | 27-34 | 30-40 |
| PEFY-P50VMH-E      | 230, 240V | 30-34              | 31-37 | 31-41 |
| PEFY-P63VMH-E      | 220V      | 31-36              | 32-38 | 36-43 |
|                    | 230, 240V | 35-39              | 36-41 | 38-44 |
| PEFY-P71VMH-E      | 220V      | 30-36              | 32-39 | 35-43 |
|                    | 230, 240V | 34-39              | 35-41 | 37-44 |
| PEFY-P80VMH-E      | 220V      | 32-39              | 35-41 | 37-43 |
|                    | 230, 240V | 37-41              | 38-43 | 39-45 |
| PEFY-P100,125VMH-E | 220V      | 32-40              | 34-42 | 36-46 |
|                    | 230, 240V | 36-42              | 38-44 | 38-47 |
| PEFY-P140VMH-E     | 380V      | 42                 | —     | 45    |
| PEFY-P200VMH-E     | 400, 415V | 44                 | —     | 47    |
|                    | 380V      | 50                 | —     | 52    |
| PEFY-P250VMH-E     | 400, 415V | 52                 | —     | 54    |

\* External static pressure of PEFY-P40-140VMH-E

Low : 50Pa at 220V, 100Pa at 230, 240V  
Mid : 100Pa at 220V, 150Pa at 230, 240V  
High : 200Pa at 220V, 200Pa at 230, 240V

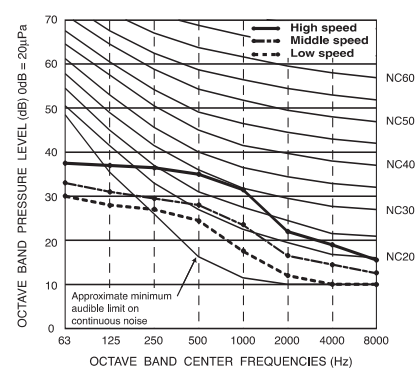
\* External static pressure of PEFY-P200-250VMH-E

Low : 110Pa at 380V, 130Pa at 400, 415V  
High : 220Pa at 380V, 260Pa at 400, 415V

3-2. NC curves

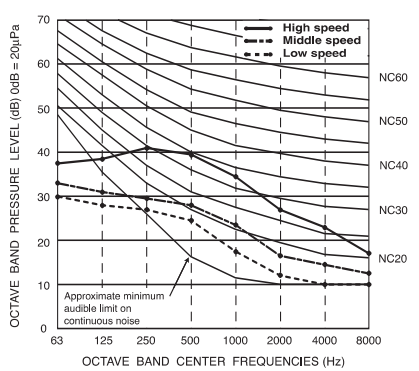
PEFY-P20,25VML-E

External static pressure : 5Pa  
Power source : 220,230,240V, 50/60Hz



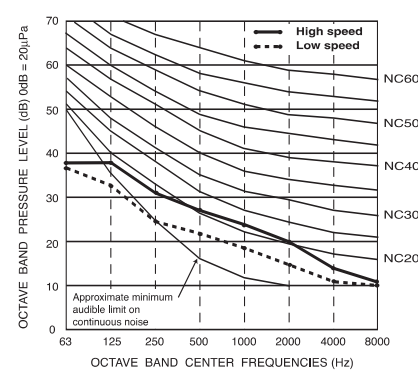
PEFY-P32VML-E

External static pressure : 5Pa  
Power source : 220,230,240V, 50/60Hz



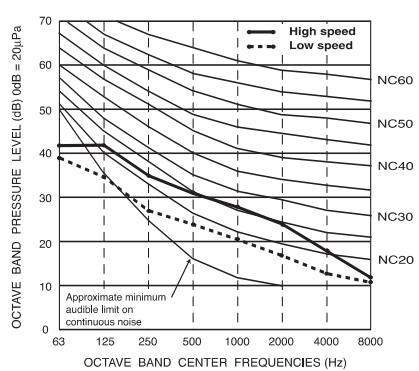
PEFY-P40,50VMH-E

External static pressure : 50Pa  
Power source : 220V, 50/60Hz



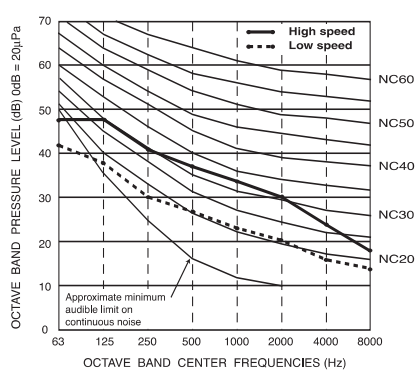
PEFY-P40,50VMH-E

External static pressure : 100Pa  
Power source : 220V, 50/60Hz



PEFY-P40,50VMH-E

External static pressure : 200Pa  
Power source : 220V, 50/60Hz





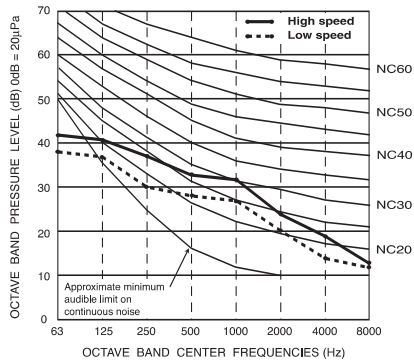
### 3. SOUND LEVELS

R410A Data G2

#### 3-2. NC curves

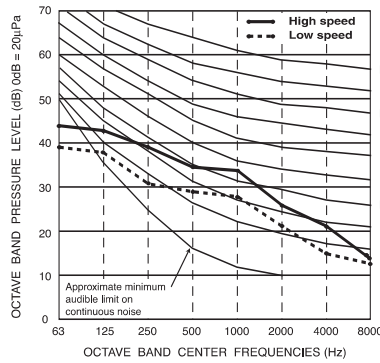
##### PEFY-P63VMH-E

External static pressure : 50Pa  
Power source : 220V, 50/60Hz



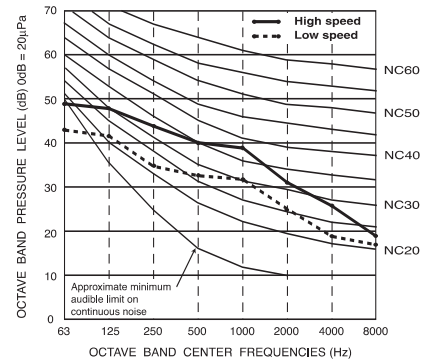
##### PEFY-P63VMH-E

External static pressure : 100Pa  
Power source : 220V, 50/60Hz



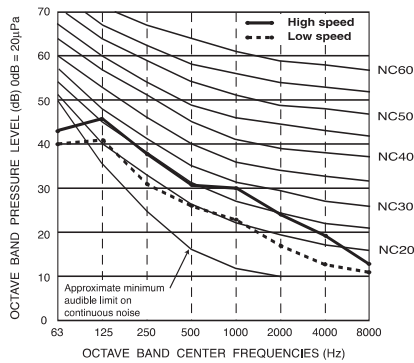
##### PEFY-P63VMH-E

External static pressure : 200Pa  
Power source : 220V, 50/60Hz



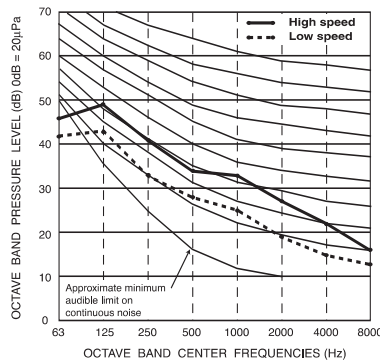
##### PEFY-P71VMH-E

External static pressure : 50Pa  
Power source : 220V, 50/60Hz



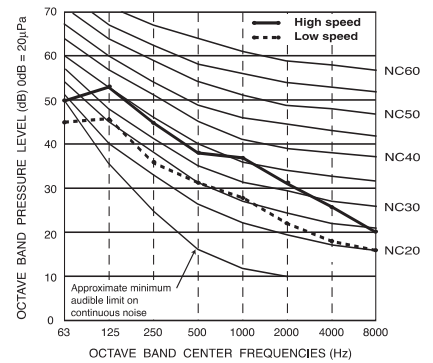
##### PEFY-P71VMH-E

External static pressure : 100Pa  
Power source : 220V, 50/60Hz



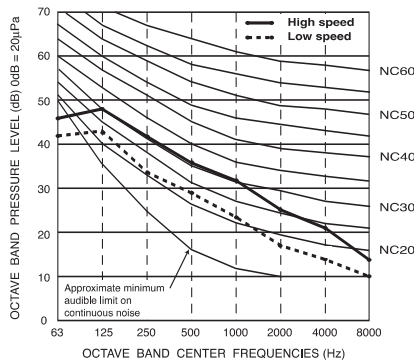
##### PEFY-P71VMH-E

External static pressure : 200Pa  
Power source : 220V, 50/60Hz



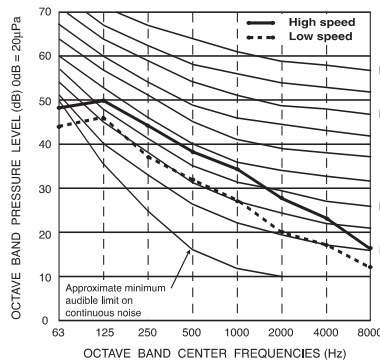
##### PEFY-P80VMH-E

External static pressure : 50Pa  
Power source : 220V, 50/60Hz



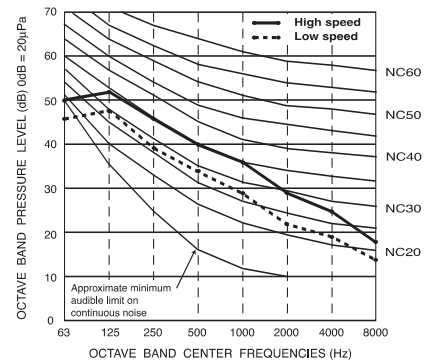
##### PEFY-P80VMH-E

External static pressure : 100Pa  
Power source : 220V, 50/60Hz



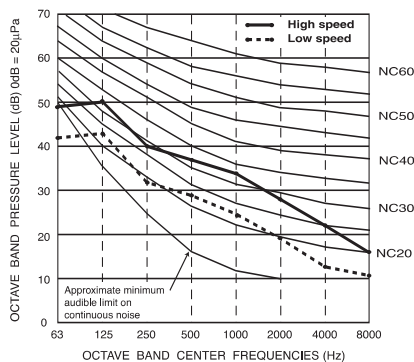
##### PEFY-P80VMH-E

External static pressure : 200Pa  
Power source : 220V, 50/60Hz



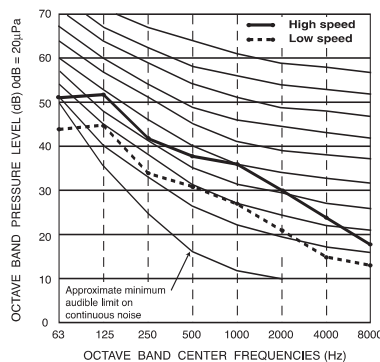
##### PEFY-P100,125,140VMH-E

External static pressure : 50Pa  
Power source : 220V, 50/60Hz



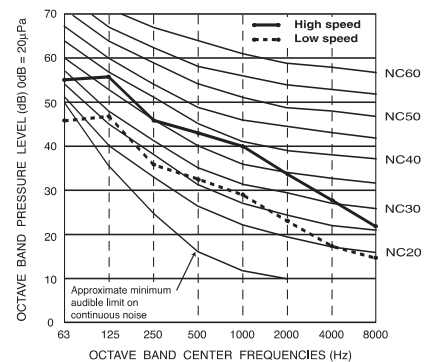
##### PEFY-P100,125,140VMH-E

External static pressure : 100Pa  
Power source : 220V, 50/60Hz



##### PEFY-P100,125,140VMH-E

External static pressure : 200Pa  
Power source : 220V, 50/60Hz

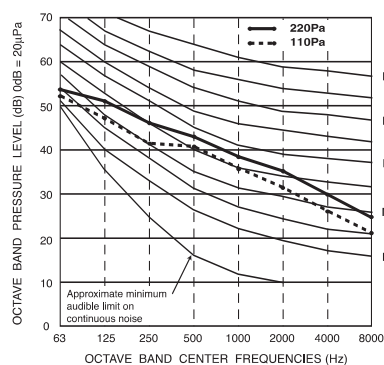


## 3-2. NC curves

### PEFY-P200VMH-E

External static pressure : 110,220Pa

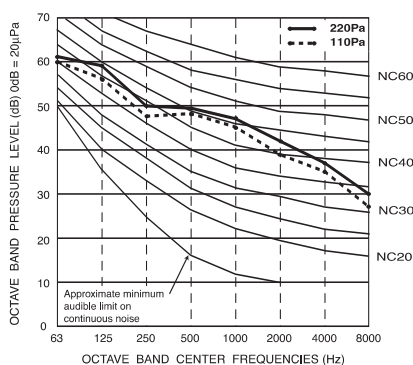
Power source : 380V, 50/60Hz



### PEFY-P250VMH-E

External static pressure : 110,220Pa

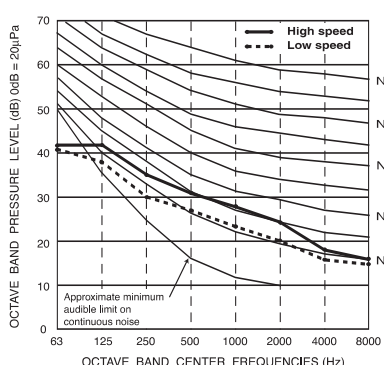
Power source : 380V, 50/60Hz



### PEFY-P40,50VMH-E

External static pressure : 100Pa

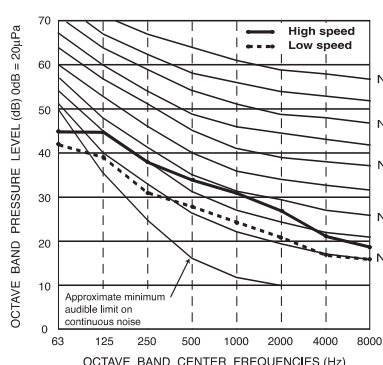
Power source : 230,240V, 50/60Hz



### PEFY-P40,50VMH-E

External static pressure : 150Pa

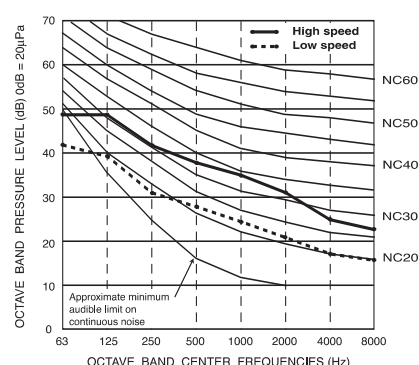
Power source : 230,240V, 50/60Hz



### PEFY-P40,50VMH-E

External static pressure : 200Pa

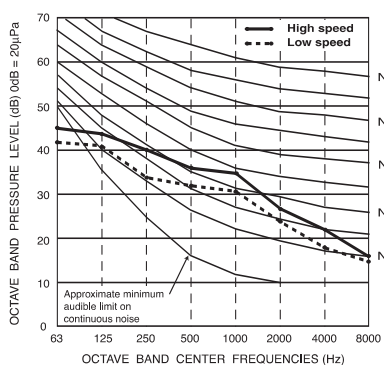
Power source : 230,240V, 50/60Hz



### PEFY-P63VMH-E

External static pressure : 100Pa

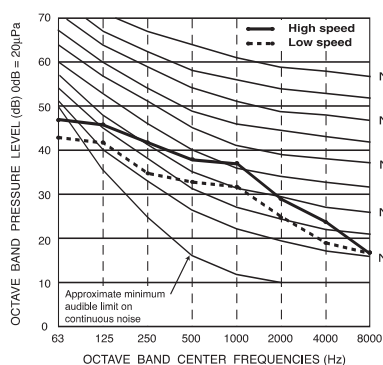
Power source : 230,240V, 50/60Hz



### PEFY-P63VMH-E

External static pressure : 150Pa

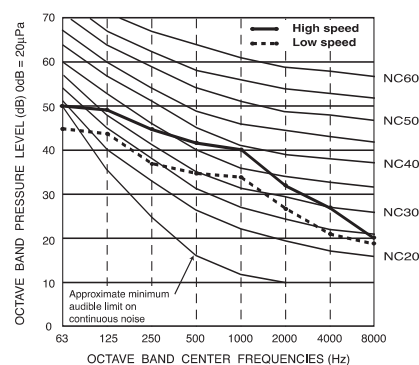
Power source : 230,240V, 50/60Hz



### PEFY-P63VMH-E

External static pressure : 200Pa

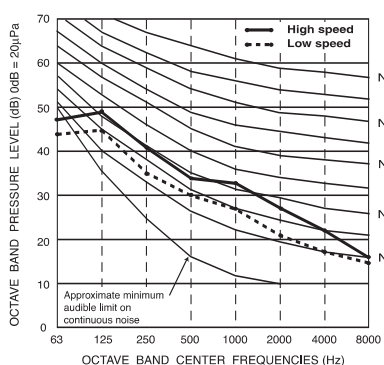
Power source : 230,240V, 50/60Hz



### PEFY-P71VMH-E

External static pressure : 100Pa

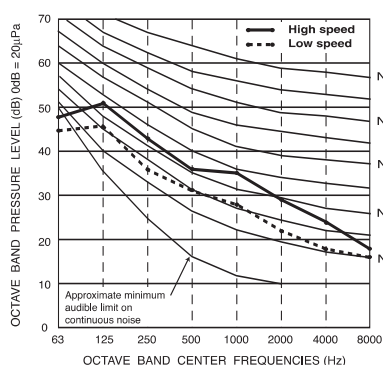
Power source : 230,240V, 50/60Hz



### PEFY-P71VMH-E

External static pressure : 150Pa

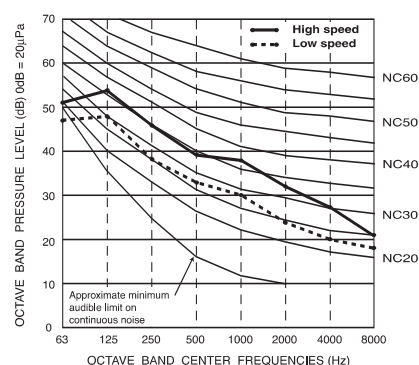
Power source : 230,240V, 50/60Hz



### PEFY-P71VMH-E

External static pressure : 200Pa

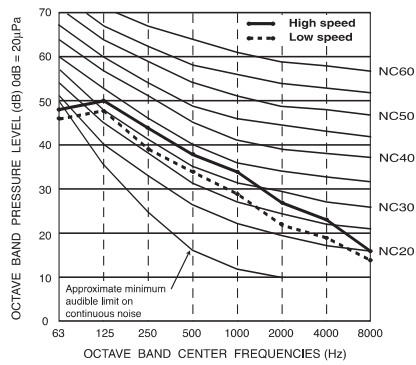
Power source : 230,240V, 50/60Hz



## 3-2. NC curves

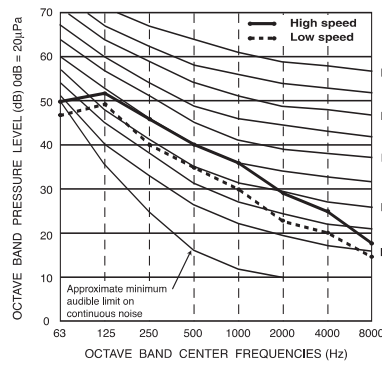
### PEFY-P80VMH-E

External static pressure : 100Pa  
Power source : 230,240V, 50/60Hz



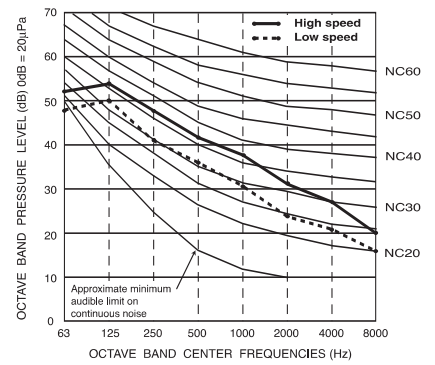
### PEFY-P80VMH-E

External static pressure : 150Pa  
Power source : 230,240V, 50/60Hz



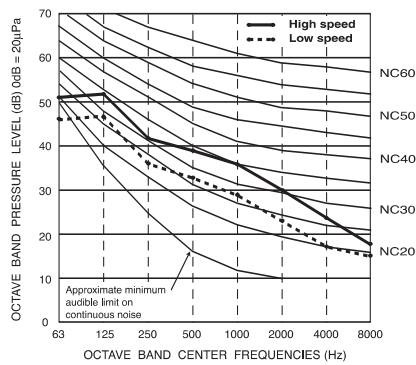
### PEFY-P80VMH-E

External static pressure : 200Pa  
Power source : 230,240V, 50/60Hz



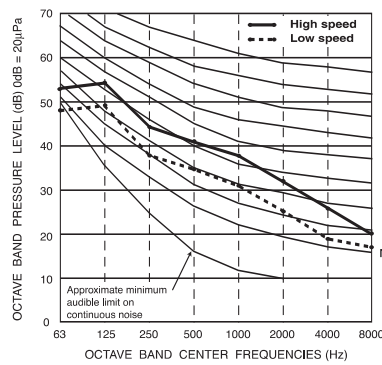
### PEFY-P100,125,140VMH-E

External static pressure : 100Pa  
Power source : 230,240V, 50/60Hz



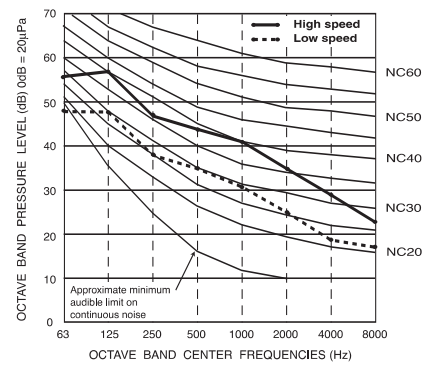
### PEFY-P100,125,140VMH-E

External static pressure : 150Pa  
Power source : 230,240V, 50/60Hz



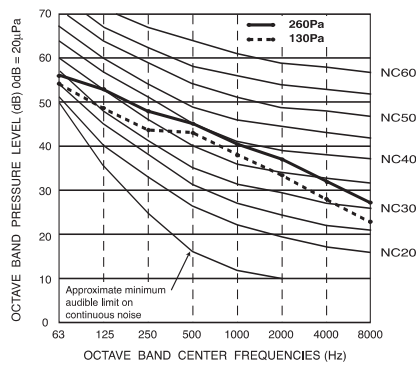
### PEFY-P100,125,140VMH-E

External static pressure : 200Pa  
Power source : 230,240V, 50/60Hz



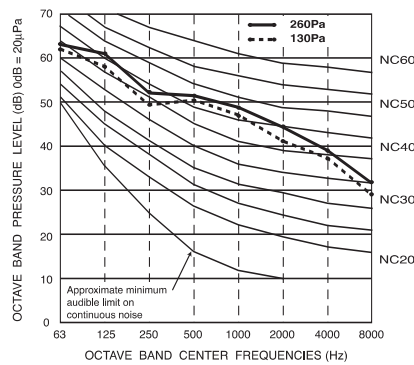
### PEFY-P200VMH-E

External static pressure : 130,260Pa  
Power source : 400,415V, 50/60Hz



### PEFY-P250VMH-E

External static pressure : 130,260Pa  
Power source : 400,415V, 50/60Hz



### 3. SOUND LEVELS

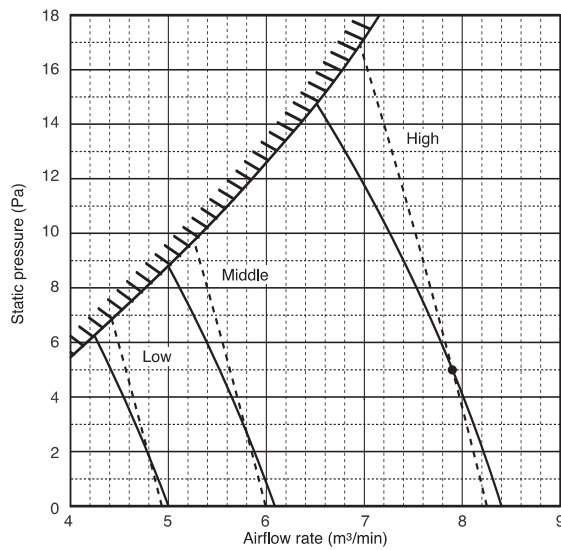
R410A Data G2

#### 3-3. Fan characteristics curves

##### PEFY-P20,25VML-E

External static pressure : 5Pa  
Power source : 220,230,240V

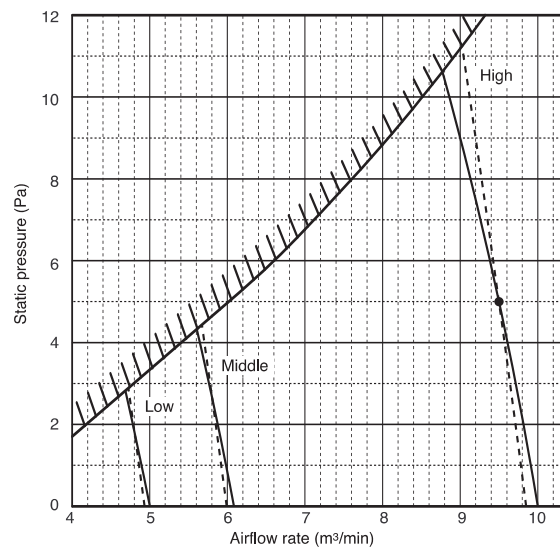
Suction : Back inlet  
— 50Hz  
- - - 60Hz



##### PEFY-P32VML-E

External static pressure : 5Pa  
Power source : 220,230,240V

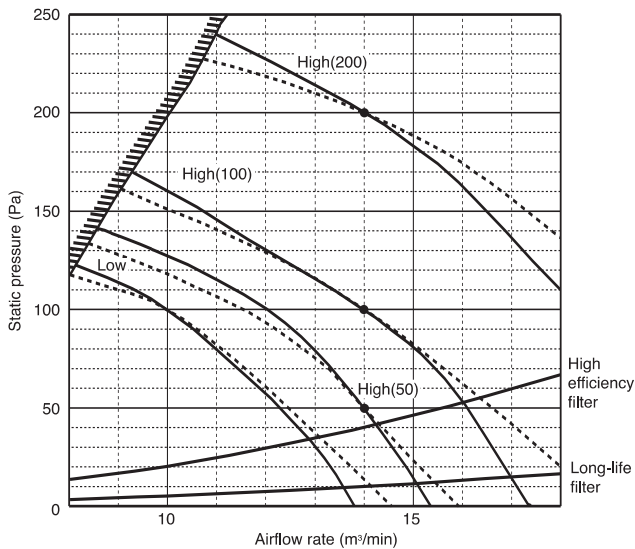
Suction : Back inlet  
— 50Hz  
- - - 60Hz



##### PEFY-P40,50VMH-E

External static pressure : 50,100,200Pa  
Power source : 220V

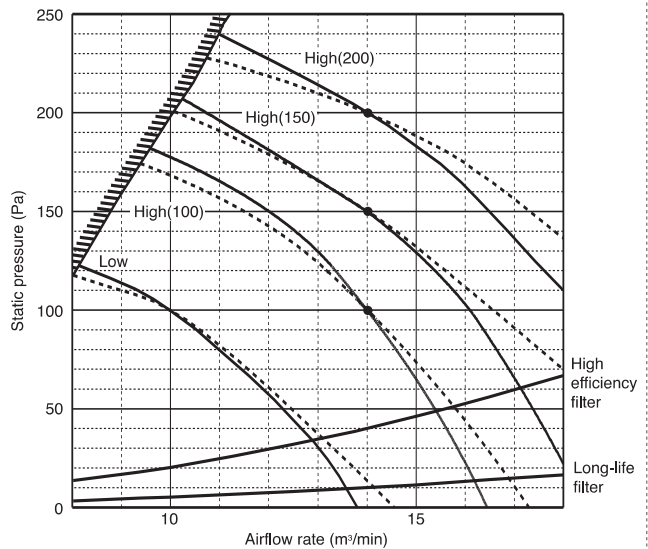
Suction : Back inlet  
— 50Hz  
- - - 60Hz



##### PEFY-P40,50VMH-E

External static pressure : 100,150,200Pa  
Power source : 230,240V

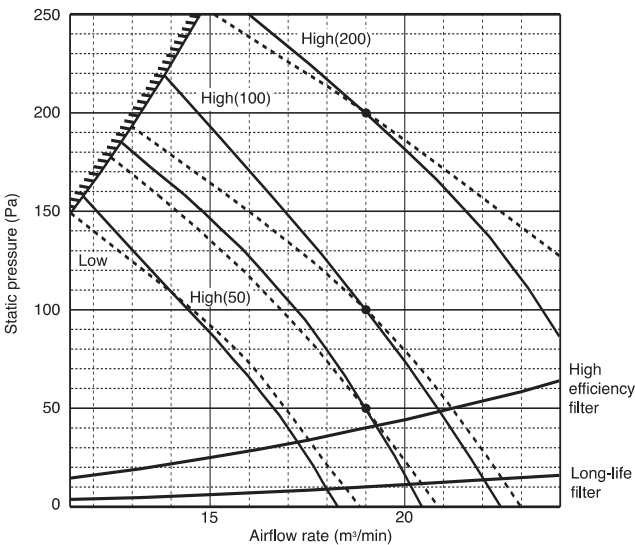
Suction : Back inlet  
— 50Hz  
- - - 60Hz



##### PEFY-P63VMH-E

External static pressure : 50,100,200Pa  
Power source : 220V

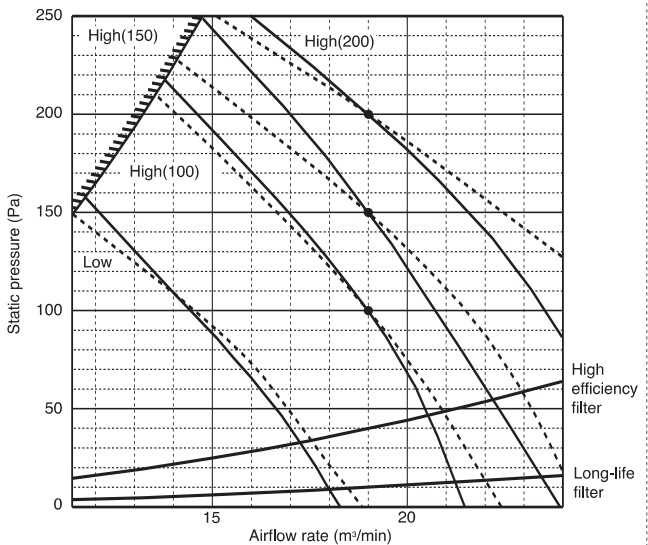
Suction : Back inlet  
— 50Hz  
- - - 60Hz



##### PEFY-P63VMH-E

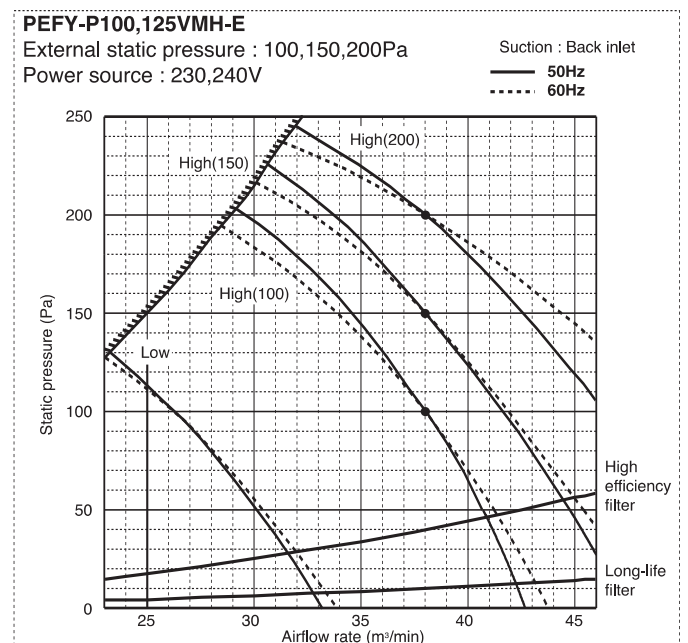
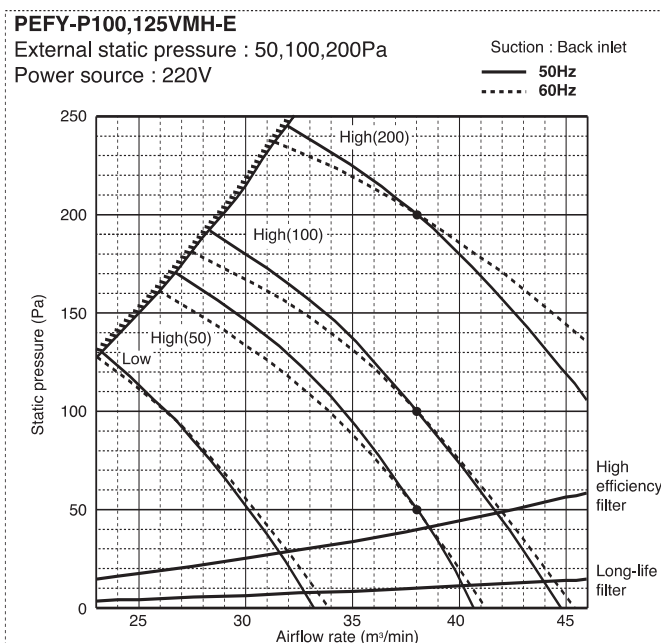
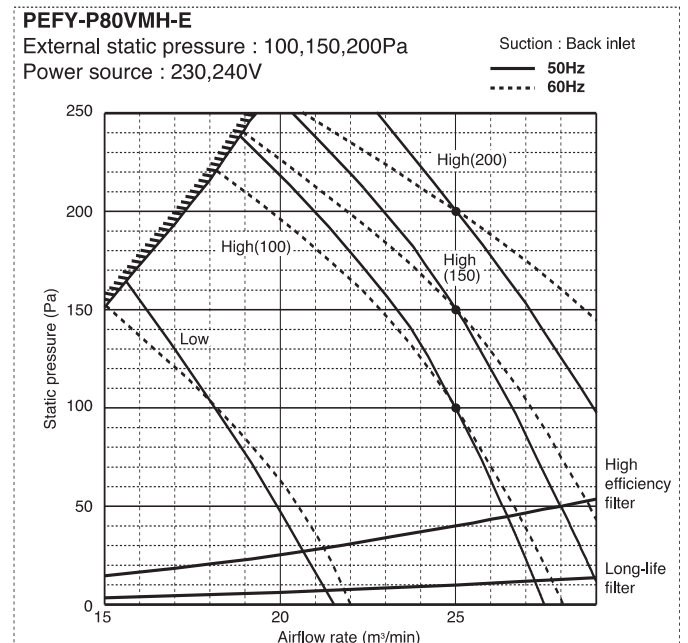
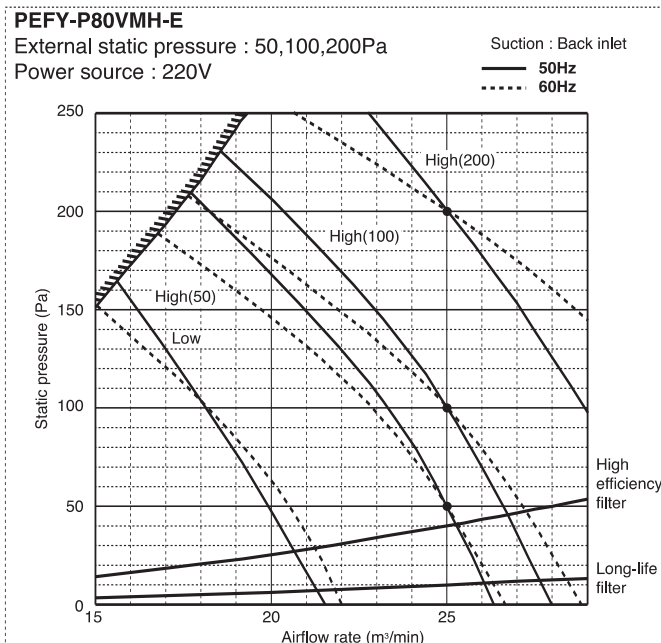
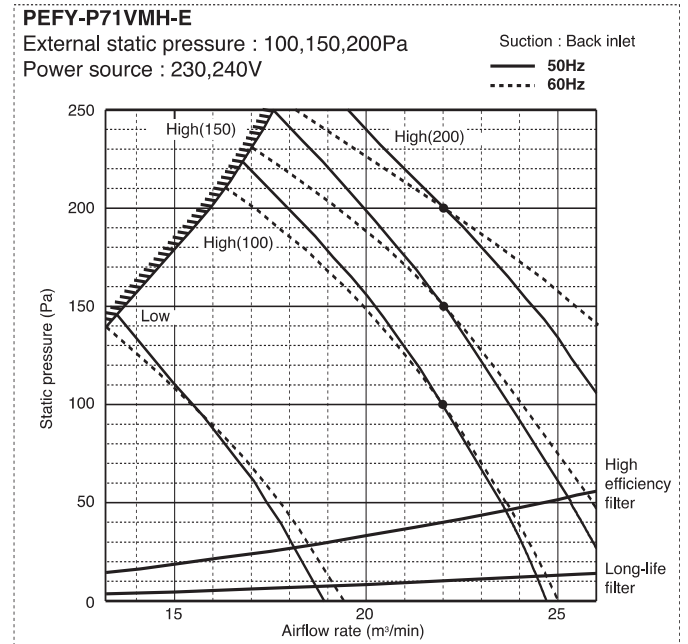
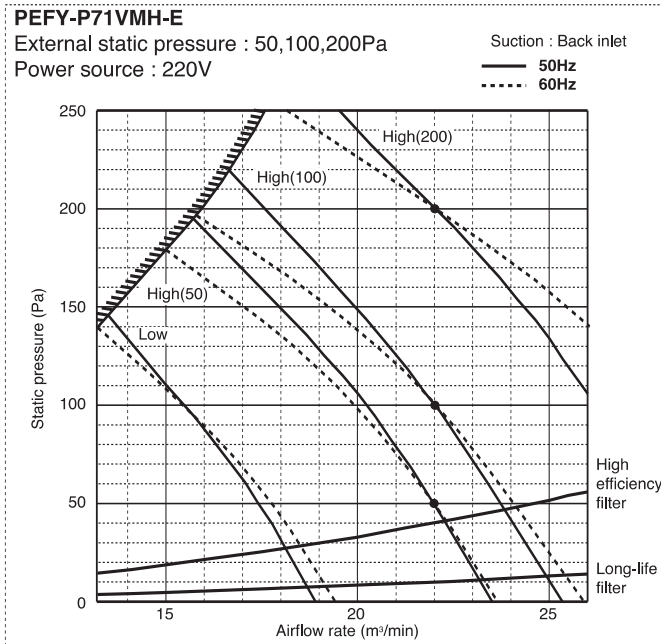
External static pressure : 100,150,200Pa  
Power source : 230,240V

Suction : Back inlet  
— 50Hz  
- - - 60Hz





## 3-3. Fan characteristics curves



### 3. SOUND LEVELS

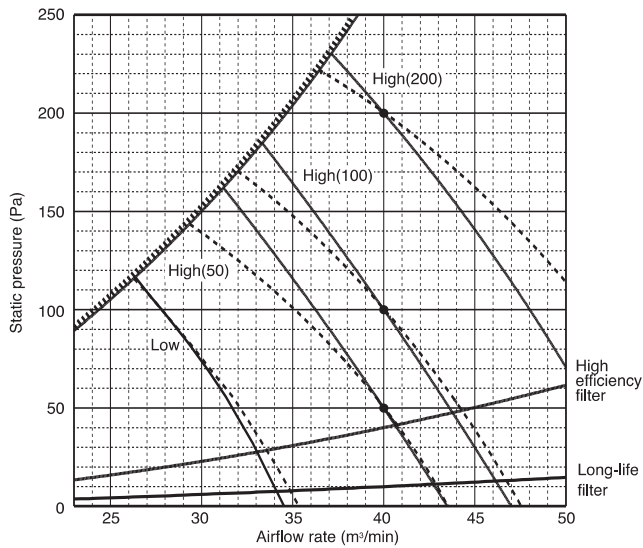
R410A Data G2

#### 3-3. Fan characteristics curves

##### PEFY-P140VMH-E

External static pressure : 50,100,200Pa  
Power source : 220V

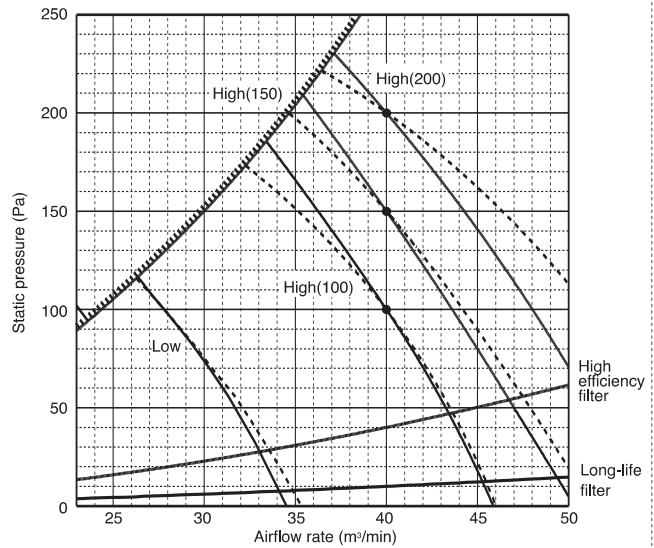
Suction : Back inlet  
— 50Hz  
- - - 60Hz



##### PEFY-P140VMH-E

External static pressure : 100,150,200Pa  
Power source : 230,240V

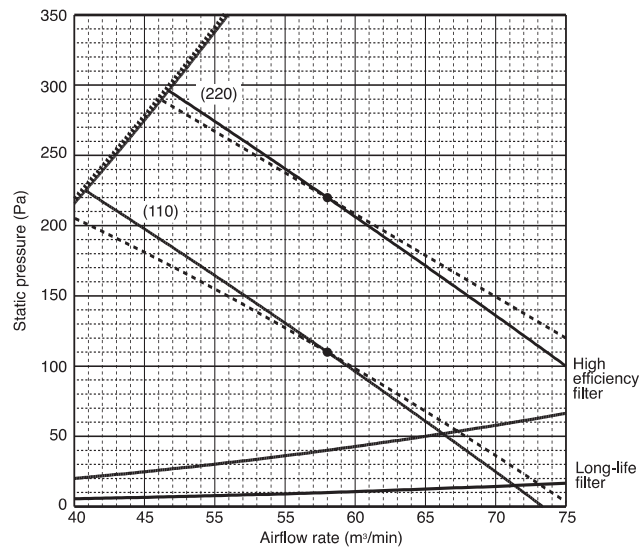
Suction : Back inlet  
— 50Hz  
- - - 60Hz



##### PEFY-P200VMH-E

External static pressure : 110,220Pa  
Power source : 380V

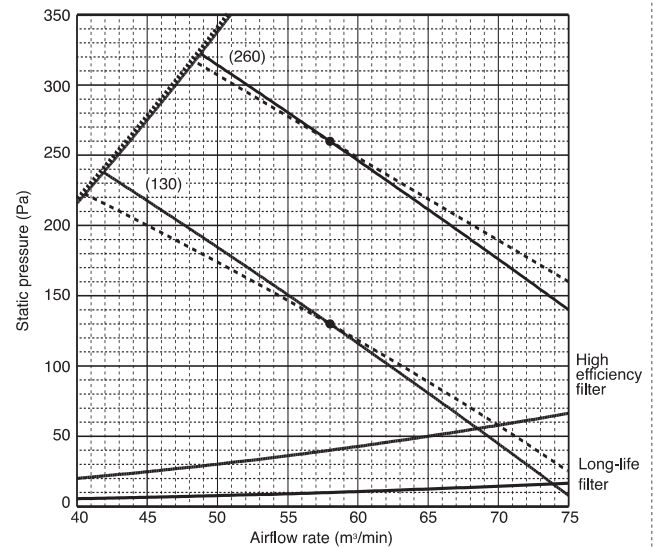
Suction : Back inlet  
— 50Hz  
- - - 60Hz



##### PEFY-P200VMH-E

External static pressure : 130,260Pa  
Power source : 400,415V

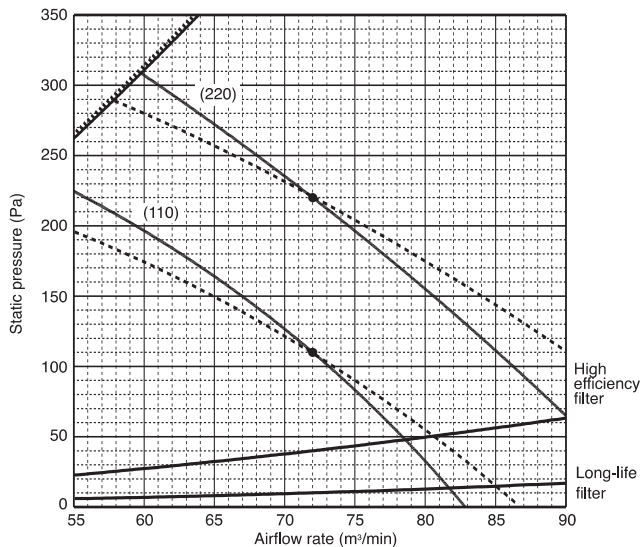
Suction : Back inlet  
— 50Hz  
- - - 60Hz



##### PEFY-P250VMH-E

External static pressure : 110,220Pa  
Power source : 380V

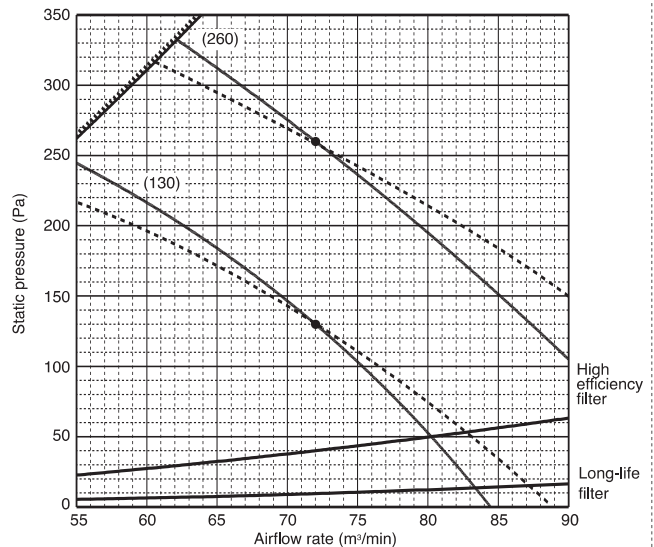
Suction : Back inlet  
— 50Hz  
- - - 60Hz



##### PEFY-P250VMH-E

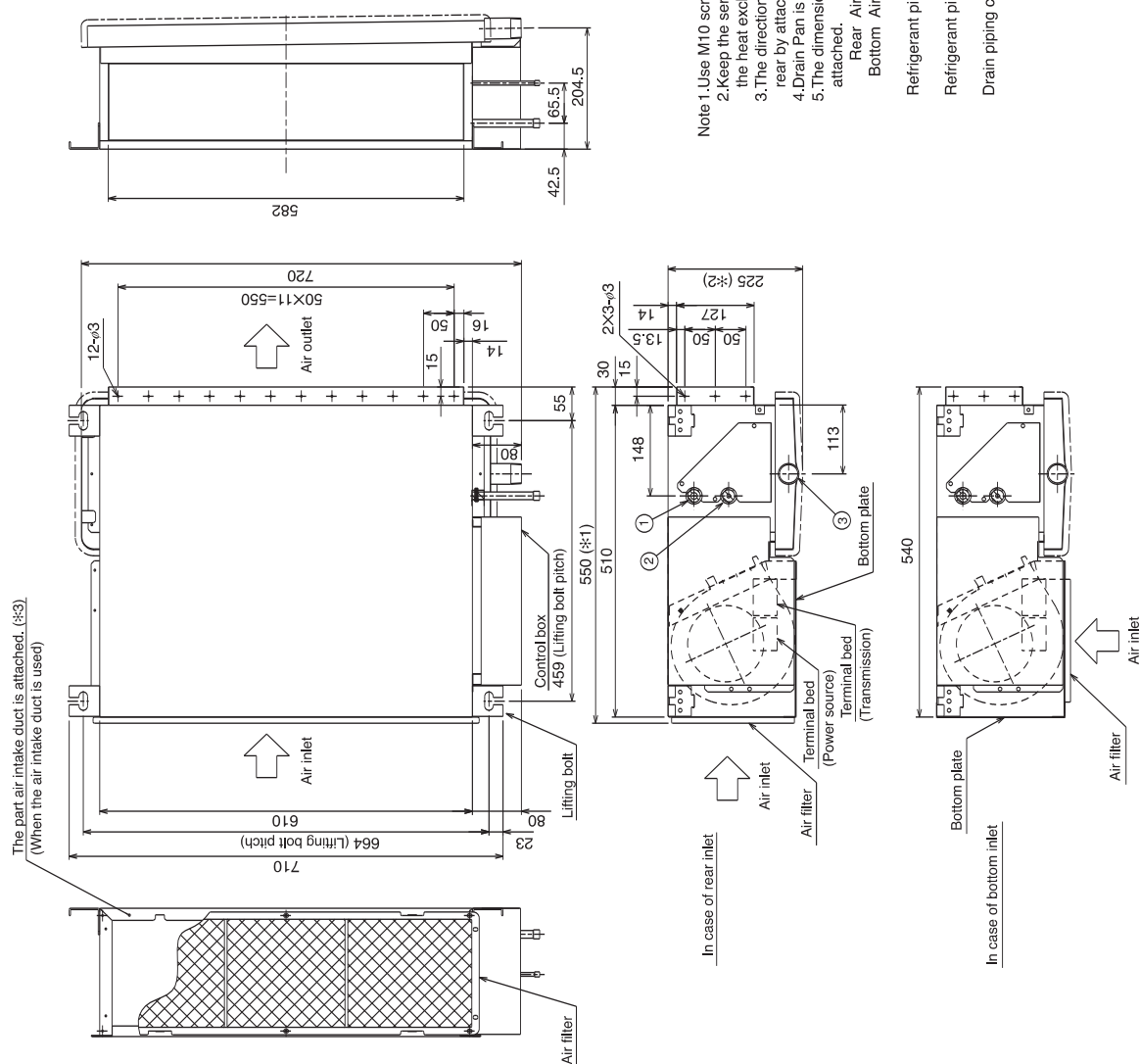
External static pressure : 130,260Pa  
Power source : 400,415V

Suction : Back inlet  
— 50Hz  
- - - 60Hz





PEFY-P20,25,32VML-E

 Drw. : IU-W65-3947  
 Unit : mm


A

B

C

D

E

F

G

H

I

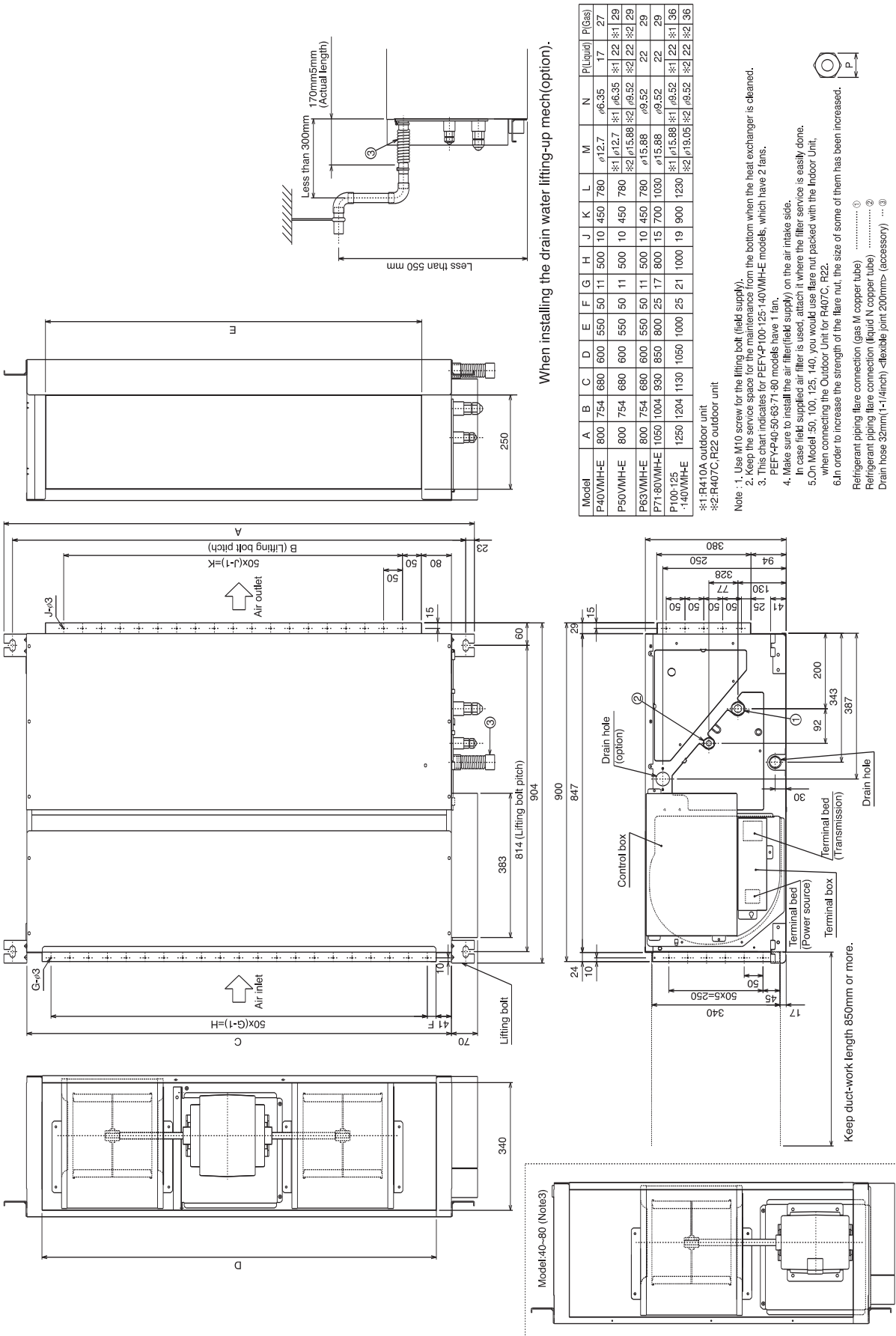
J

V<sub>A</sub>V<sub>B</sub>

BC

PEFY-P40,50,63,71,80,100,125,140VMH-E

Draw. : IU-W27-5924  
 Unit : mm



## PEFY-P200, 250VMH-E

Drw. : IU-W27-5925

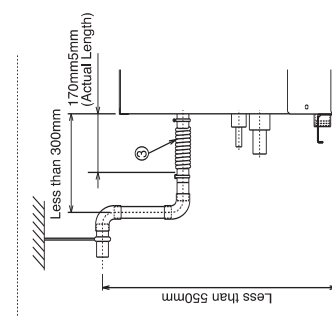
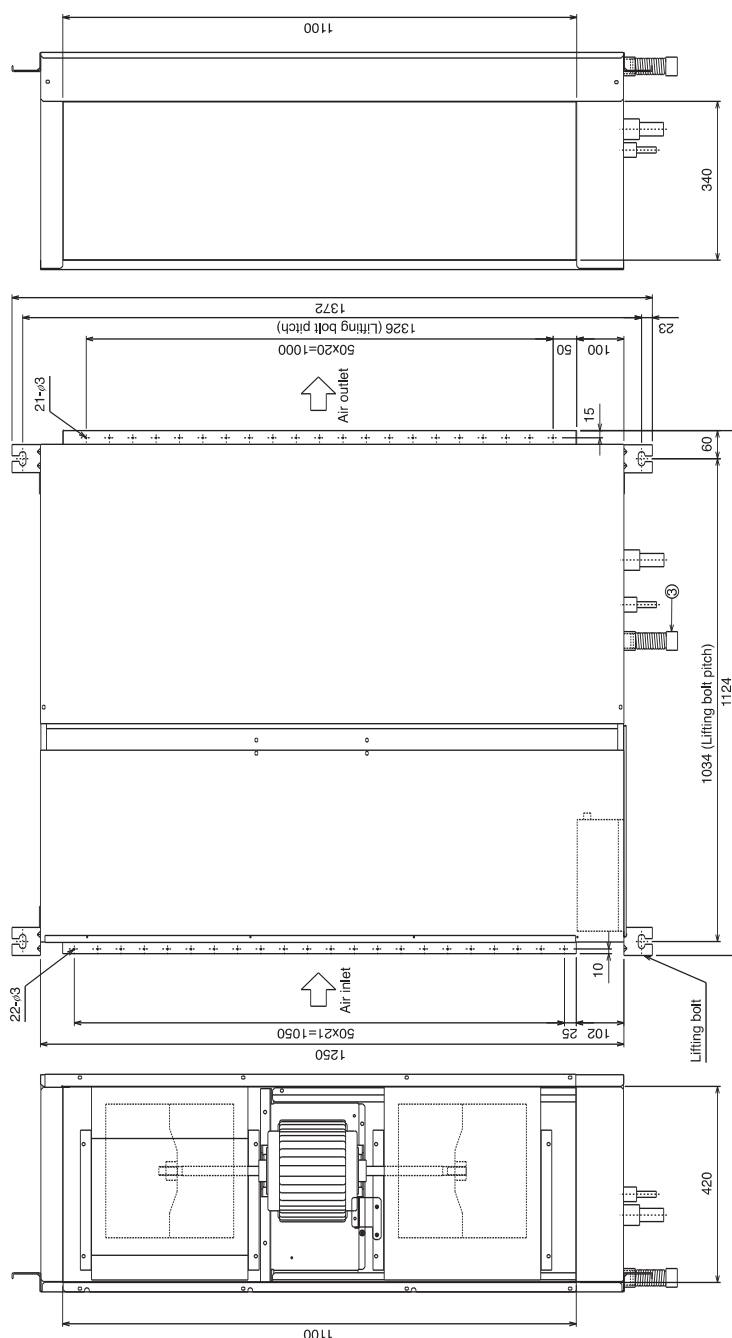
Unit : mm

- Note : 1. Use M10 screw for the lifting bolt (field supply).  
 2. Keep the service space for the maintenance from the bottom when the heat exchanger is cleaned.  
 3. Make sure to install the air filter (field supply) on the air intake side. In case field supplied air filter is used, attach it where the filter service is easily done.  
 4. On this model, you would use pipe packed with the Indoor Unit, when connecting the Outdoor Unit for R407C, R22.

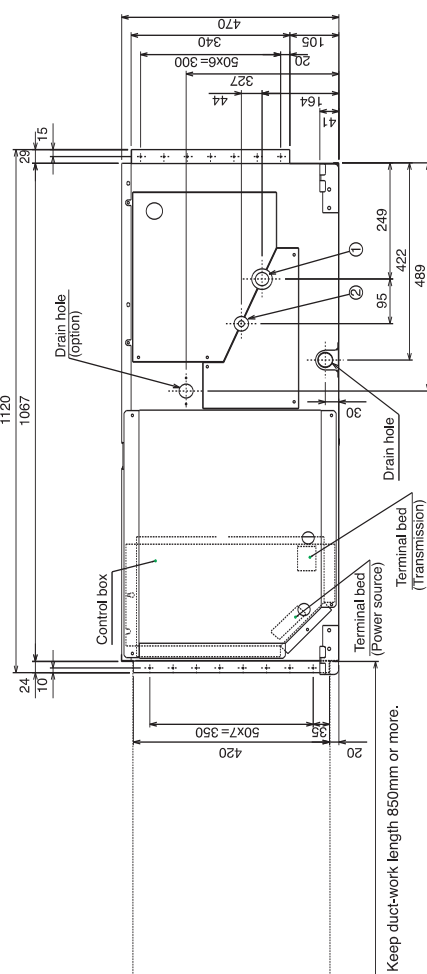
| Model     | A                                 | B                                |
|-----------|-----------------------------------|----------------------------------|
| P200VMH-E | *1 $\phi 19.05$<br>*2 $\phi 25.4$ | *1 $\phi 9.52$<br>*2 $\phi 12.7$ |
| P250VMH-E | *1 $\phi 22.2$<br>*2 $\phi 28.58$ | *1 $\phi 9.52$<br>*2 $\phi 12.7$ |

\*1: R410A outdoor unit  
 \*2: R407C, R22 outdoor unit

- Refrigerant piping brazing connection  
 (gas A copper tube) .....①  
 Refrigerant piping brazing connection  
 (liquid B copper tube) .....②  
 Drain hose 32mm(1-1/4inch)  
 <flexible joint 200mm>(accessory) .....③



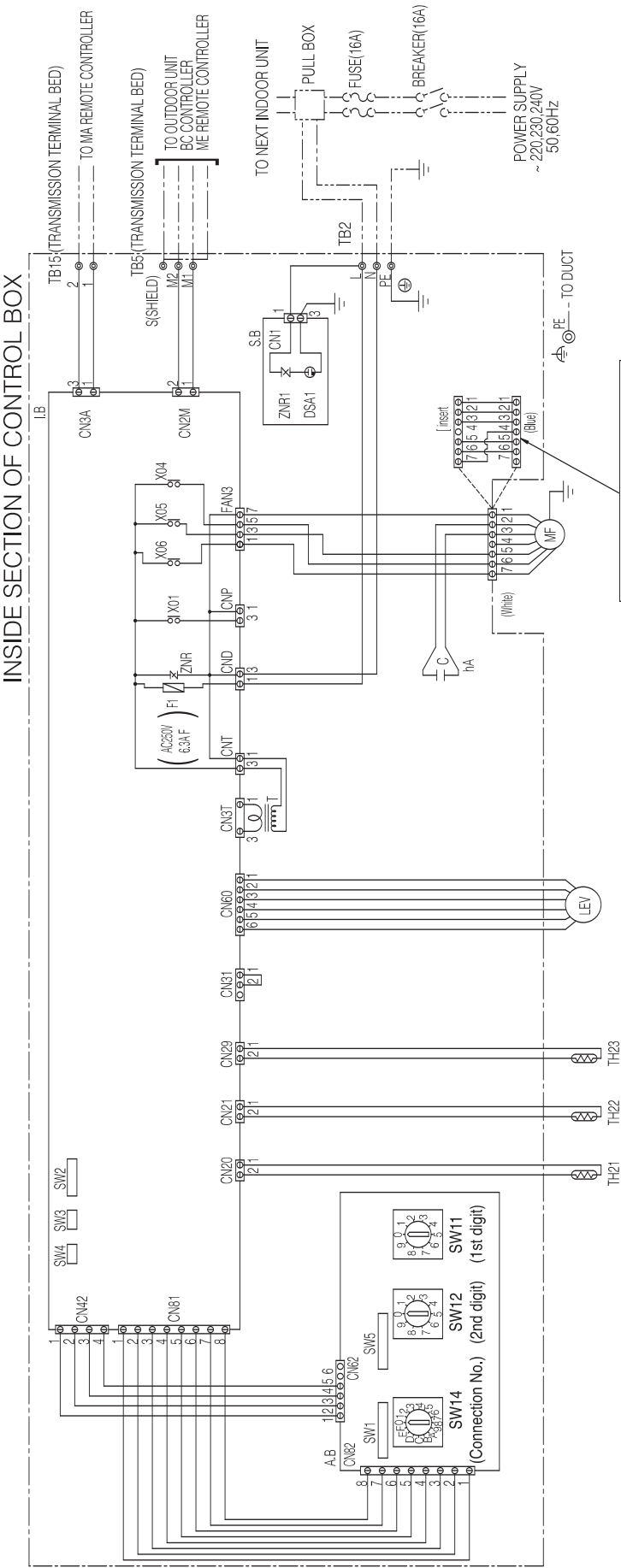
When installing the drain water lifting-up mech(option).



Keep duct-work length 850mm or more.

PEFY-P20,25,32VML-E

Drw. : IU-W65-3955



The motor connector is connected with 230V, 240V power at factory shipment. If 220 power is used, insert the attachment. Color/Power source White/230V, 240V Blue/220V

NOTE : 1. The wirings to TB2, TB5 shown in dotted line are field work.  
2. Mark ⊕ indicates terminal bed, ⊕ connector, ⊕ board insertion connector or fastening connector of control board.

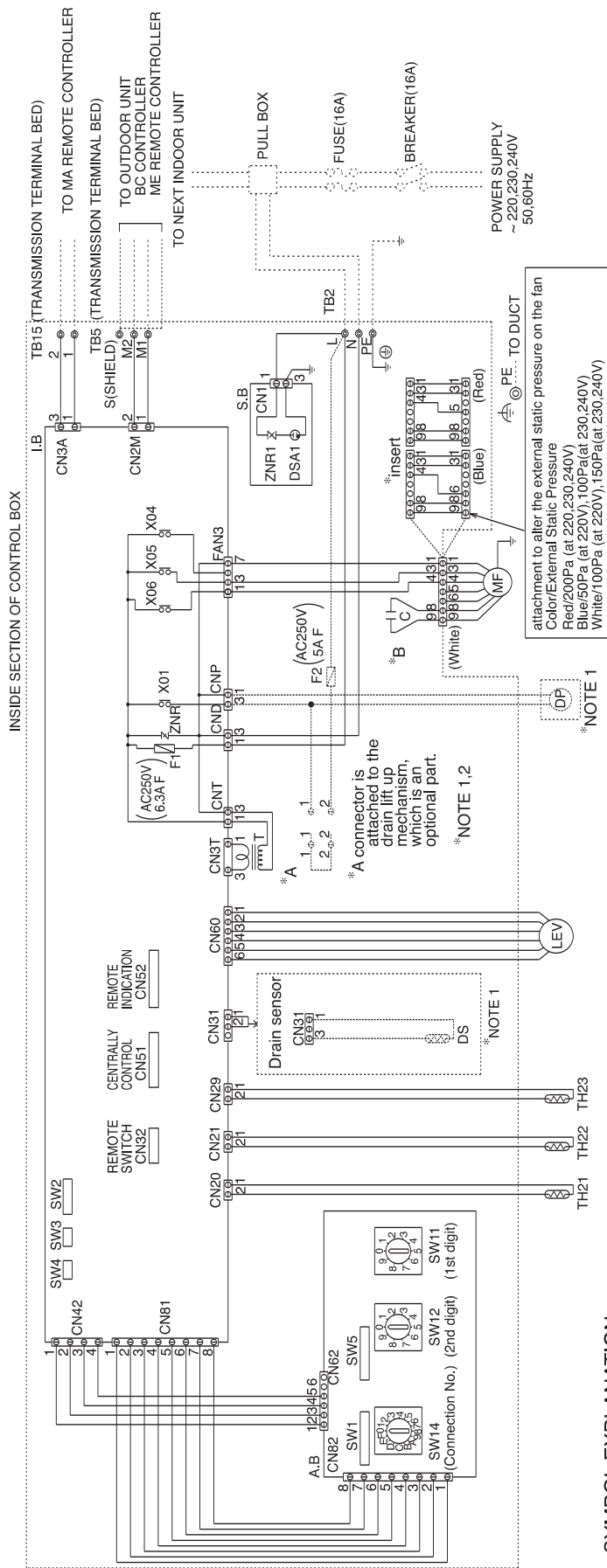
hA Capacitor  
MODELS 20/25 1.5F  
MODEL 32 2.0F

SYMBOL EXPLANATION

| SYMBOL  | NAME                            | SYMBOL    | NAME                                       |
|---------|---------------------------------|-----------|--------------------------------------------|
| MF      | Fan motor                       | TH21      | Thermistor (inlet temp. detection)         |
| C       | hA Capacitor (for MF)           | TH22      | Thermistor (piping temp. detection/liquid) |
| I.B     | Indoor controller board         | TH23      | Thermistor (piping temp. detection/gas)    |
| A.B     | Address board                   | SW11(A.B) | Switch (1st digit address set)             |
| TB2     | Power source terminal bed       | SW12(A.B) | Switch (2nd digit address set)             |
| TB5     | Transmission terminal bed       | SW14(A.B) | Switch (connection No. set)                |
| TB15    | Transmission terminal bed       | SW1(A.B)  | Switch (for mode selection)                |
| F1      | Fuse AC250V 6.3A F              | SW2(L.B)  | Switch (for capacity code)                 |
| T       | Transformer                     | SW3(L.B)  | Switch (for mode selection)                |
| LEV     | Electronic linear expans. valve | SW4(L.B)  | Switch (for model selection)               |
| S.B     | Surge absorber board            | SW5(A.B)  | Switch (for voltage selection)             |
| X04-X06 | Aux. relay                      |           |                                            |

PEFY-P40,50,63,71,80,100,125,140VMH-E

Drw. : IU-W65-3956



SYMBOL EXPLANATION

| SYMBOL | NAME                           | SYMBOL    | NAME                                      |
|--------|--------------------------------|-----------|-------------------------------------------|
| MF     | Fan motor                      | S.B       | Surge absorber board                      |
| C      | *B Capacitor (for MF)          | TH21      | Thermistor (inlet temp.detection)         |
| I.B    | Indoor controller board        | TH22      | Thermistor (piping temp.detection/liquid) |
| A.B    | Address board                  | TH23      | Thermistor (piping temp.detection/gas)    |
| TB2    | Power source terminal bed      | SW1(A,B)  | Switch (1st digit address set)            |
| TB5    | Transmission terminal bed      | SW12(A,B) | Switch (2nd digit address set)            |
| TB15   | Transmission terminal bed      | SW14(A,B) | Switch (connection No.set)                |
| F1     | Fuse AC250V 6.3A F             | SW1(A,B)  | Switch (for mode selection)               |
| <F2>   | Fuse AC250V 5A F               | SW2(LB)   | Switch (for capacity code)                |
| T      | Transformer                    | SW3(LB)   | Switch (for mode selection)               |
| <DP>   | Drain Pump                     | SW4(LB)   | Switch (for model selection)              |
| LEV    | Electronic linear expan. valve | SW5(A,B)  | Switch (for voltage selection)            |
| <DS>   | Drain sensor                   | X04-X06   | Aux.relay                                 |

inside < > is the optional parts

- NOTE : 1. The part of the broken line indicates the circuit for optional parts.  
2.\*A in the chart is the connector for a drain pump test run operation.  
(The Drain Pump operates continuously if the connector is inserted and the power is supplied.)  
After the test run, make sure to remove the \*A connector.  
3.The wirings to TB2, TB5 (shown in dotted line) are field work.  
4.Mark ⊕ indicates terminal bed, ⊙ connector, ⊞ board insertion connector or fastening connector of control board.

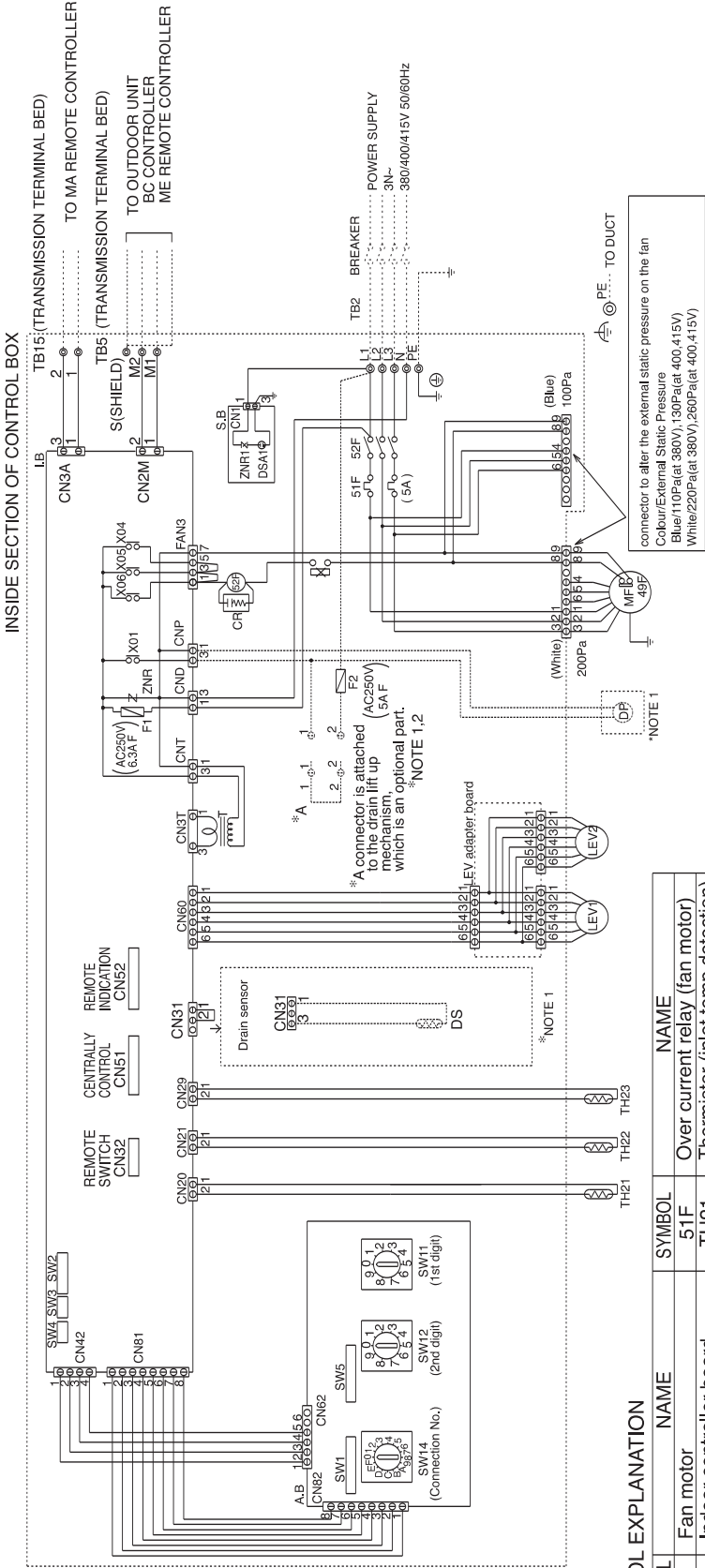
\*B Capacitor  
MODELS 40/50  
MODEL 63  
MODELS 71/80  
MODELS 100/125/140

3.0F  
4.0F  
5.0F  
7.0F



PEFY-P200,250VMH-E

Drw. : IU-W65-3957



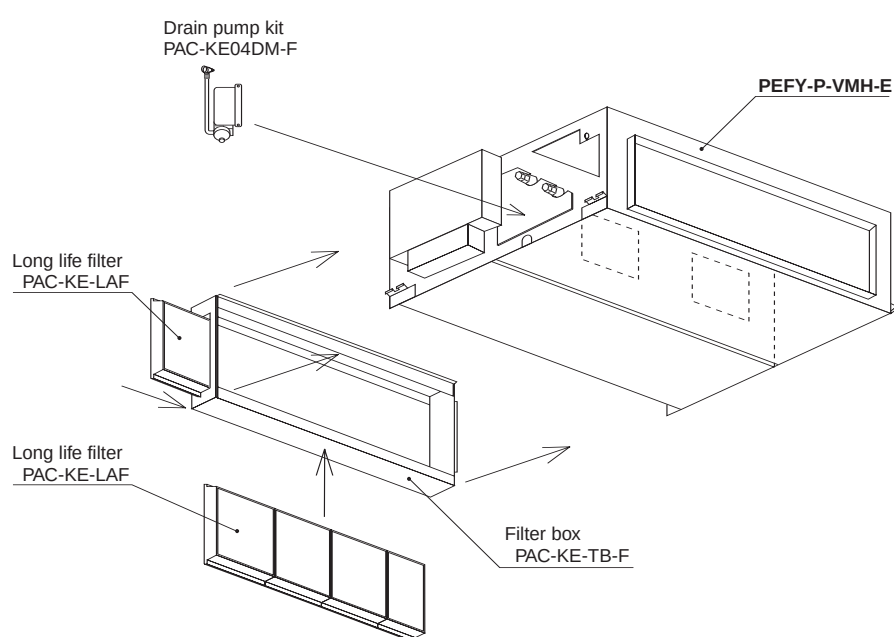
SYMBOL EXPLANATION

| SYMBOL    | NAME                           | SYMBOL    | NAME                                      |
|-----------|--------------------------------|-----------|-------------------------------------------|
| MF        | Fan motor                      | 51F       | Over current relay (fan motor)            |
| I.B       | Indoor controller board        | TH21      | Thermistor (inlet temp.detection)         |
| A.B       | Address board                  | TH22      | Thermistor (piping temp.detection/liquid) |
| TB2       | Power source terminal bed      | TH23      | Thermistor (piping temp.detection/gas)    |
| TB5       | Transmission terminal bed      | SW11(A.B) | Switch (1st digit address set)            |
| TB15      | Transmission terminal bed      | SW12(A.B) | Switch (2nd digit address set)            |
| F 1       | Fuse AC250V 6.3A F             | SW14(A.B) | Switch (for mode selection)               |
| <F2>      | Fuse AC250V 5A F               | SW1(A.B)  | Switch (for capacity code)                |
| T         | Transformer                    | SW2(L.B)  | Switch (for mode selection)               |
| <DP>      | Drain Pump                     | SW3(L.B)  | Switch (for model selection)              |
| LEV1,LEV2 | Electronic linear expan. valve | SW4(L.B)  | Switch (for model selection)              |
| <DS>      | Drain sensor                   | SW5(A.B)  | Switch (for voltage selection)            |
| S.B       | Surge absorber board           | X04-X06   | Aux. relay                                |
| 52F       | Contact (fan motor)            | 49F       | Inner thermostat                          |

inside < > is the optional parts

CAUTION : 1.To protect Fan motor from abnormal current, Over current relays<51F> is installed. Therefore, do not change factory set value of Over current relays.  
NOTE : 1.The part of the broken line indicates the circuit for optional parts.  
2. 'A' in the chart is the connector for a drain pump test run operation. (The Drain Pump operates continuously if the connector is inserted and the power is supplied.)  
3.The wirings to TB2,TB5 shown in dotted line are field work.  
4.Mark ⊕ indicates terminal bed, ⊙ connector, ⊞ board insertion connector or fastening connector of control board.

| Description      | Model         | Applicable capacity           |
|------------------|---------------|-------------------------------|
| Long life filter | PAC-KE32LAF-F | PEFY-P20,25,32VML-E           |
|                  | PAC-KE86LAF   | PEFY-P40,50,63VMH-E           |
|                  | PAC-KE88LAF   | PEFY-P71,80VMH-E              |
|                  | PAC-KE89LAF   | PEFY-P100,125,140VMH-E        |
|                  | PAC-KE85LAF   | PEFY-P200,250VMH-E            |
| Filter box       | PAC-KE63TB-F  | PEFY-P40,50,63VMH-E           |
|                  | PAC-KE80TB-F  | PEFY-P71,80VMH-E              |
|                  | PAC-KE140TB-F | PEFY-P100,125,140VMH-E        |
|                  | PAC-KE250TB-F | PEFY-P200,250VMH-E            |
| Drain pump kit   | PAC-KE04DM-F  | PEFY-P40,50,63,71,80,100VMH-E |
|                  |               | PEFY-P125,140,200,250VMH-E    |



A

B

C

D

E

F

G

H

I

J

V<sub>A</sub>V<sub>B</sub>

BC

A

B

C

D

E

F

G

H

I

J

V<sub>a</sub>V<sub>b</sub>

BC