

Ceiling concealed

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

PEFY-P-  
VML-E/VMH-E

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| Model Name   | 20 | 25 | 32 | 40 | 50 | 63 | 71 | 80 | 100 | 125 | 140 | 200 | 250 |
|--------------|----|----|----|----|----|----|----|----|-----|-----|-----|-----|-----|
| PEFY-P-VML-E | ●  | ●  | ●  |    |    |    |    |    |     |     |     |     |     |
| PEFY-P-VMH-E |    |    |    | ●  | ●  | ●  | ●  | ●  | ●   | ●   | ●   | ●   | ●   |

|                             |                          |        | PEFY-P20VML-E                                  | PEFY-P25VML-E | PEFY-P32VML-E |
|-----------------------------|--------------------------|--------|--|---------------|---------------|
| Power source                |                          |        | ~ 220-240V 50Hz / 60Hz                         |               |               |
| Cooling capacity            | *1                       | kW     | 2.2  | 2.8           | 3.6           |
|                             | *1                       | BTU/h  | 7,500  | 9,550         | 12,280        |
|                             | *2                       | kW     | 2.3  | 2.9           | 3.7           |
|                             | *2                       | kcal/h | 2,000  | 2,500         | 3,150         |
| Heating capacity            | *1                       | kW     | 2.5  | 3.2           | 4.0           |
|                             | *1                       | BTU/h  | 8,530  | 10,750        | 13,640        |
|                             | *2                       | kW     | 2.6  | 3.3           | 4.1           |
|                             | *2                       | kcal/h | 2,250  | 2,800         | 3,550         |
| Power consumption (50/60Hz) | Cooling                  | kW     | 0.05/0.06                                      |               | 0.07/0.09     |
|                             | Heating                  | kW     | 0.05/0.06                                      |               | 0.07/0.09     |
| Current                     | Cooling                  | A      | 0.24/0.28                                      |               | 0.32/0.42     |
|                             | Heating                  | A      | 0.24/0.28                                      |               | 0.32/0.42     |
| External finish             |                          |        | Galvanizing                                    |               |               |
| Dimension H x W x D         |                          | mm     | 225 x 720 x 550                                |               |               |
| Net weight                  |                          | kg     | 18   |               |               |
| Heat exchanger              |                          |        | Cross fin (Aluminum plate fin and copper tube) |               |               |
| Fan                         | Type                     |        | Sirocco fanX 1                                 |               |               |
|                             | Airflow rate (Lo-Mid-Hi) |        | m <sup>3</sup> /min                            | 4.8-5.8-7.9   | 4.8-5.8-9.5   |
|                             | External static pressure |        | Pa   | 5             |               |
| Motor                       | Type                     |        | Single phase induction motor                   |               |               |
|                             | Output                   |        | kW   | 0.023         | 0.032         |
| Air filter                  |                          |        | PP Honeycomb fabric (washable)                 |               |               |
| Refrigerant pipe dimension  | Gas (Brazing)            | mm     | ø 12.7   |               |               |
|                             | Liquid (Brazing)         | mm     | ø 6.35   |               |               |
| Drain pipe dimension        |                          |        | R1 (External thread)                           |               |               |
| Noise level (Lo-Mid-Hi)     | *5                       | dB(A)  | 25-29-36                                       |               | 25-29-40      |

|                             |                             |           | PEFY-P40VMH-E                                   | PEFY-P50VMH-E                         | PEFY-P63VMH-E | PEFY-P71VMH-E     |
|-----------------------------|-----------------------------|-----------|---|---------------------------------------|---------------|-------------------|
| Power source                |                             |           | ~ 220-240V 50Hz / 60Hz                          |                                       |               |                   |
| Cooling capacity            | *1                          | kW        | 4.5   | 5.6                                   | 7.1           | 8.0               |
|                             | *1                          | BTU/h     | 15,350  | 19,100                                | 24,220        | 27,290            |
|                             | *2                          | kW        | 4.7   | 5.8                                   | 7.3           | 8.3               |
|                             | *2                          | kcal/h    | 4,000   | 5,000                                 | 6,300         | 7,100             |
| Heating capacity            | *1                          | kW        | 5.0   | 6.3                                   | 8.0           | 9.0               |
|                             | *1                          | BTU/h     | 17,060  | 21,500                                | 27,290        | 30,700            |
|                             | *2                          | kW        | 5.2   | 6.5                                   | 8.3           | 9.3               |
|                             | *2                          | kcal/h    | 4,500   | 5,600                                 | 7,100         | 8,000             |
| Power consumption (50/60Hz) | Cooling                     | kW        | 0.19/0.23                                       |                                       | 0.24/0.30     | 0.26/0.33         |
|                             | Heating                     | kW        | 0.19/0.23                                       |                                       | 0.24/0.30     | 0.26/0.33         |
| Current                     | Cooling                     | A         | 0.88/1.06                                       |                                       | 1.12/1.38     | 1.20/1.51         |
|                             | Heating                     | A         | 0.88/1.06                                       |                                       | 1.12/1.38     | 1.20/1.51         |
| External finish             |                             |           | Galvanizing                                     |                                       |               |                   |
| Dimension H x W x D         |                             | mm        | 380 x 750 x 900                                 |                                       |               | 380 x 1,000 x 900 |
| Net weight                  |                             | kg        | 44  | 45                                    | 50            |                   |
| Heat exchanger              |                             |           | Cross fin (Aluminum plate fin and copper tube)  |                                       |               |                   |
| Fan                         | Type                        |           | Sirocco fanX 1                                  |                                       |               |                   |
|                             | Airflow rate (Lo-Hi)        |           | m <sup>3</sup> /min                             | 10.0-14.0                             | 13.5-19.0     | 15.5-22.0         |
|                             | External static pressure *3 | 220V      | Pa  | 50/100/200                            |               |                   |
| 230, 240V                   |                             | Pa        | 100/150/200                                     |                                       |               |                   |
| Motor                       | Type                        |           | Single phase induction motor                    |                                       |               |                   |
|                             | Output *4                   |           | kW  | 0.08                                  | 0.12          | 0.14              |
| Air filter (option)         |                             |           | Synthetic fiber unwoven cloth filter(long life) |                                       |               |                   |
| Refrigerant pipe dimension  | Gas (Flare)                 | mm        | ø 12.7  | ø 12.7 (R410A)<br>ø 15.88 (R22,R407C) | ø 15.88       |                   |
|                             | Liquid (Flare)              | mm        | ø 6.35  | ø 6.35 (R410A)<br>ø 9.52 (R22,R407C)  | ø 9.52        |                   |
| Drain pipe dimension        |                             |           | 32 (1-1/4 inch)                                 |                                       |               |                   |
| Noise level (Lo-Hi)         | 220V                        | dB(A)     | 27-34   |                                       | 32-38         | 32-39             |
|                             | *5                          | 230, 240V | dB(A)   | 31-37                                 |               | 36-41             |

Note: \*1 Cooling/Heating capacity indicates the maximum value at operation under the following condition.  
Cooling : Indoor 27°CDB/19°CWB, Outdoor 35°CDB  
Heating : Indoor 20°CDB, Outdoor 7°CDB/6°CWB

\*2 Cooling capacity indicates the maximum value at operation under the following condition.  
Cooling : Indoor 27°CDB/19.5°CWB, Outdoor 35°CDB (WR2: water 30°C)  
Heating : Indoor 21°CDB, Outdoor 7°CDB/6°CWB (WR2: water 20°C)

\*3 The external static pressure is set to 100Pa (at 220V) /150Pa (at 230, 240V) at factory shipment.

\*4 The value are that at 240V.

\*5 It is measured in anechoic room.

|                             |                             |        | PEFY-P80VMH-E                                   | PEFY-P100VMH-E | PEFY-P125VMH-E                         | PEFY-P140VMH-E         |  |
|-----------------------------|-----------------------------|--------|---|----------------|--|------------------------|--|
| Power source                |                             |        | ~ 220-240V 50Hz /60Hz                           |                |  |                        |  |
| Cooling capacity            | *1                          | kW     | 9.0   | 11.2           | 14.0                                   | 16.0                   |  |
|                             | *1                          | BTU/h  | 30,700  | 38,200         | 47,750                                 | 54,580                 |  |
|                             | *2                          | kW     | 9.3   | 11.6           | 14.5                                   | 16.3                   |  |
|                             | *2                          | kcal/h | 8,000   | 10,000         | 12,500                                 | 14,000                 |  |
| Heating capacity            | *1                          | kW     | 10.0  | 12.5           | 16.0                                   | 18.0                   |  |
|                             | *1                          | BTU/h  | 34,120  | 42,650         | 54,580                                 | 61,400                 |  |
|                             | *2                          | kW     | 10.5  | 13.0           | 16.3                                   | 18.6                   |  |
|                             | *2                          | kcal/h | 9,000   | 11,200         | 14,000                                 | 16,000                 |  |
| Power consumption (50/60Hz) | Cooling                     | kW     | 0.32/0.40                                       |                | 0.48/0.58                              |                        |  |
|                             | Heating                     | kW     | 0.32/0.40                                       |                | 0.48/0.58                              |                        |  |
| Current                     | Cooling                     | A      | 1.47/1.83                                       |                | 2.34/2.66                              |                        |  |
|                             | Heating                     | A      | 1.47/1.83                                       |                | 2.34/2.66                              |                        |  |
| External finish             |                             |        | Galvanizing                                     |                |  |                        |  |
| Dimension H x W x D         |                             | mm     | 380 x 1,000 x 900                               |                | 380 x 1,200 x 900                      |                        |  |
| Net weight                  |                             | kg     | 50  |                | 70                                     |                        |  |
| Heat exchanger              |                             |        | Cross fin (Aluminum plate fin and copper tube)  |                |  |                        |  |
| Fan                         | Type                        |        | Sirocco fanX 1                                  |                | Sirocco fanX 2                         |                        |  |
|                             | Airflow rate (Lo-Hi)        |        | m <sup>3</sup> /min                             | 18.0-25.0      |  | 26.5-38.0<br>28.0-40.0 |  |
|                             | External static pressure *3 | 220V   | Pa  | 50/100/200     |  |                        |  |
| 230, 240V                   |                             | Pa     | 100/150/200                                     |                |  |                        |  |
| Motor                       | Type                        |        | Single phase induction motor                    |                |  |                        |  |
|                             | Output                      | *4 kW  | 0.18  |                | 0.26                                   |                        |  |
| Air filter (option)         |                             |        | Synthetic fiber unwoven cloth filter(long life) |                |  |                        |  |
| Refrigerant pipe dimension  | Gas (Flare)                 | mm     | ø 15.88   |                | ø 15.88 (R410A)<br>ø 19.05 (R22,R407C) |                        |  |
|                             | Liquid (Flare)              | mm     | ø 9.52  |                |  |                        |  |
| Drain pipe dimension        |                             |        | 32 (1-1/4 inch)                                 |                |  |                        |  |
| Noise level (Lo-Hi) *7      | 220V                        | dB(A)  | 35-41   |                | 34-42                                  |                        |  |
|                             | 230, 240V                   | dB(A)  | 38-43   |                | 38-44                                  |                        |  |

|                             |                             |        | PEFY-P200VMH-E                                  | PEFY-P250VMH-E |  |
|-----------------------------|-----------------------------|--------|---|----------------|--|
| Power source                |                             |        | 3N ~ 380-415V 50Hz / 60Hz                       |                |  |
| Cooling capacity            | *1                          | kW     | 22.4  | 28.0           |  |
|                             | *1                          | BTU/h  | 76,400  | 95,500         |  |
|                             | *2                          | kW     | 23.3  | 29.1           |  |
|                             | *2                          | kcal/h | 20,000  | 20,500         |  |
| Heating capacity            | *1                          | kW     | 25.0  | 31.5           |  |
|                             | *1                          | BTU/h  | 85,300  | 107,500        |  |
|                             | *2                          | kW     | 26.0  | 32.6           |  |
|                             | *2                          | kcal/h | 22,400  | 28,000         |  |
| Power consumption (50/60Hz) | Cooling                     | kW     | 0.99/1.14                                       |                |  |
|                             | Heating                     | kW     | 0.99/1.14                                       |                |  |
| Current                     | Cooling                     | A      | 1.62/1.86                                       |                |  |
|                             | Heating                     | A      | 1.62/1.86                                       |                |  |
| External finish             |                             |        | Galvanizing                                     |                |  |
| Dimension H x W x D         |                             | mm     | 470 x 1,250 x 1,120                             |                |  |
| Net weight                  |                             | kg     | 100   |                |  |
| Heat exchanger              |                             |        | Cross fin (Aluminum plate fin and copper tube)  |                |  |
| Fan                         | Type                        |        | Sirocco fanX 2                                  |                |  |
|                             | Airflow rate                |        | m <sup>3</sup> /min                             | 58.0<br>72.0   |  |
|                             | External static pressure *5 | 380V   | Pa  | 110/220        |  |
| 400, 415V                   |                             | Pa     | 130/260   |                |  |
| Motor                       | Type                        |        | 3-phase induction motor                         |                |  |
|                             | Output                      | *6 kW  | 0.76<br>1.08                                    |                |  |
| Air filter (option)         |                             |        | Synthetic fiber unwoven cloth filter(long life) |                |  |
| Refrigerant pipe dimension  | Gas (Brazing)               | mm     | ø 19.05 (R410A)<br>ø 25.4 (R22,R407C)           |                |  |
|                             | Liquid (Brazing)            | mm     | ø 9.52 (R410A)<br>ø 12.7 (R22,R407C)            |                |  |
| Drain pipe dimension        |                             |        | 32 (1-1/4 inch)                                 |                |  |
| Noise level *7              | 380V                        | dB(A)  | 42(110Pa)/45(220Pa)                             |                |  |
|                             | 400, 415V                   | dB(A)  | 44(130Pa)/47(260Pa)                             |                |  |
|                             |                             |        | 50(110Pa)/52(220Pa)<br>52(130Pa)/54(260Pa)      |                |  |

Note: \*1 Cooling/Heating capacity indicates the maximum value at operation under the following condition.  
Cooling : Indoor 27°CDB/19°CWB, Outdoor 35°CDB  
Heating : Indoor 20°CDB, Outdoor 7°CDB/6°CWB

\*2 Cooling capacity indicates the maximum value at operation under the following condition.  
Cooling : Indoor 27°CDB/19.5°CWB, Outdoor 35°CDB (WR2: water 30°C)  
Heating : Indoor 21°CDB, Outdoor 7°CDB/6°CWB (WR2: water 20°C)

\*3 The external static pressure is set to 100Pa (at 220V) /150Pa (at 230, 240V) at factory shipment.  
\*4 The value are that at 240V.  
\*5 The external static pressure is set to 110Pa (at 380V) /130Pa (at 400, 415V) at factory shipment.  
\*6 The value are that at 415V.  
\*7 It is measured in anechoic room.

# 2. Capacity Tables

## 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)

| Unit size<br>(Rated kW) | Outdoor air temp.<br>°CDB | Indoor air temp.   |     |                  |     |                  |     |                  |     |                  |     |                  |     |                  |     |
|-------------------------|---------------------------|--------------------|-----|------------------|-----|------------------|-----|------------------|-----|------------------|-----|------------------|-----|------------------|-----|
|                         |                           | 21.5°CDB<br>15°CWB |     | 23°CDB<br>16°CWB |     | 25°CDB<br>18°CWB |     | 27°CDB<br>19°CWB |     | 28°CDB<br>20°CWB |     | 30°CDB<br>22°CWB |     | 32°CDB<br>24°CWB |     |
|                         |                           | CA                 | SHC | CA               | SHC | CA               | SHC | CA               | SHC | CA               | SHC | CA               | SHC | CA               | SHC |
| 20<br>(2.2)             | 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 |
|                         | 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 |
|                         | 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 |
|                         | 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 |
|                         | 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 |
|                         | 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 |
|                         | 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 |
|                         | 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 |
|                         | 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 |
| 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)             | 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 |
|                         | 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 |
|                         | 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 |
|                         | 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 |
|                         | 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 |
|                         | 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 |
|                         | 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 |
|                         | 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 |
|                         | 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 |
| 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)             | 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 |
|                         | 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 |
|                         | 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 |
|                         | 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 |
|                         | 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 |
|                         | 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 |
|                         | 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 |
|                         | 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 |
|                         | 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 |
| 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)             | 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 |
|                         | 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 |
|                         | 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 |
|                         | 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 |
|                         | 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 |
|                         | 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 |
|                         | 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 |
|                         | 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 |
|                         | 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 |
| 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)             | 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 |
|                         | 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 |
|                         | 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 |
|                         | 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 |
|                         | 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 |
|                         | 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 |
|                         | 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 |
|                         | 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 |
|                         | 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 |
| 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)             | 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 |
|                         | 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 |
|                         | 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 |
|                         | 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 |
|                         | 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 |
|                         | 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 |
|                         | 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 |
|                         | 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 |
|                         | 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 |
| 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)             | 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 |
|                         | 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 |
|                         | 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 |
|                         | 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 |
|                         | 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 |
|                         | 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 |
|                         | 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 |
|                         | 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 |
|                         | 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 |
| 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              |     |

## Cooling capacity in combination with PUHY,PUY,PURY-P200,250YGM

PEFY-P-VML-E,VMH-E CA :Capacity(kW)  
SHC:Sensible Heat Capacity(kW)

| Unit size<br>(Rated kW) | Outdoor air temp.<br>°CDB | Indoor air temp.   |      |                  |      |                  |      |                  |      |                  |      |                  |      |                  |      |
|-------------------------|---------------------------|--------------------|------|------------------|------|------------------|------|------------------|------|------------------|------|------------------|------|------------------|------|
|                         |                           | 21.5°CDB<br>15°CWB |      | 23°CDB<br>16°CWB |      | 25°CDB<br>18°CWB |      | 27°CDB<br>19°CWB |      | 28°CDB<br>20°CWB |      | 30°CDB<br>22°CWB |      | 32°CDB<br>24°CWB |      |
|                         |                           | CA                 | SHC  | CA               | SHC  | CA               | SHC  | CA               | SHC  | CA               | SHC  | CA               | SHC  | CA               | SHC  |
| 80<br>(9.0)             | 20.0                      | 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  |
|                         | 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  |
|                         | 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  |
|                         | 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  |
|                         | 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  |
|                         | 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  |
|                         | 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  |
|                         | 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  |
|                         | 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  |
| 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)           | 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  |
|                         | 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  |
|                         | 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  |
|                         | 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  |
|                         | 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  |
|                         | 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  |
|                         | 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  |
|                         | 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  |
|                         | 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  |
| 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)           | 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 |
|                         | 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 |
|                         | 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 |
|                         | 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 |
|                         | 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 |
|                         | 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  |
|                         | 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  |
|                         | 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  |
|                         | 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  |
| 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)           | 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 |
|                         | 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 |
|                         | 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 |
|                         | 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 |
|                         | 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 |
|                         | 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 |
|                         | 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 |
|                         | 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 |
|                         | 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 |
| 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)           | 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 |
|                         | 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 |
|                         | 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 |
|                         | 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 |
|                         | 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 |
|                         | 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 |
|                         | 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 |
|                         | 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 |
|                         | 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 |
| 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)           | 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 |
|                         | 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 |
|                         | 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 |
|                         | 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 |
|                         | 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 |
|                         | 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 |
|                         | 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 |
|                         | 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 |
|                         | 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 |
| 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             |      |

PEFY-P-VML-E/VMH-E

## 2.1b. Heating capacity in combination with PUHY,PUY,PURY-P200,250YGM

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

SHC:Sensible Heat Capacity(kW)

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

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

## 2.2a. Cooling capacity in combination with PUHY,PUY,PURY-P300,350,400YGM

PEFY-P-VML-E,VMH-E CA :Capacity(kW)  
SHC:Sensible Heat Capacity(kW)

| Unit size<br>(Rated kW) | Outdoor air temp.<br>°CDB | Indoor air temp.   |     |                  |     |                  |     |                  |     |                  |     |                  |     |                  |     |
|-------------------------|---------------------------|--------------------|-----|------------------|-----|------------------|-----|------------------|-----|------------------|-----|------------------|-----|------------------|-----|
|                         |                           | 21.5°CDB<br>15°CWB |     | 23°CDB<br>16°CWB |     | 25°CDB<br>18°CWB |     | 27°CDB<br>19°CWB |     | 28°CDB<br>20°CWB |     | 30°CDB<br>22°CWB |     | 32°CDB<br>24°CWB |     |
|                         |                           | CA                 | SHC | CA               | SHC | CA               | SHC | CA               | SHC | CA               | SHC | CA               | SHC | CA               | SHC |
| 20<br>(2.2)             | 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 |
|                         | 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 |
|                         | 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 |
|                         | 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 |
|                         | 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 |
|                         | 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 |
|                         | 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 |
|                         | 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 |
|                         | 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 |
| 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)             | 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 |
|                         | 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 |
|                         | 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 |
|                         | 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 |
|                         | 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 |
|                         | 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 |
|                         | 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 |
|                         | 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 |
|                         | 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 |
| 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)             | 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 |
|                         | 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 |
|                         | 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 |
|                         | 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 |
|                         | 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 |
|                         | 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 |
|                         | 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 |
|                         | 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 |
|                         | 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 |
| 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)             | 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 |
|                         | 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 |
|                         | 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 |
|                         | 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 |
|                         | 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 |
|                         | 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 |
|                         | 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 |
|                         | 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 |
|                         | 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 |
| 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)             | 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 |
|                         | 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 |
|                         | 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 |
|                         | 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 |
|                         | 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 |
|                         | 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 |
|                         | 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 |
|                         | 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 |
|                         | 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 |
| 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)             | 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 |
|                         | 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 |
|                         | 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 |
|                         | 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 |
|                         | 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 |
|                         | 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 |
|                         | 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 |
|                         | 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 |
|                         | 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 |
| 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)             | 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 |
|                         | 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 |
|                         | 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 |
|                         | 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 |
|                         | 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 |
|                         | 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 |
|                         | 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 |
|                         | 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 |
|                         | 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 |
| 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              |     |

PEFY-P-VML-E/VMH-E

# Cooling capacity in combination with PUHY,PUY,PURY-P300,350,400YGM

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

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

PEFY-P-VML-E/VMH-E

| Unit size<br>(Rated kW) | Outdoor air temp.<br>°CDB | Indoor air temp.   |      |                  |      |                  |      |                  |      |                  |      |                  |      |                  |      |
|-------------------------|---------------------------|--------------------|------|------------------|------|------------------|------|------------------|------|------------------|------|------------------|------|------------------|------|
|                         |                           | 21.5°CDB<br>15°CWB |      | 23°CDB<br>16°CWB |      | 25°CDB<br>18°CWB |      | 27°CDB<br>19°CWB |      | 28°CDB<br>20°CWB |      | 30°CDB<br>22°CWB |      | 32°CDB<br>24°CWB |      |
|                         |                           | CA                 | SHC  | CA               | SHC  | CA               | SHC  | CA               | SHC  | CA               | SHC  | CA               | SHC  | CA               | SHC  |
| 80<br>(9.0)             | 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  |
|                         | 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  |
|                         | 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  |
|                         | 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  |
|                         | 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  |
|                         | 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  |
|                         | 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  |
|                         | 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  |
|                         | 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  |
| 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)           | 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  |
|                         | 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  |
|                         | 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  |
|                         | 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  |
|                         | 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  |
|                         | 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  |
|                         | 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  |
|                         | 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  |
|                         | 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  |
| 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)           | 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 |
|                         | 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 |
|                         | 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 |
|                         | 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 |
|                         | 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 |
|                         | 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  |
|                         | 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  |
|                         | 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  |
|                         | 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  |
| 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)           | 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 |
|                         | 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 |
|                         | 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 |
|                         | 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 |
|                         | 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 |
|                         | 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 |
|                         | 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 |
|                         | 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 |
|                         | 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 |
| 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)           | 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 |
|                         | 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 |
|                         | 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 |
|                         | 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 |
|                         | 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 |
|                         | 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 |
|                         | 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 |
|                         | 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 |
|                         | 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 |
| 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)           | 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 |
|                         | 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 |
|                         | 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 |
|                         | 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 |
|                         | 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 |
|                         | 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 |
|                         | 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 |
|                         | 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 |
|                         | 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 |
| 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             |      |



## 2.2b. Heating capacity in combination with PUHY,PUY,PURY-P300,350,400YGM

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

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

SHC:Sensible Heat Capacity(kW)

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

PEFY-P-  
VML-E/VMH-E

**2.3a. Cooling capacity in combination with PUHY,PURY-P500,650YGM**

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

**PEFY-P-VML-E,VMH-E**

**PEFY-P-VML-E/VMH-E**

| Unit size<br>(Rated kW) | Outdoor air temp.<br>°CDB | Indoor air temp.   |     |                  |     |                  |     |                  |     |                  |     |                  |     |                  |     |
|-------------------------|---------------------------|--------------------|-----|------------------|-----|------------------|-----|------------------|-----|------------------|-----|------------------|-----|------------------|-----|
|                         |                           | 21.5°CDB<br>15°CWB |     | 23°CDB<br>16°CWB |     | 25°CDB<br>18°CWB |     | 27°CDB<br>19°CWB |     | 28°CDB<br>20°CWB |     | 30°CDB<br>22°CWB |     | 32°CDB<br>24°CWB |     |
|                         |                           | CA                 | SHC | CA               | SHC | CA               | SHC | CA               | SHC | CA               | SHC | CA               | SHC | CA               | SHC |
| 20<br>(2.2)             | 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 |
|                         | 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 |
|                         | 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 |
|                         | 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 |
|                         | 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 |
|                         | 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 |
|                         | 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 |
|                         | 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 |
|                         | 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 |
|                         | 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)             | 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 |
|                         | 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 |
|                         | 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 |
|                         | 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 |
|                         | 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 |
|                         | 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 |
|                         | 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 |
|                         | 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 |
|                         | 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 |
|                         | 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)             | 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 |
|                         | 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 |
|                         | 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 |
|                         | 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 |
|                         | 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 |
|                         | 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 |
|                         | 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 |
|                         | 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 |
|                         | 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 |
|                         | 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)             | 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 |
|                         | 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 |
|                         | 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 |
|                         | 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 |
|                         | 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 |
|                         | 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 |
|                         | 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 |
|                         | 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 |
|                         | 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 |
|                         | 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)             | 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 |
|                         | 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 |
|                         | 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 |
|                         | 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 |
|                         | 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 |
|                         | 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 |
|                         | 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 |
|                         | 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 |
|                         | 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 |
|                         | 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)             | 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 |
|                         | 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 |
|                         | 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 |
|                         | 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 |
|                         | 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 |
|                         | 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 |
|                         | 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 |
|                         | 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 |
|                         | 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 |
|                         | 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)             | 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 |
|                         | 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 |
|                         | 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 |
|                         | 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 |
|                         | 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 |
|                         | 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 |
|                         | 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 |
|                         | 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 |
|                         | 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 |
|                         | 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 |

### Cooling capacity in combination with PUHY,PURY-P500,650YGM

**PEFY-P-VML-E,VMH-E** CA :Capacity(kW)  
SHC:Sensible Heat Capacity(kW)

| Unit size<br>(Rated kW) | Outdoor air temp. | Indoor air temp.   |      |                  |      |                  |      |                  |      |                  |      |                  |      |                  |      |
|-------------------------|-------------------|--------------------|------|------------------|------|------------------|------|------------------|------|------------------|------|------------------|------|------------------|------|
|                         |                   | 21.5°CDB<br>15°CWB |      | 23°CDB<br>16°CWB |      | 25°CDB<br>18°CWB |      | 27°CDB<br>19°CWB |      | 28°CDB<br>20°CWB |      | 30°CDB<br>22°CWB |      | 32°CDB<br>24°CWB |      |
|                         |                   | °CDB               | CA   | SHC              | CA   | SHC              | CA   | SHC              | CA   | SHC              | CA   | SHC              | CA   | SHC              | CA   |
| 80<br>(9.0)             | 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  |
|                         | 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  |
|                         | 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  |
|                         | 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  |
|                         | 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  |
|                         | 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  |
|                         | 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  |
|                         | 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  |
|                         | 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  |
|                         | 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)           | 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  |
|                         | 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  |
|                         | 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  |
|                         | 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  |
|                         | 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  |
|                         | 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  |
|                         | 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  |
|                         | 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  |
|                         | 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  |
|                         | 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)           | 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 |
|                         | 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 |
|                         | 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 |
|                         | 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 |
|                         | 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 |
|                         | 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 |
|                         | 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 |
|                         | 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  |
|                         | 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  |
|                         | 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)           | 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 |
|                         | 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 |
|                         | 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 |
|                         | 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 |
|                         | 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 |
|                         | 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 |
|                         | 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 |
|                         | 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 |
|                         | 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 |
|                         | 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)           | 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 |
|                         | 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 |
|                         | 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 |
|                         | 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 |
|                         | 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 |
|                         | 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 |
|                         | 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 |
|                         | 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 |
|                         | 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 |
|                         | 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)           | 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 |
|                         | 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 |
|                         | 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 |
|                         | 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 |
|                         | 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 |
|                         | 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 |
|                         | 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 |
|                         | 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 |
|                         | 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 |
|                         | 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 |

**PEFY-P-VML-E/VMH-E**

## 2.3b. Heating capacity in combination with PUHY,PURY-P500,650YGM

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

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

SHC:Sensible Heat Capacity(kW)

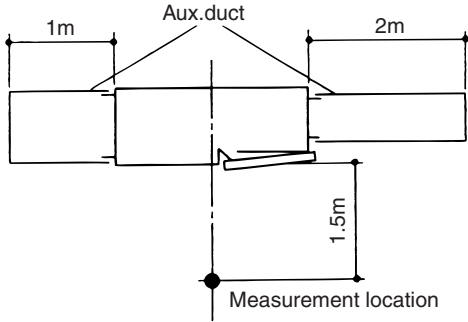
| Unit size<br>(Rated kW) | Outdoor air temp.<br>°CWB | Indoor air temp.:°CDB |      |      |      |
|-------------------------|---------------------------|-----------------------|------|------|------|
|                         |                           | 15.0                  | 20.0 | 25.0 | 27.0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



# 3. Sound Levels

## 3.1 Noise levels(VML-E)

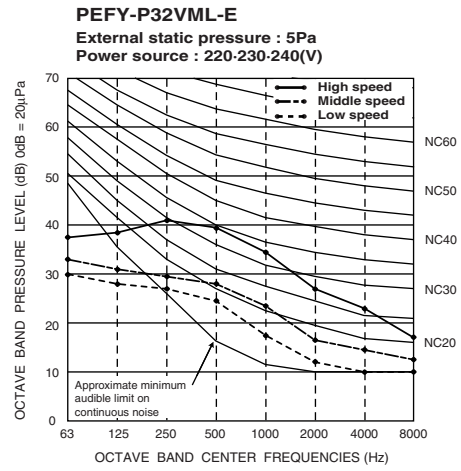
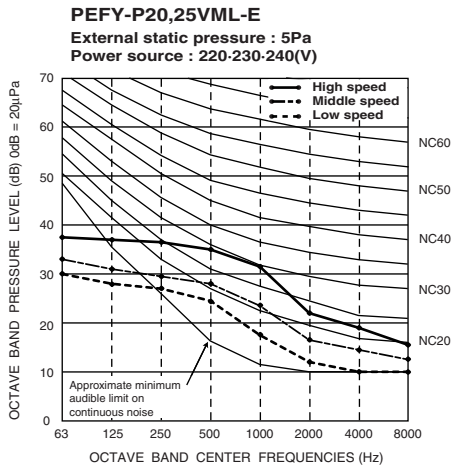
① Rear inlet model1



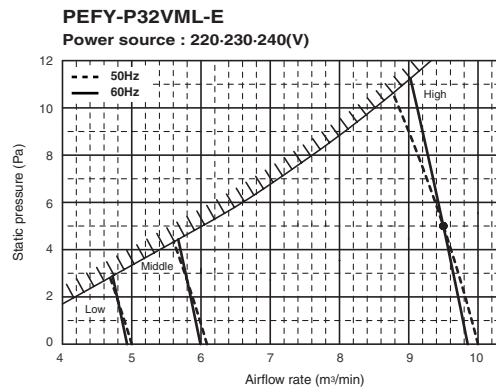
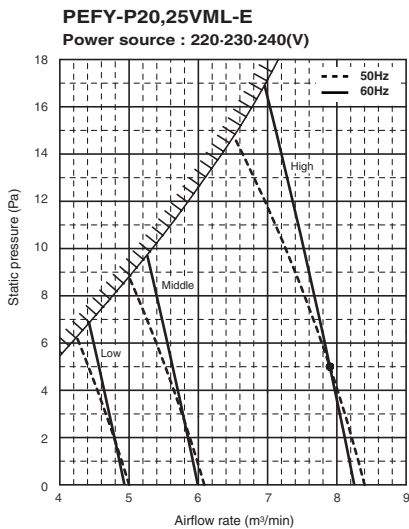
Noise level at anechoic room (Low-Mid-High) Unit : dB(A)

| Model                          | Noise level (A weighted) |
|--------------------------------|--------------------------|
| PEFY-P20VML-E<br>PEFY-P25VML-E | 25-29-36                 |
| PEFY-P32VML-E                  | 25-29-40                 |

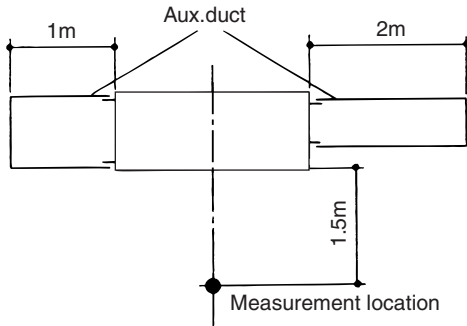
## 3.2 NC curves(VML-E)



## 3.3 Fan characteristics curves(VML-E)



### 3.4 Noise levels(VMH-E)



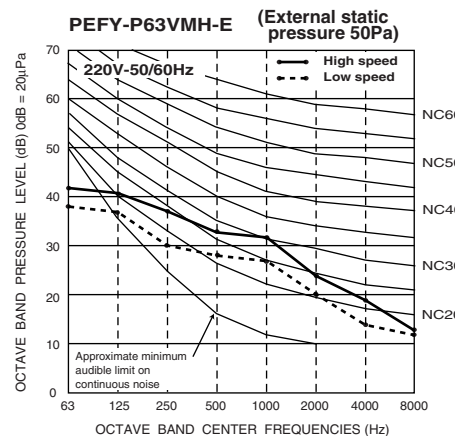
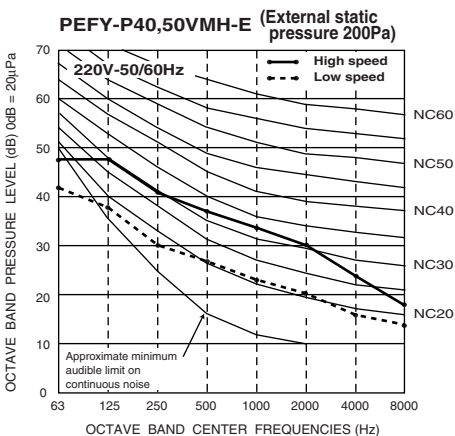
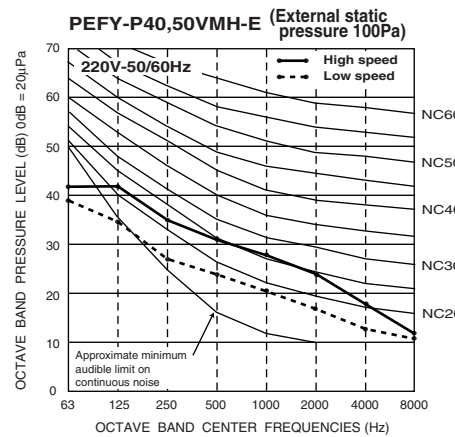
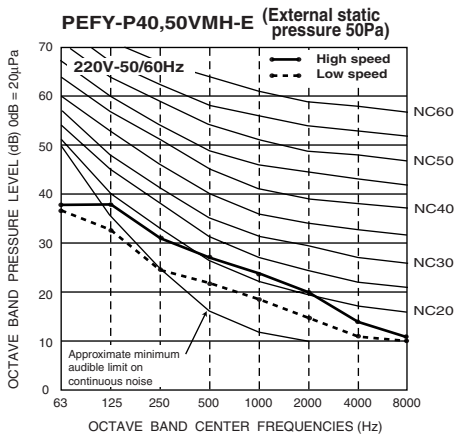
- \* PEFY-P40~140VMH-E  
 Low : 50Pa (at 220V) / 100Pa (at 230, 240V)  
 Mid : 100Pa (at 220V) / 150Pa (at 230, 240V)  
 High : 200Pa (at 220, 230, 240V)
- \* PEFY-P200, 250VMH-E  
 Low : 110Pa (at 380V) / 130Pa (at 400, 415V)  
 High : 220Pa (at 380V) / 260Pa (at 400, 415V)

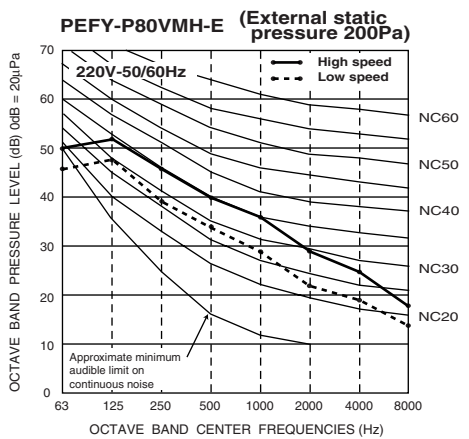
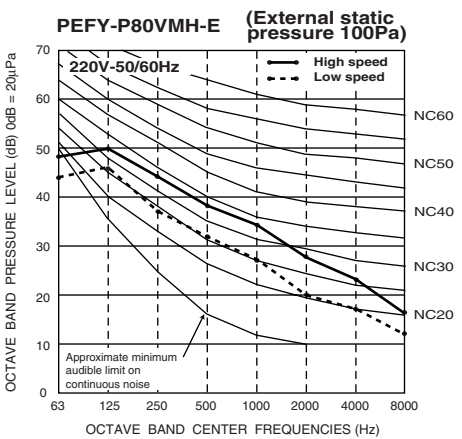
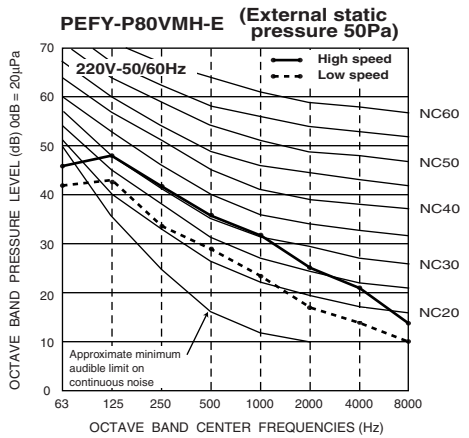
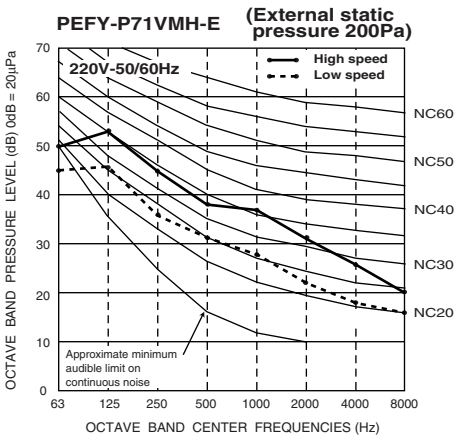
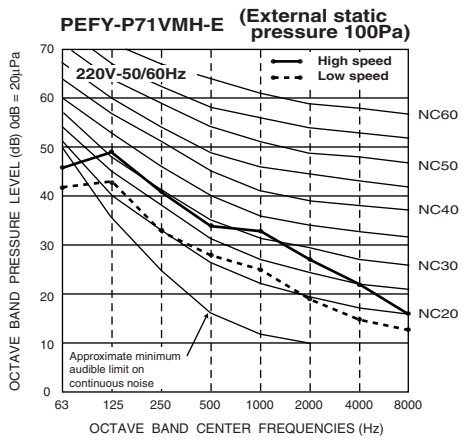
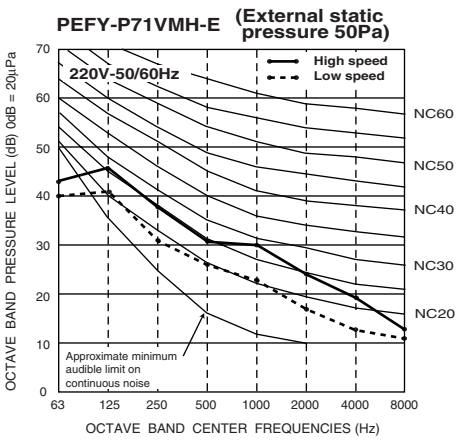
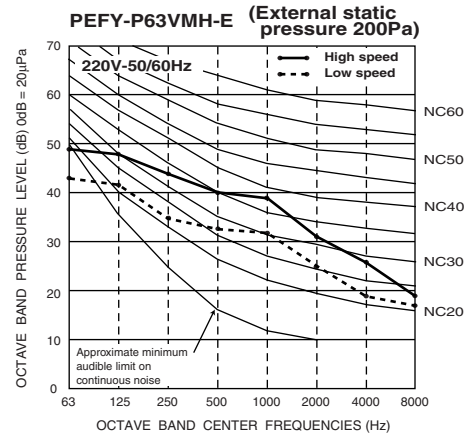
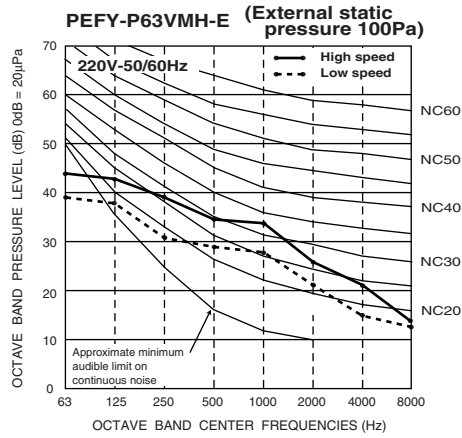
Noise level at anechoic room (Low-High) Unit : dB(A)

| Model                       |           | External static pressure* |       |       |
|-----------------------------|-----------|---------------------------|-------|-------|
|                             |           | Low                       | Mid   | High  |
| PEFY-P40, 50<br>VMH-E       | 220V      | 25-30                     | 27-34 | 30-40 |
|                             | 230, 240V | 30-34                     | 31-37 | 31-41 |
| PEFY-<br>P63VMH-E           | 220V      | 31-36                     | 32-38 | 36-43 |
|                             | 230, 240V | 35-39                     | 36-41 | 38-44 |
| PEFY-<br>P71VMH-E           | 220V      | 30-36                     | 32-39 | 35-43 |
|                             | 230, 240V | 34-39                     | 35-41 | 37-44 |
| PEFY-<br>P80VMH-E           | 220V      | 32-39                     | 35-41 | 37-43 |
|                             | 230, 240V | 37-41                     | 38-43 | 39-45 |
| PEFY-P100,<br>125, 140VMH-E | 220V      | 32-40                     | 34-42 | 36-46 |
|                             | 230, 240V | 36-42                     | 38-44 | 38-47 |
| PEFY-<br>P200VMH-E          | 380V      | 42                        | -     | 45    |
|                             | 400, 415V | 44                        | -     | 47    |
| PEFY-<br>P250VMH-E          | 380V      | 50                        | -     | 52    |
|                             | 400, 415V | 52                        | -     | 54    |

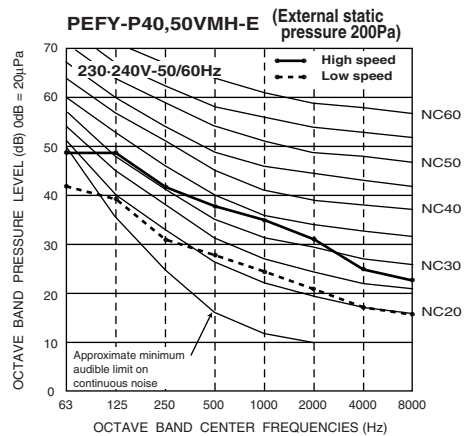
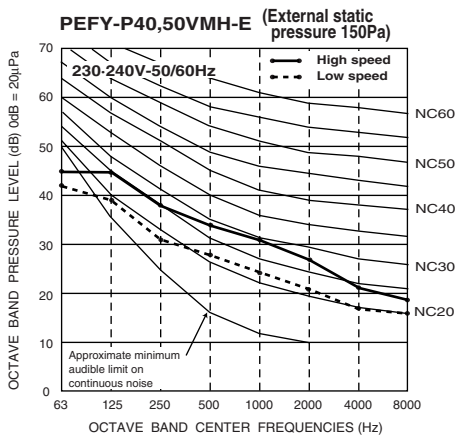
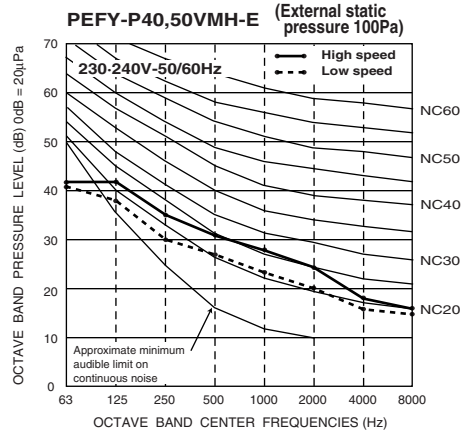
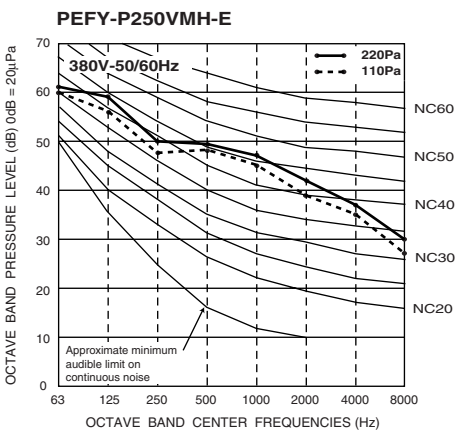
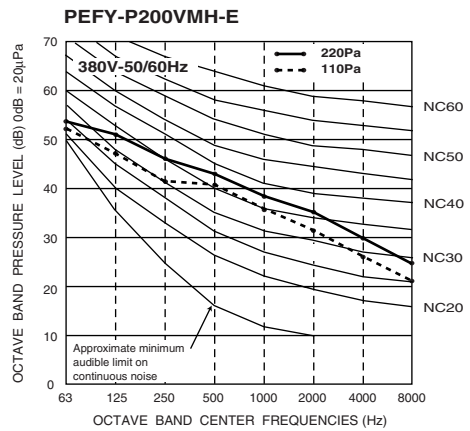
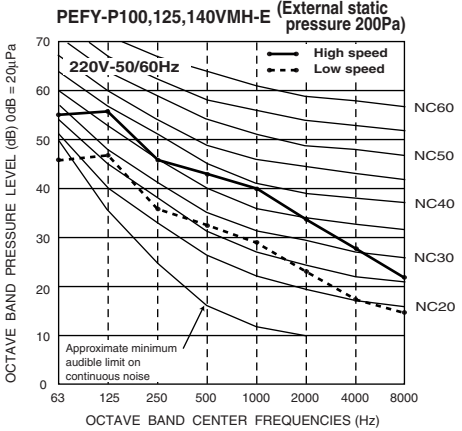
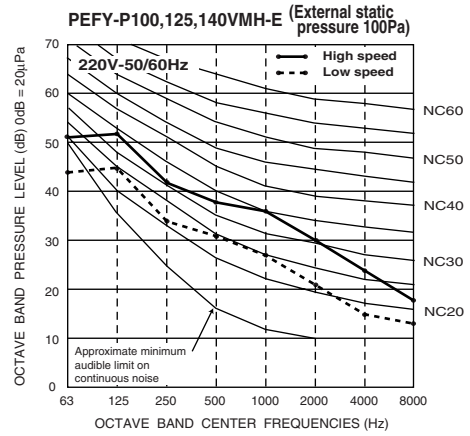
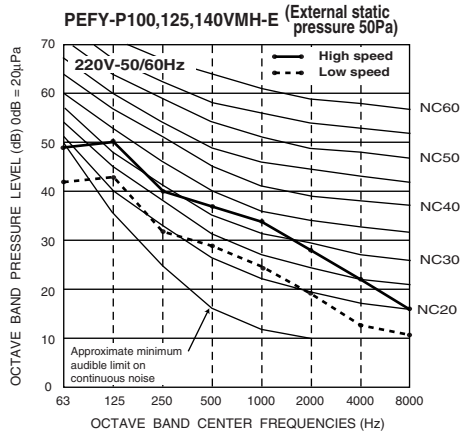
PEFY-P-  
VML-E/VMH-E

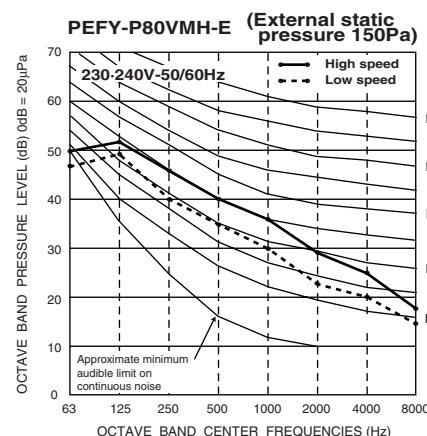
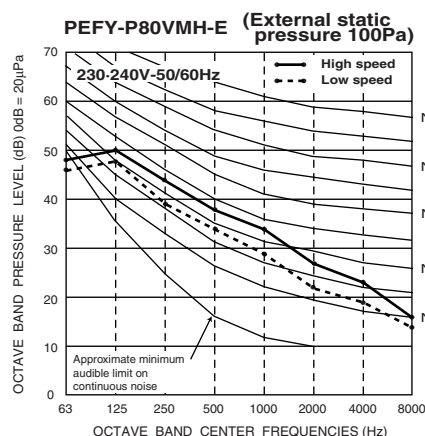
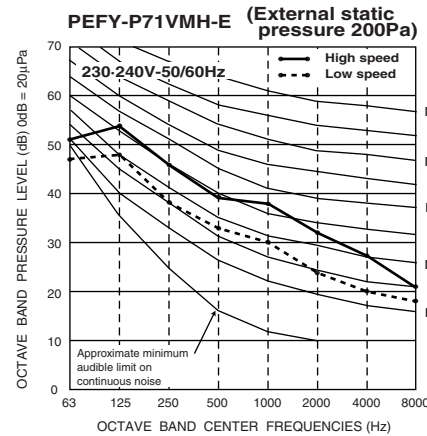
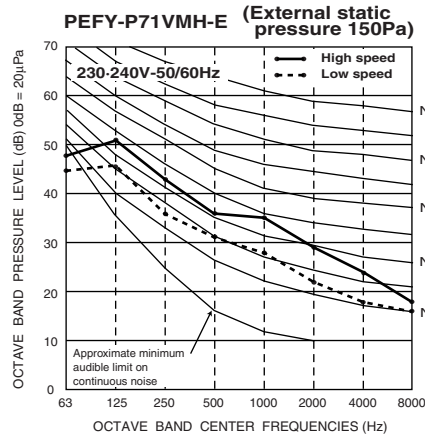
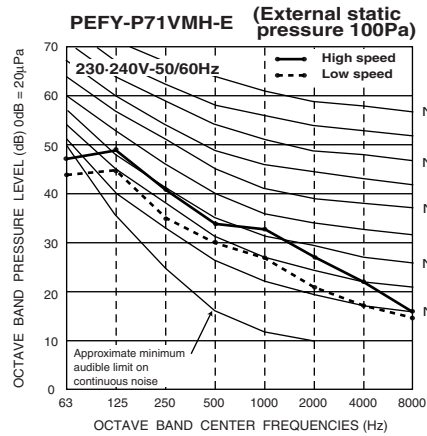
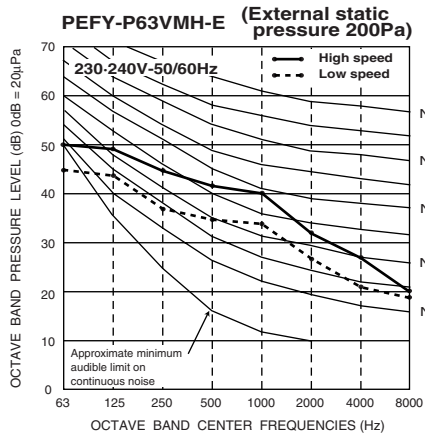
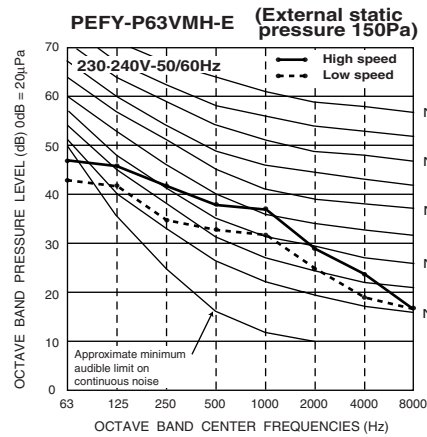
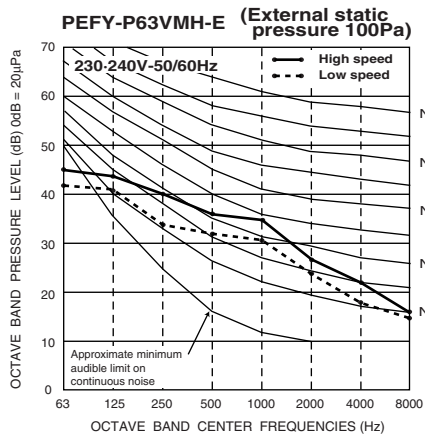
### 3.5 NC curves(VMH-E)

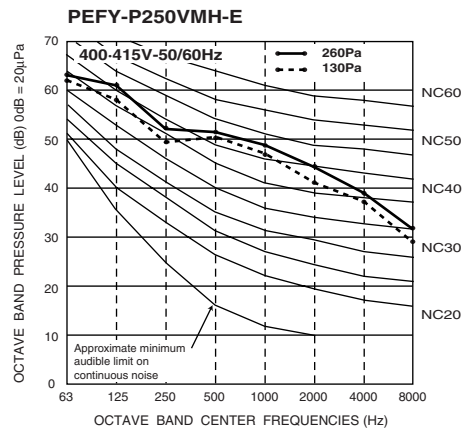
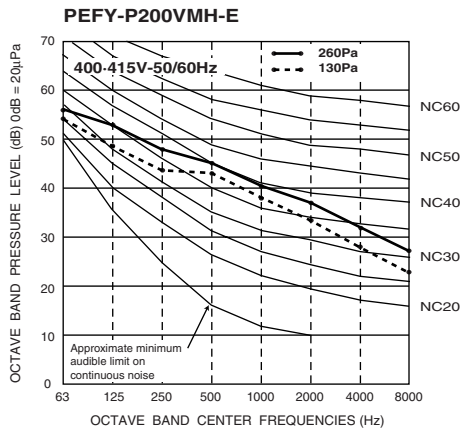
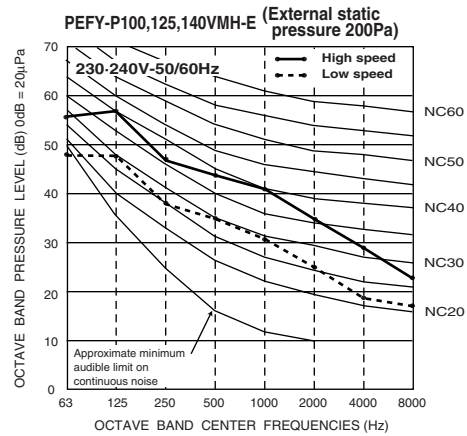
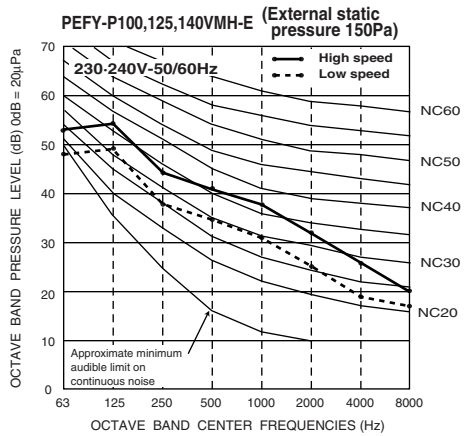
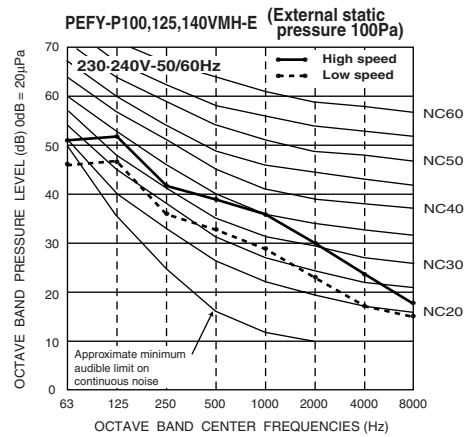
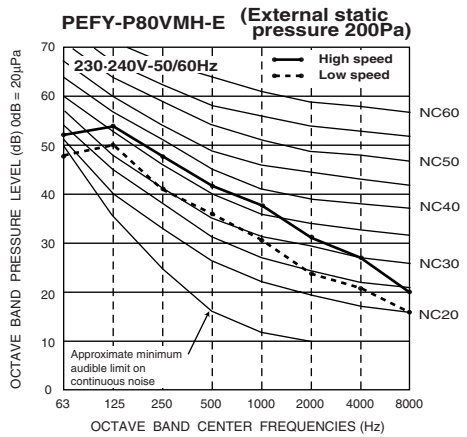






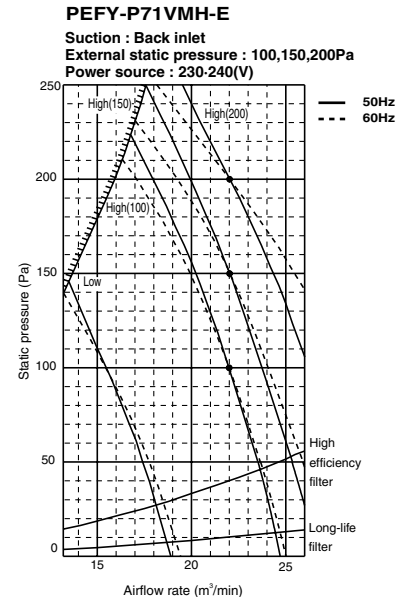
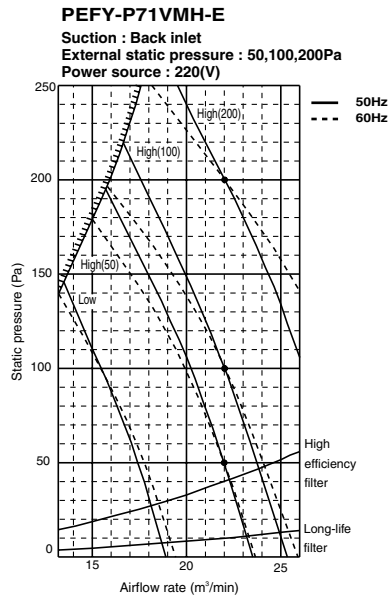
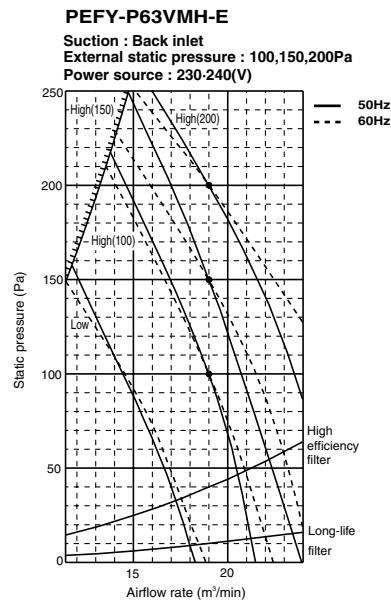
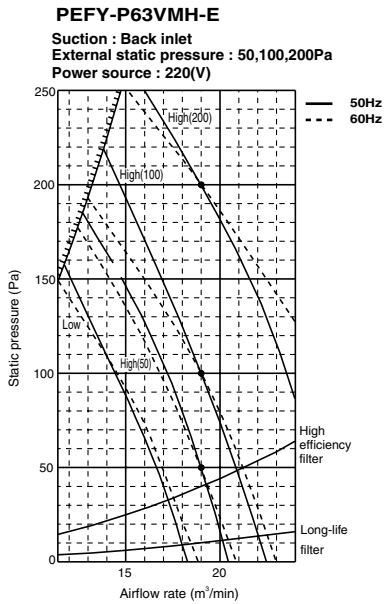
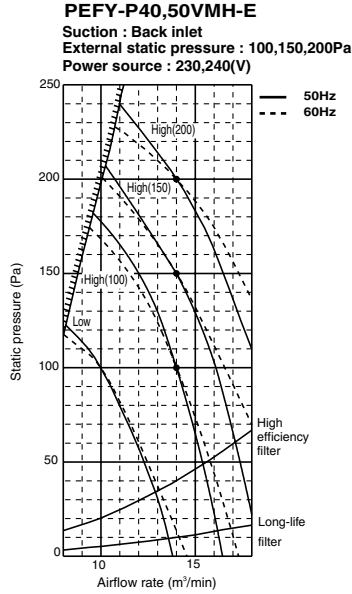
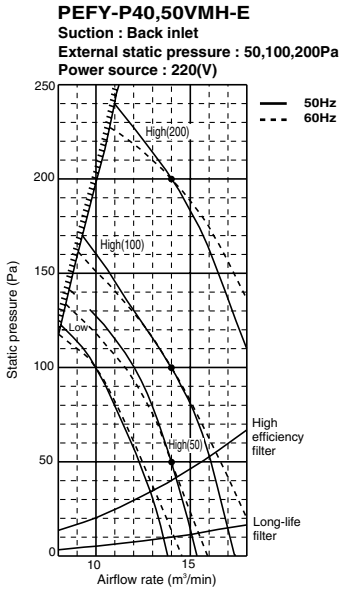






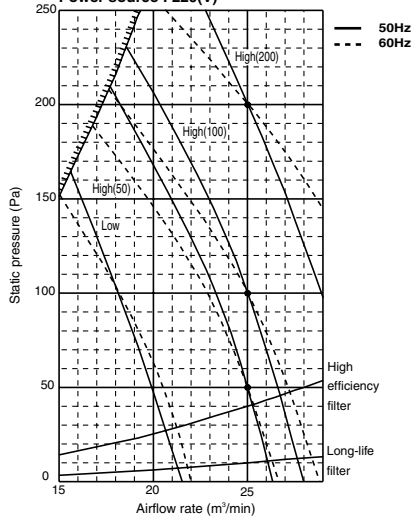
### 3.6 Fan characteristics curves(VMH-E)

PEFY-P-  
VMI-E/VMH-E



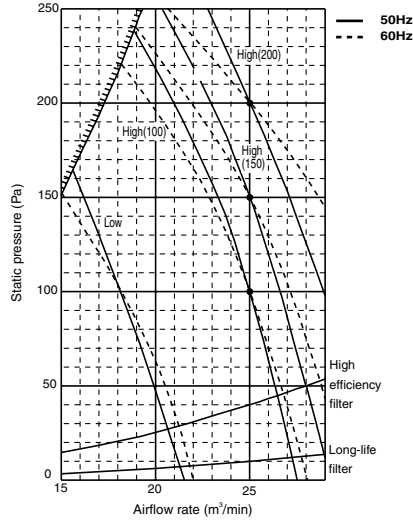
**PEFY-P80VMH-E**

Suction : Back inlet  
External static pressure : 50,100,200Pa  
Power source : 220(V)



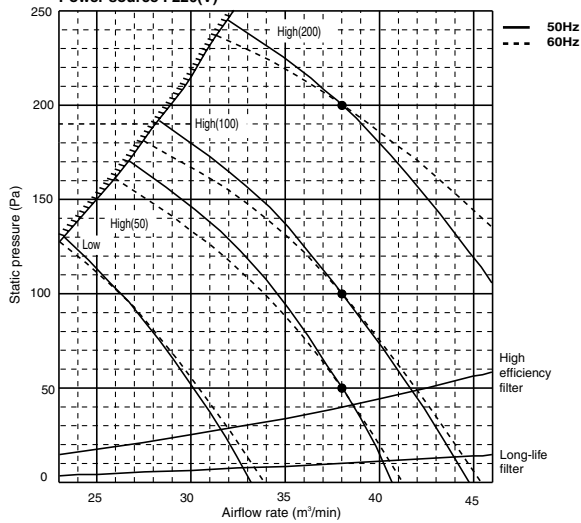
**PEFY-P80VMH-E**

Suction : Back inlet  
External static pressure : 100,150,200Pa  
Power source : 230-240(V)



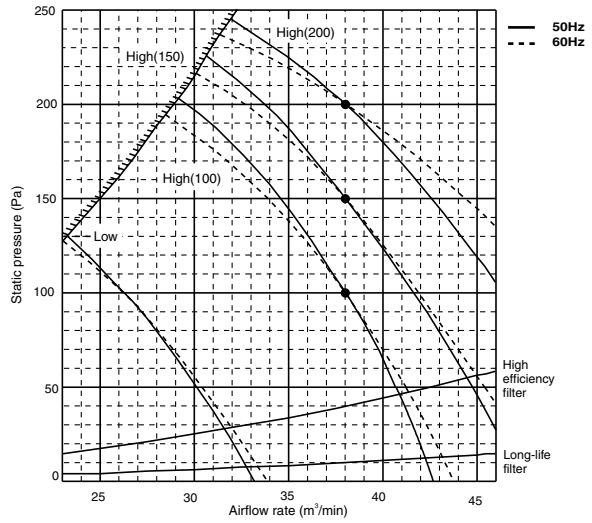
**PEFY-P100-125VMH-E**

Suction : Back inlet  
External static pressure : 50,100,200Pa  
Power source : 220(V)



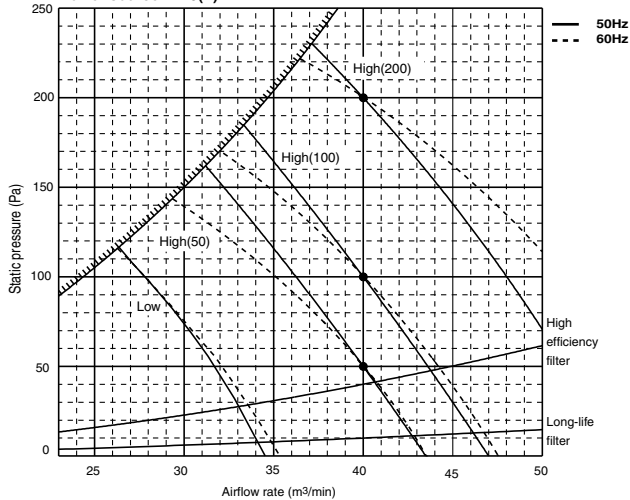
**PEFY-P100-125VMH-E**

Suction : Back inlet  
External static pressure : 100,150,200Pa  
Power source : 230-240(V)



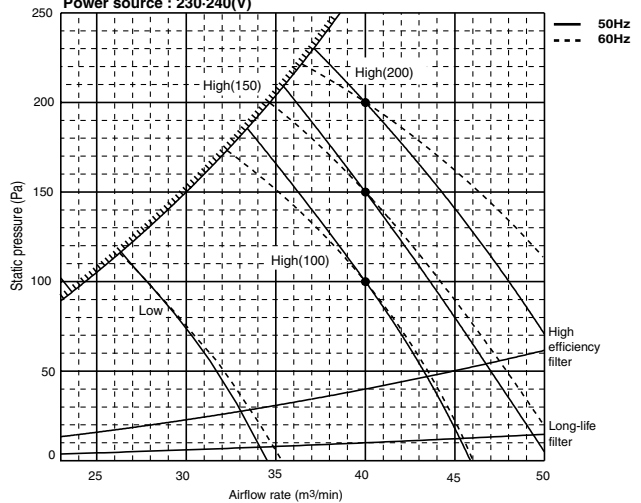
**PEFY-P140VMH-E**

Suction : Back inlet  
External static pressure : 50,100,200Pa  
Power source : 220(V)



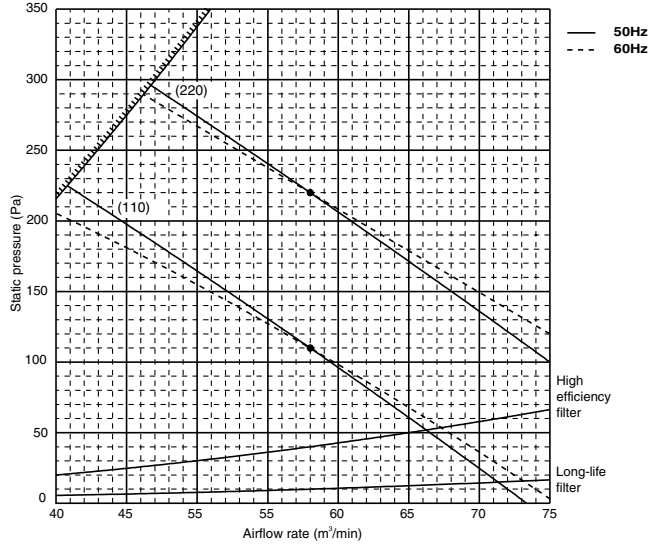
**PEFY-P140VMH-E**

Suction : Back inlet  
External static pressure : 100,150,200Pa  
Power source : 230-240(V)



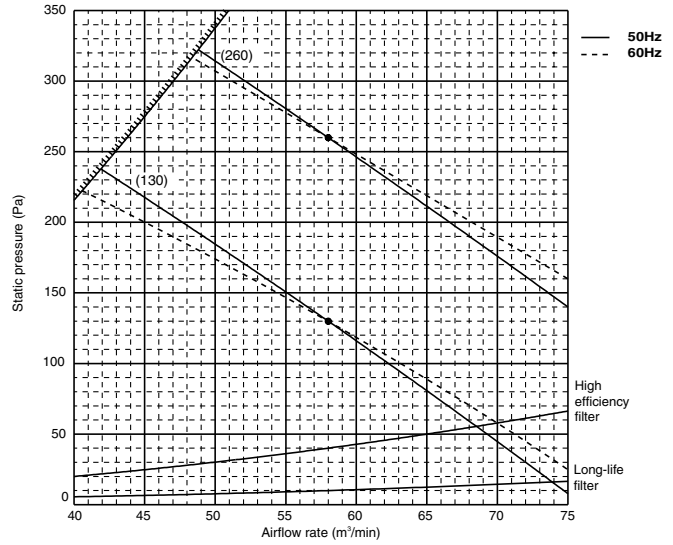
**PEFY-P200VMH-E**

Suction : Back inlet  
 External static pressure : 110,220Pa  
 Power source : 380(V)



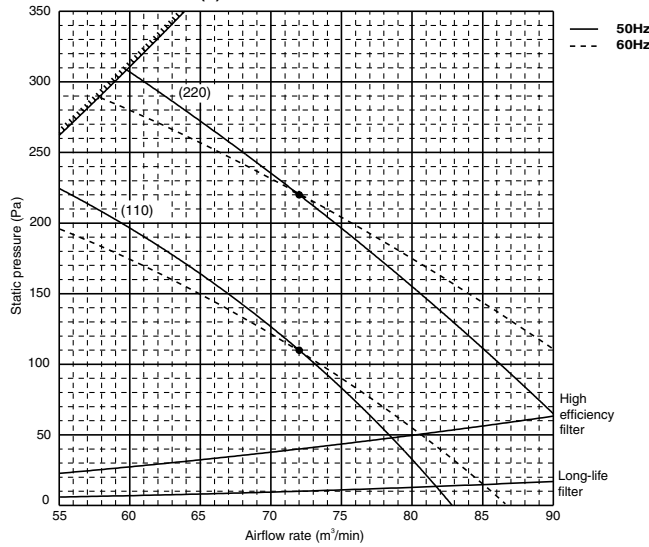
**PEFY-P200VMH-E**

Suction : Back inlet  
 External static pressure : 130,260Pa  
 Power source : 400-415(V)



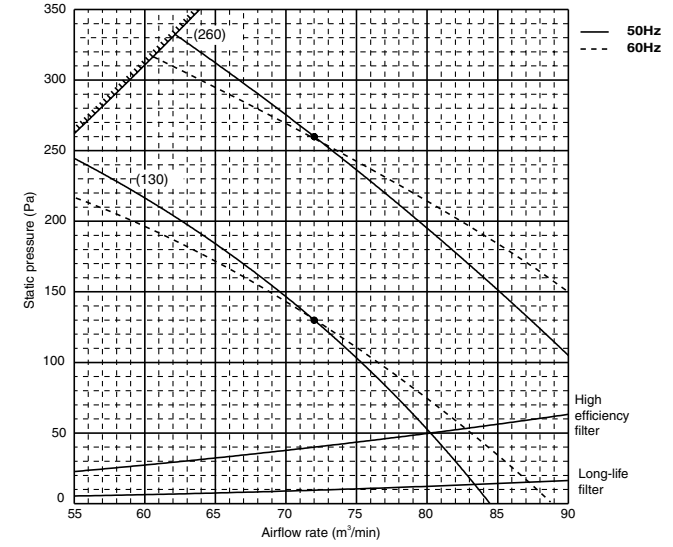
**PEFY-P250VMH-E**

Suction : Back inlet  
 External static pressure : 110,220Pa  
 Power source : 380(V)



**PEFY-P250VMH-E**

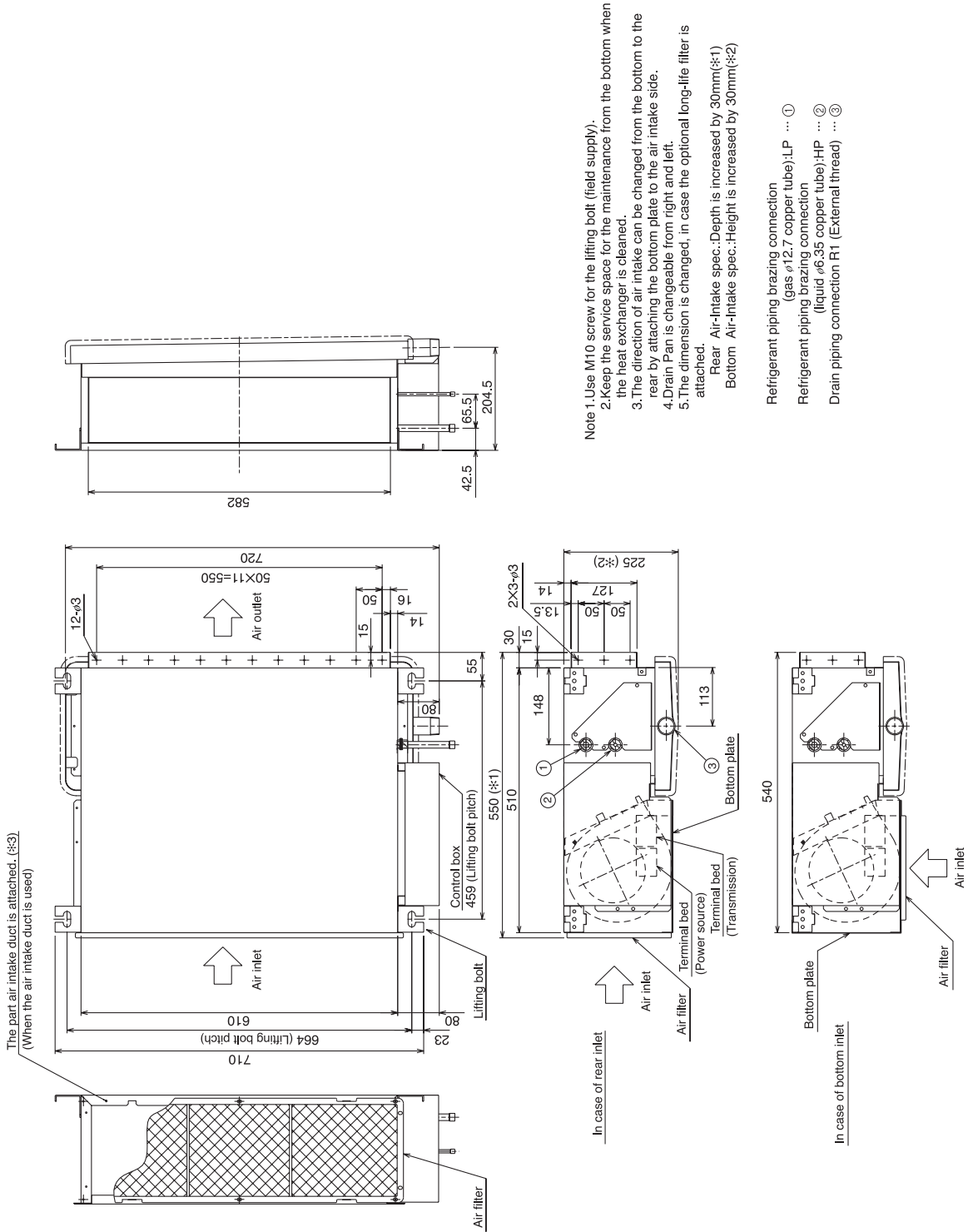
Suction : Back inlet  
 External static pressure : 130,260Pa  
 Power source : 400-415(V)



# 4. External Dimensions

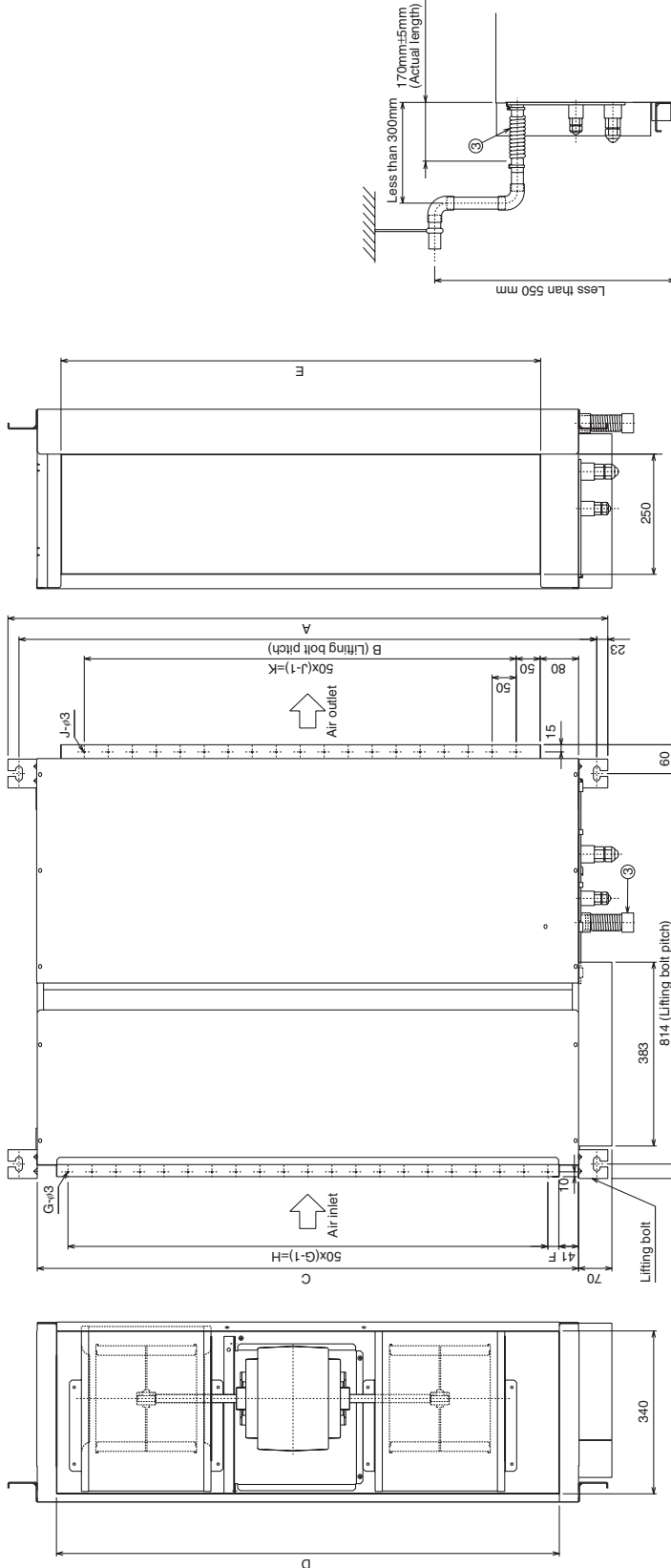
PEFY-P20,25,32VML-E

Unit : mm

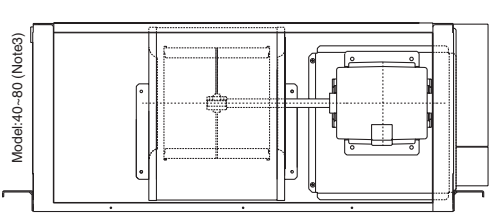
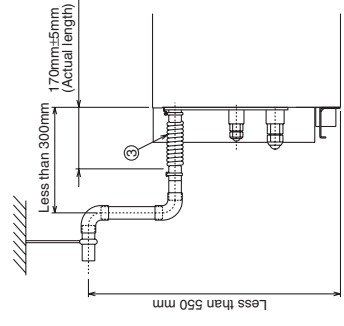


PEFY-P-  
VML-E/VMLH-E

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



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



| Model             | A    | B    | C    | D    | E    | F  | G  | H    | J  | K   | L    | M      | N     | P(Liquid) | P(Gas) |
|-------------------|------|------|------|------|------|----|----|------|----|-----|------|--------|-------|-----------|--------|
| P40VMH-E          | 800  | 754  | 680  | 600  | 550  | 50 | 11 | 500  | 10 | 450 | 780  | φ12.7  | φ6.35 | 17        | 27     |
| P50VMH-E          | 800  | 754  | 680  | 600  | 550  | 50 | 11 | 500  | 10 | 450 | 780  | φ12.7  | φ6.35 | φ12.7     | φ21    |
| P63VMH-E          | 800  | 754  | 680  | 600  | 550  | 50 | 11 | 500  | 10 | 450 | 780  | φ15.88 | φ9.52 | φ9.52     | φ22    |
| P71-80VMH-E       | 1050 | 1004 | 930  | 850  | 800  | 25 | 17 | 800  | 15 | 700 | 1030 | φ15.88 | φ9.52 | φ9.52     | φ22    |
| P100-125-140VMH-E | 1250 | 1204 | 1130 | 1050 | 1000 | 25 | 21 | 1000 | 19 | 900 | 1230 | φ15.88 | φ9.52 | φ9.52     | φ22    |

- Unit : mm
- Note : 1. Use M10 screw for the lifting bolt (field supply).  
 2. Keep the service error for 100mm from the bottom when the heat exchanger is cleaned.  
 3. This chart is for PEFY-P100,125,140VMH-E models, which have 2 fans.  
 PEFY-P40-50-63-71-80 models have 1 fan.  
 4. 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.  
 5. On Model:50, 100, 125, 140, you would use flare nut packed with the indoor Unit, when connecting the Outdoor Unit for R407C, R32.  
 6. In order to increase the strength of the flare nut, the size of some of them has been increased.
- Refrigerant piping flare connection (gas M copper tube) : LP ... ①  
 Refrigerant piping flare connection (liquid N copper tube) : LP ... ②  
 Drain hose 32mm(1-1/4inch) <flexible joint 200mm> (accessory) ... ③



Keep duct-work length 850mm or more.



**PEFY-P200, 250VMH-E**

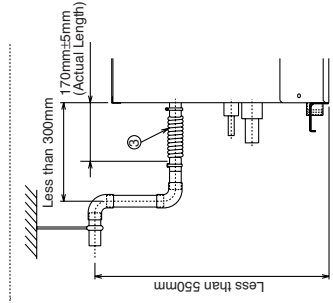
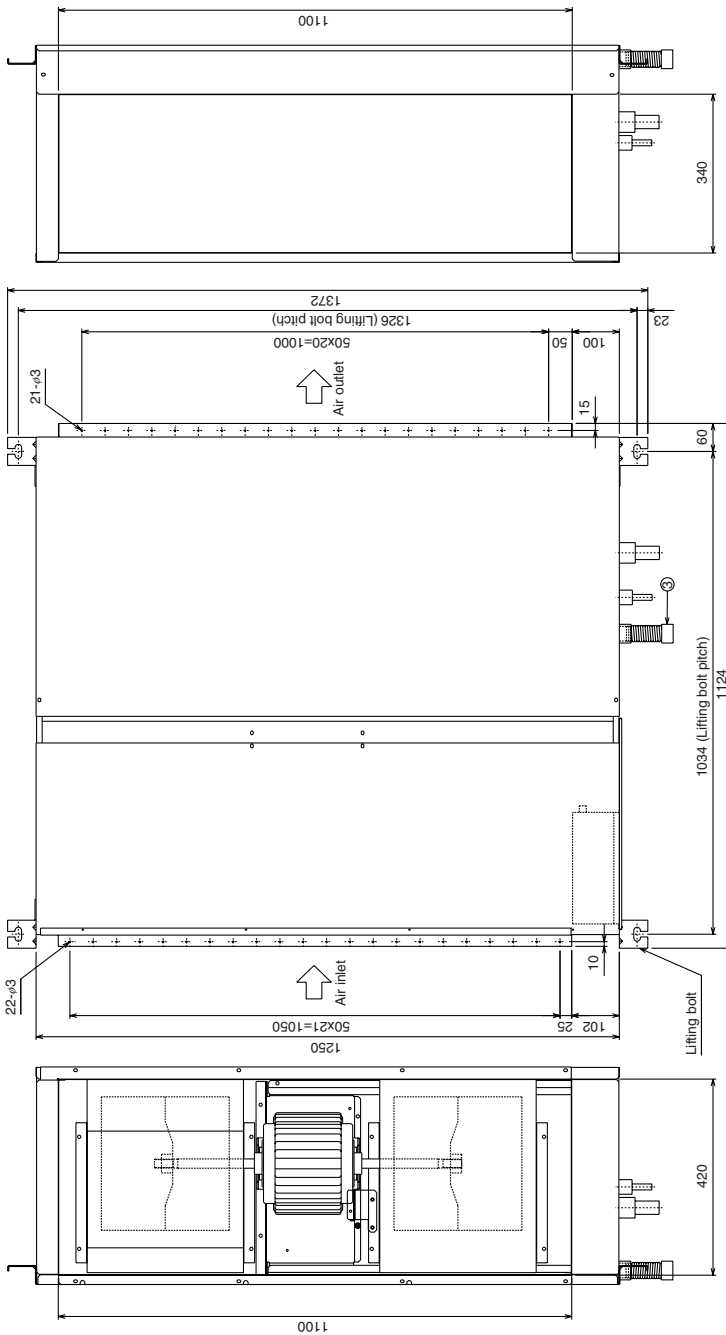
Unit : mm

- 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.

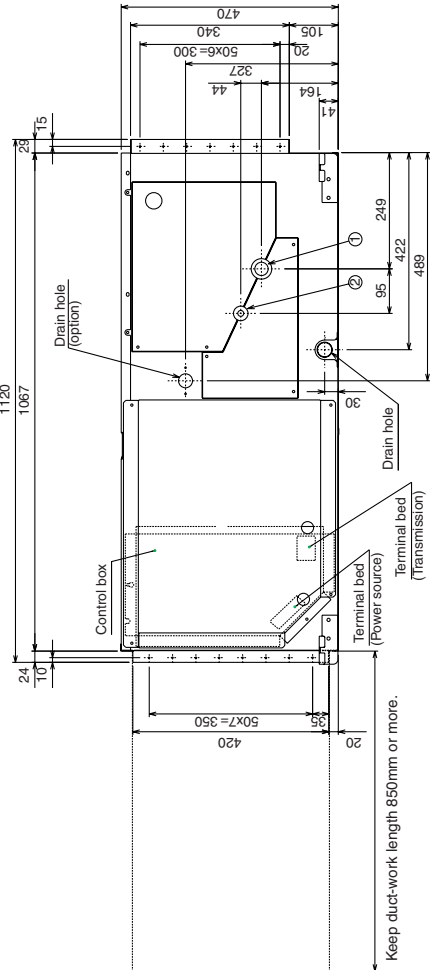
| Model     | A          | B         |
|-----------|------------|-----------|
| P200VMH-E | ※1: φ19.05 | ※1: φ9.52 |
|           | ※2: φ25.4  | ※2: φ12.7 |
| P250VMH-E | ※1: φ22.2  | ※1: φ9.52 |
|           | ※2: φ28.58 | ※2: φ12.7 |

※1: R410A outdoor unit  
 ※2: R407C, R22 outdoor unit

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



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



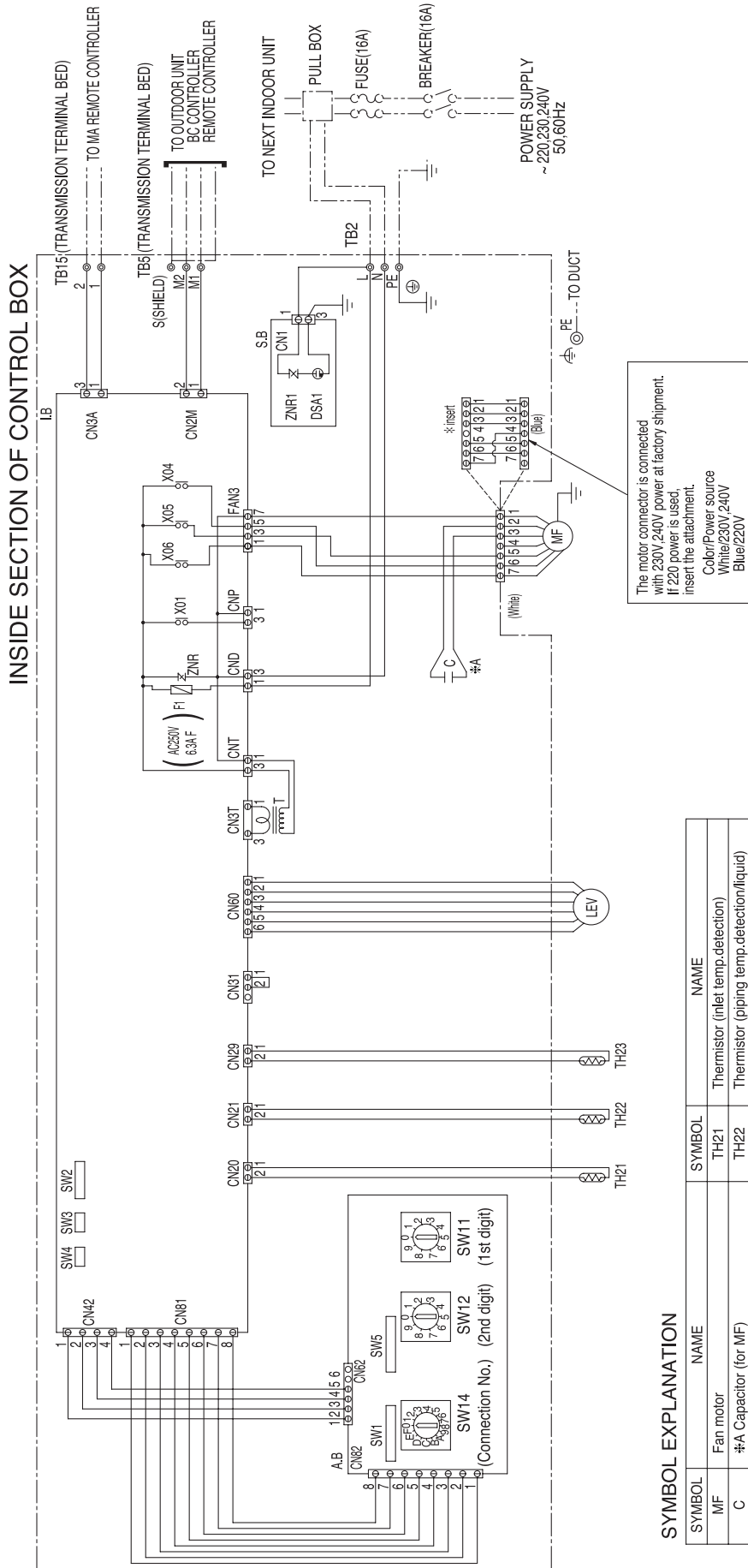
Keep duct-work length 850mm or more.

**PEFY-P-  
 VMH-E/VMH-E**

# 5. Electrical Wiring Diagrams

## PEFY-P20,25,32VML-E

PEFY-P-  
VML-E/VMIH-E



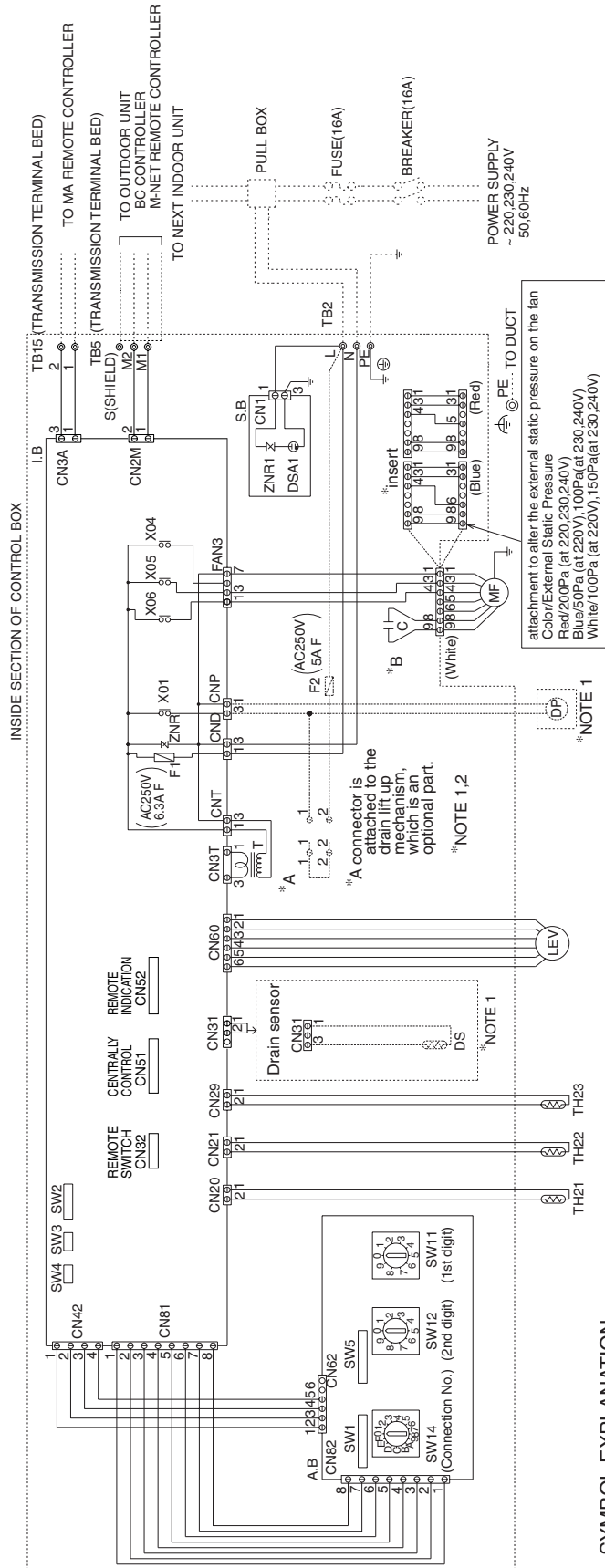
**NOTE :** 1. The wirings to TB2, TB5 shown in dotted line are field work.  
2. Mark ⊙ indicates terminal bed, ⊖ connector, ⊕ board insertion connector or fastening connector of control board.

#A Capacitor  
MODELS 20/25 1.5μF  
MODEL 32 2.0μF

**SYMBOL EXPLANATION**

| SYMBOL  | NAME                            | SYMBOL    | NAME                                      |
|---------|---------------------------------|-----------|---|
| MF      | Fan motor                       | TH21      | Thermistor (inlet temp.detection)         |
| C       | #A 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



## 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         | SW11(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 model selection)               |
| <DP>   | Drain Pump                        | SW4(LB)   | Switch (for model selection)               |
| LEV    | Electronic linear expansion 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.

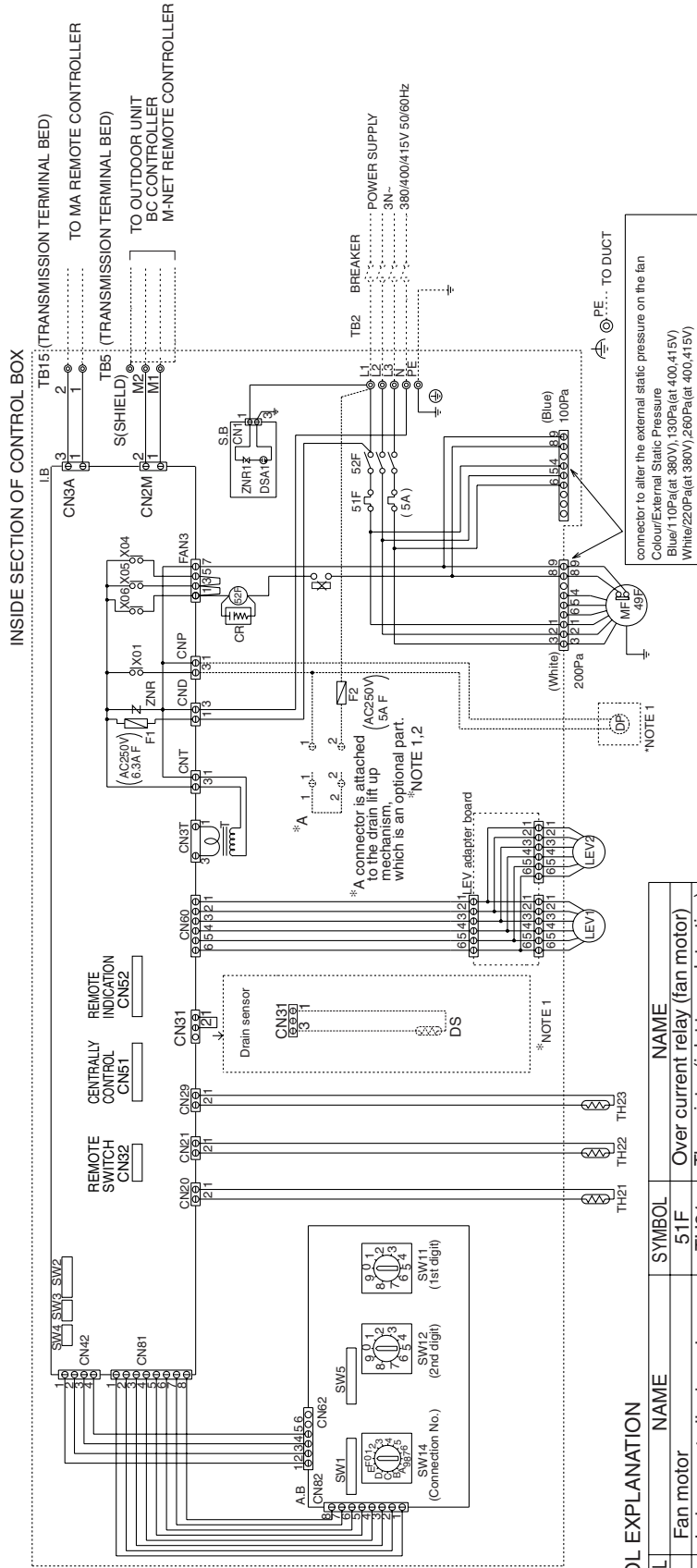
3. The wirings to TB2, TB5 (shown in dotted line) are field work.

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 7.0μF

# PEFY-P200,250VMH-E

**PEFY-P-  
VML-E/VMH-E**



## 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)            |
| F1        | Fuse AC250V 6.3A F              | SW14(A.B) | Switch (connection No.set)                |
| <F2>      | Fuse AC250V 5A F                | SW1(A.B)  | Switch(for mode selection)                |
| T         | Transformer                     | SW2(L.B)  | Switch(for capacity code)                 |
| <DP>      | Drain Pump                      | SW3(L.B)  | Switch(for mode selection)                |
| LEV1,LEV2 | Electronic linear expans. 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       | Contactor (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.)  
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.

## 6. Options

| Description             | Model         | Applicable capacity                             |
|-------------------------|---------------|---|
| Long life filter        | PAC-KE32LAF-F | P20/P25/P32                                     |
|                         | PAC-KE86LAF   | P40/P50/P63                                     |
|                         | PAC-KE88LAF   | P71/P80   |
|                         | PAC-KE89LAF   | P100/P125/P140                                  |
|                         | PAC-KE85LAF   | P200/P250                                       |
| Filter box              | PAC-KE63TB-F  | P40/P50/P63                                     |
|                         | PAC-KE80TB-F  | P71/P80   |
|                         | PAC-KE140TB-F | P100/P125/P140                                  |
|                         | PAC-KE250TB-F | P200/P250                                       |
| Drain water lift-up kit | PAC-KE04DM-F  | P40/P50/P63/P71/P80/P100<br>P125/P140/P200/P250 |

PEFY-P-  
VML-E/VMH-E

