

1. SPECIFICATIONS

YKB/YLM

| Model | | | PUHY-P200YKB-A1 (-BS) | PUHY-P250YKB-A1 (-BS) | |
|--|------------------------------|-----------------------------|---|--|----------------|
| Power source | | | 3-phase 4-wire 380-400-415 V 50/60 Hz | 3-phase 4-wire 380-400-415 V 50/60 Hz | |
| Cooling capacity (Nominal) | *1 | kW | 22.4 | 28.0 | |
| | | kcal/h | 20,000 | 25,000 | |
| | | BTU/h | 76,400 | 95,500 | |
| | *1 | Power input | kW | 5.19 | 6.88 |
| | | Current input | A | 8.7-8.3-8.0 | 11.6-11.0-10.6 |
| | | EER | kW/kW | 4.31 | 4.06 |
| Temp. range of cooling | Indoor | W.B. | 15.0~24.0°C (59~75°F) | 15.0~24.0°C (59~75°F) | |
| | Outdoor | D.B. | -5.0~52.0°C (23~126°F) | -5.0~52.0°C (23~126°F) | |
| Heating capacity (Nominal) | *2 | kW | 25.0 | 31.5 | |
| | | kcal/h | 21,500 | 27,100 | |
| | | BTU/h | 85,300 | 107,500 | |
| | *2 | Power input | kW | 5.81 | 7.34 |
| | | Current input | A | 9.8-9.3-8.9 | 12.3-11.7-11.3 |
| | | COP | kW/kW | 4.30 | 4.29 |
| Temp. range of heating | Indoor | D.B. | 15.0~27.0°C (59~81°F) | 15.0~27.0°C (59~81°F) | |
| | Outdoor | W.B. | -20.0~15.5°C (-4~60°F) | -20.0~15.5°C (-4~60°F) | |
| Indoor unit connectable | Total capacity | | 50~130% of outdoor unit capacity | 50~130% of outdoor unit capacity | |
| | Model/Quantity | | P15~P250/1~17 | P15~P250/1~21 | |
| Sound pressure level (measured in anechoic room) | dB <A> | | 57 | 59 | |
| Sound power level (measured in anechoic room) | dB <A> | | 78 | 79 | |
| Refrigerant piping diameter | Liquid pipe | mm (in.) | 9.52 (3/8) Brazed | 9.52 (3/8) Brazed (12.7 (1/2) Brazed, farthest length >= 90 m) | |
| | Gas pipe | mm (in.) | 22.2 (7/8) Brazed | 22.2 (7/8) Brazed | |
| FAN | Type x Quantity | | Propeller fan x 1 | Propeller fan x 1 | |
| | Air flow rate | m ³ /min | 175 | 175 | |
| | | L/s | 2,917 | 2,917 | |
| | | cfm | 6,179 | 6,179 | |
| | Control, Driving mechanism | | Inverter-control, Direct-driven by motor | Inverter-control, Direct-driven by motor | |
| | Motor output | kW | 0.92 x 1 | 0.92 x 1 | |
| *3 External static press. | | 0 Pa (0 mmH ₂ O) | 0 Pa (0 mmH ₂ O) | | |
| Compressor | Type x Quantity | | Inverter scroll hermetic compressor | Inverter scroll hermetic compressor | |
| | Manufacture | | AC&R Works, MITSUBISHI ELECTRIC CORPORATION | AC&R Works, MITSUBISHI ELECTRIC CORPORATION | |
| | Starting method | | Inverter | Inverter | |
| | Motor output | kW | 5.5 | 6.9 | |
| | Case heater | kW | - | - | |
| | Lubricant | | MEL32 | MEL32 | |
| External finish | | | Pre-coated galvanized steel sheets (+powder coating for -BS type) <MUNSELL 5Y 8/1 or similar> | Pre-coated galvanized steel sheets (+powder coating for -BS type) <MUNSELL 5Y 8/1 or similar> | |
| External dimension H x W x D | | mm | 1,710 (1,650 without legs) x 920 x 740 | 1,710 (1,650 without legs) x 920 x 740 | |
| | | in. | 67-3/8 (65 without legs) x 36-1/4 x 29-3/16 | 67-3/8 (65 without legs) x 36-1/4 x 29-3/16 | |
| Protection devices | High pressure protection | | High pressure sensor, High pressure switch at 4.15 MPa (601 psi) | High pressure sensor, High pressure switch at 4.15 MPa (601 psi) | |
| | Inverter circuit (COMP./FAN) | | Over-heat protection, Over-current protection | Over-heat protection, Over-current protection | |
| | Compressor | | - | - | |
| | Fan motor | | - | - | |
| Refrigerant | Type x original charge | | R410A x 6.5 kg (15 lbs) | R410A x 8.0 kg (18 lbs) | |
| | Control | | LEV and HIC circuit | LEV and HIC circuit | |
| Net weight | | kg (lbs) | 190 (419) | 199 (439) | |
| Heat exchanger | | | Salt-resistant cross fin & copper tube | Salt-resistant cross fin & copper tube | |
| HIC circuit (HIC: Heat Inter-Changer) | | | Copper pipe, tube-in-tube structure | Copper pipe, tube-in-tube structure | |
| Defrosting method | | | Auto-defrost mode (Reversed refrigerant cycle, Hot gas) | Auto-defrost mode (Reversed refrigerant cycle, Hot gas) | |
| Drawing | External | | KJ94R996 | KJ94R996 | |
| | Wiring | | KE94G038 | KE94G038 | |
| Standard attachment | Document | | Installation Manual | Installation Manual | |
| | Accessory | | Refrigerant conn. pipe | Refrigerant conn. pipe | |
| Optional parts | | | Joint: CMY-Y102SS/LS-G2 Header: CMY-Y104/108/1010-G | Joint: CMY-Y102SS/LS-G2 Header: CMY-Y104/108/1010-G | |
| Remarks | | | Details on foundation work, duct work, insulation work, electrical wiring, power source switch, and other items shall be referred to the Installation Manual. Due to continuing improvement, above specifications may be subject to change without notice. | | |

| Notes: | Unit converter |
|--|---|
| 1. Nominal cooling conditions (subject to JIS B8615-2) Indoor: 27°C D.B./19°C W.B. (81°F D.B./66°F W.B.), Outdoor: 35°C D.B./24°C W.B. (95°F D.B./75°F W.B.) Pipe length: 7.5 m (24-9/16 ft.), Level difference: 0 m (0 ft.) | BTU/h = kW x 3,412 |
| 2. Nominal heating conditions (subject to JIS B8615-2) Indoor: 20°C D.B. (68°F D.B.), Outdoor: 7°C D.B./6°C W.B. (45°F D.B./43°F W.B.) Pipe length: 7.5 m (24-9/16 ft.), Level difference: 0 m (0 ft.) | cfm = m ³ /min x 35.31 |
| 3. External static pressure option is available (30Pa, 60Pa/3.1mmH ₂ O, 6.1mmH ₂ O). | lbs = kg/0.4536 |
| | *Above specification data is subject to rounding variation. |

1. SPECIFICATIONS

YKB/YLM

| Model | | PUHY-P300YKB-A1 (-BS) | | PUHY-P350YKB-A1 (-BS) | |
|--|------------------------------|---|--|--|--|
| Power source | | 3-phase 4-wire 380-400-415 V 50/60 Hz | | 3-phase 4-wire 380-400-415 V 50/60 Hz | |
| Cooling capacity (Nominal) | *1 | kW | 33.5 | 40.0 | |
| | | kcal/h | 30,000 | 35,000 | |
| | | BTU/h | 114,300 | 136,500 | |
| | Power input | kW | 8.56 | 11.69 | |
| | | A | 14.4-13.7-13.2 | 19.7-18.7-18.0 | |
| EER | kW/kW | 3.91 | 3.42 | | |
| Temp. range of cooling | Indoor | W.B. | 15.0~24.0°C (59~75°F) | 15.0~24.0°C (59~75°F) | |
| | Outdoor | D.B. | -5.0~52.0°C (23~126°F) | -5.0~52.0°C (23~126°F) | |
| Heating capacity (Nominal) | *2 | kW | 37.5 | 45.0 | |
| | | kcal/h | 32,300 | 38,700 | |
| | | BTU/h | 128,000 | 153,500 | |
| | Power input | kW | 9.07 | 11.13 | |
| | | A | 15.3-14.5-14.0 | 18.7-17.8-17.2 | |
| COP | kW/kW | 4.13 | 4.04 | | |
| Temp. range of heating | Indoor | D.B. | 15.0~27.0°C (59~81°F) | 15.0~27.0°C (59~81°F) | |
| | Outdoor | W.B. | -20.0~15.5°C (-4~60°F) | -20.0~15.5°C (-4~60°F) | |
| Indoor unit connectable | Total capacity | 50~130% of outdoor unit capacity | | 50~130% of outdoor unit capacity | |
| | Model/Quantity | P15-P250/1~26 | | P15-P250/1~30 | |
| Sound pressure level (measured in anechoic room) | dB <A> | 61 | | 61 | |
| Sound power level (measured in anechoic room) | dB <A> | 83 | | 83 | |
| Refrigerant piping diameter | Liquid pipe | mm (in.) | 9.52 (3/8) Brazed (12.7 (1/2) Brazed, farthest length >= 40 m) | 12.7 (1/2) Brazed | |
| | Gas pipe | mm (in.) | 22.2 (7/8) Brazed | 28.58 (1-1/8) Brazed | |
| FAN | Type x Quantity | | Propeller fan x 1 | | |
| | Air flow rate | m ³ /min | 210 | 210 | |
| | | L/s | 3,500 | 3,500 | |
| | | cfm | 7,415 | 7,415 | |
| | Control, Driving mechanism | | Inverter-control, Direct-driven by motor | | |
| Motor output | kW | 0.92 x 1 | 0.92 x 1 | | |
| *3 External static press. | | 0 Pa (0 mmH ₂ O) | | 0 Pa (0 mmH ₂ O) | |
| Compressor | Type x Quantity | | Inverter scroll hermetic compressor | | |
| | Manufacture | | AC&R Works, MITSUBISHI ELECTRIC CORPORATION | | |
| | Starting method | | Inverter | | |
| | Motor output | kW | 8.1 | 10.5 | |
| | Case heater | kW | - | - | |
| Lubricant | | MEL32 | | | |
| External finish | | Pre-coated galvanized steel sheets (+powder coating for -BS type) <MUNSELL 5Y 8/1 or similar> | | Pre-coated galvanized steel sheets (+powder coating for -BS type) <MUNSELL 5Y 8/1 or similar> | |
| External dimension H x W x D | mm | | 1,710 (1,650 without legs) x 1,220 x 740 | | |
| | in. | | 67-3/8 (65 without legs) x 48-1/16 x 29-3/16 | | |
| Protection devices | High pressure protection | | High pressure sensor, High pressure switch at 4.15 MPa (601 psi) | | |
| | Inverter circuit (COMP./FAN) | | Over-heat protection, Over-current protection | | |
| | Compressor | | - | | |
| | Fan motor | | - | | |
| Refrigerant | Type x original charge | | R410A x 11.5 kg (26 lbs) | | |
| | Control | | LEV and HIC circuit | | |
| Net weight | kg (lbs) | 251 (554) | | 251 (554) | |
| Heat exchanger | | Salt-resistant cross fin & aluminium tube | | Salt-resistant cross fin & copper tube | |
| HIC circuit (HIC: Heat Inter-Changer) | | Copper pipe, tube-in-tube structure | | Copper pipe, tube-in-tube structure | |
| Defrosting method | | Auto-defrost mode (Reversed refrigerant cycle, Hot gas) | | Auto-defrost mode (Reversed refrigerant cycle, Hot gas) | |
| Drawing | External | KJ94R997 | | KJ94R997 | |
| | Wiring | KE94G038 | | KE94G038 | |
| Standard attachment | Document | Installation Manual | | Installation Manual | |
| | Accessory | Refrigerant conn. pipe | | Refrigerant conn. pipe | |
| Optional parts | | Joint: CMY-Y102SS/LS-G2 Header: CMY-Y104/108/1010-G | | Joint: CMY-Y102SS/LS-G2, CMY-Y202S-G2 Header: CMY-Y104/108/1010-G | |
| Remarks | | Details on foundation work, duct work, insulation work, electrical wiring, power source switch, and other items shall be referred to the Installation Manual. Due to continuing improvement, above specifications may be subject to change without notice. | | | |

| Notes: | Unit converter |
|---|---|
| 1.Nominal cooling conditions (subject to JIS B8615-2) Indoor: 27°C D.B./19°C W.B. (81°F D.B./66°F W.B.), Outdoor: 35°C D.B./24°C W.B. (95°F D.B./75°F W.B.) Pipe length: 7.5 m (24-9/16 ft.), Level difference: 0 m (0 ft.) | BTU/h =kW x 3,412 |
| 2.Nominal heating conditions (subject to JIS B8615-2) Indoor: 20°C D.B. (68°F D.B.), Outdoor: 7°C D.B./6°C W.B. (45°F D.B./43°F W.B.) Pipe length: 7.5 m (24-9/16 ft.), Level difference: 0 m (0 ft.) | cfm =m ³ /min x 35.31 |
| 3.External static pressure option is available (30Pa, 60Pa/3.1mmH ₂ O, 6.1mmH ₂ O). | lbs =kg/0.4536 |
| | *Above specification data is subject to rounding variation. |

1. SPECIFICATIONS

YKB/YLM

| Model | | | PUHY-P400YKB-A1 (-BS) | PUHY-P450YKB-A1 (-BS) |
|--|------------------------------|---|--|--|
| Power source | | | 3-phase 4-wire 380-400-415 V 50/60 Hz | 3-phase 4-wire 380-400-415 V 50/60 Hz |
| Cooling capacity (Nominal) | *1 | kW | 45.0 | 50.0 |
| | | kcal/h | 40,000 | 45,000 |
| | | BTU/h | 153,500 | 170,600 |
| | Power input | kW | 13.55 | 14.79 |
| | | A | 22.8-21.7-20.9 | 24.9-23.7-22.8 |
| EER | kW/kW | 3.32 | 3.38 | |
| Temp. range of cooling | Indoor | W.B. | 15.0~24.0°C (59~75°F) | 15.0~24.0°C (59~75°F) |
| | Outdoor | D.B. | -5.0~52.0°C (23~126°F) | -5.0~52.0°C (23~126°F) |
| Heating capacity (Nominal) | *2 | kW | 50.0 | 56.0 |
| | | kcal/h | 45,000 | 50,000 |
| | | BTU/h | 170,600 | 191,100 |
| | Power input | kW | 12.50 | 15.55 |
| | | A | 21.1-20.0-19.3 | 26.2-24.9-24.0 |
| COP | kW/kW | 4.00 | 3.60 | |
| Temp. range of heating | Indoor | D.B. | 15.0~27.0°C (59~81°F) | 15.0~27.0°C (59~81°F) |
| | Outdoor | W.B. | -20.0~15.5°C (-4~60°F) | -20.0~15.5°C (-4~60°F) |
| Indoor unit connectable | Total capacity | | 50~130% of outdoor unit capacity | 50~130% of outdoor unit capacity |
| | Model/Quantity | | P15~P250/1~34 | P15~P250/1~39 |
| Sound pressure level (measured in anechoic room) | dB <A> | | 63 | 66 |
| Sound power level (measured in anechoic room) | dB <A> | | 83 | 85 |
| Refrigerant piping diameter | Liquid pipe | mm (in.) | 12.7 (1/2) Brazed | 15.88 (5/8) Brazed |
| | Gas pipe | mm (in.) | 28.58 (1-1/8) Brazed | 28.58 (1-1/8) Brazed |
| FAN | Type x Quantity | | Propeller fan x 1 | Propeller fan x 2 |
| | Air flow rate | m ³ /min | 210 | 360 |
| | | L/s | 3,500 | 6,000 |
| | | cfm | 7,415 | 12,712 |
| | Control, Driving mechanism | | Inverter-control, Direct-driven by motor | Inverter-control, Direct-driven by motor |
| | Motor output | kW | 0.92 x 1 | 0.92 x 2 |
| *3 External static press. | | 0 Pa (0 mmH ₂ O) | 0 Pa (0 mmH ₂ O) | |
| Compressor | Type x Quantity | | Inverter scroll hermetic compressor | Inverter scroll hermetic compressor |
| | Manufacture | | AC&R Works, MITSUBISHI ELECTRIC CORPORATION | AC&R Works, MITSUBISHI ELECTRIC CORPORATION |
| | Starting method | | Inverter | Inverter |
| | Motor output | kW | 10.8 | 12.4 |
| | Case heater | kW | - | 0.045 |
| Lubricant | | MEL32 | MEL32 | |
| External finish | | Pre-coated galvanized steel sheets (+powder coating for -BS type) <MUNSELL 5Y 8/1 or similar> | Pre-coated galvanized steel sheets (+powder coating for -BS type) <MUNSELL 5Y 8/1 or similar> | |
| External dimension H x W x D | | mm 1,710 (1,650 without legs) x 1,220 x 740 in. 67-3/8 (65 without legs) x 48-1/16 x 29-3/16 | mm 1,710 (1,650 without legs) x 1,750 x 740 in. 67-3/8 (65 without legs) x 68-15/16 x 29-3/16 | |
| Protection devices | High pressure protection | | High pressure sensor, High pressure switch at 4.15 MPa (601 psi) | High pressure sensor, High pressure switch at 4.15 MPa (601 psi) |
| | Inverter circuit (COMP./FAN) | | Over-heat protection, Over-current protection | Over-heat protection, Over-current protection |
| | Compressor | | - | - |
| | Fan motor | | - | - |
| Refrigerant | Type x original charge | | R410A x 11.5 kg (26 lbs) | R410A x 11.8 kg (27 lbs) |
| | Control | | LEV and HIC circuit | LEV and HIC circuit |
| Net weight | kg (lbs) | 251 (554) | 304 (671) | |
| Heat exchanger | | Salt-resistant cross fin & copper tube | Salt-resistant cross fin & copper tube | |
| HIC circuit (HIC: Heat Inter-Changer) | | Copper pipe, tube-in-tube structure | Copper pipe, tube-in-tube structure | |
| Defrosting method | | Auto-defrost mode (Reversed refrigerant cycle, Hot gas) | Auto-defrost mode (Reversed refrigerant cycle, Hot gas) | |
| Drawing | External | KJ94R997 | KJ94R998 | |
| | Wiring | KE94G038 | KE94C967 | |
| Standard attachment | Document | Installation Manual | Installation Manual | |
| | Accessory | Refrigerant conn. pipe | Refrigerant conn. pipe | |
| Optional parts | | Joint: CMY-Y102SS/LS-G2, CMY-Y202S-G2 Header: CMY-Y104/108/1010-G | Joint: CMY-Y102SS/LS-G2, CMY-Y202S-G2 Header: CMY-Y104/108/1010-G | |
| Remarks | | Details on foundation work, duct work, insulation work, electrical wiring, power source switch, and other items shall be referred to the Installation Manual. Due to continuing improvement, above specifications may be subject to change without notice. | | |

| Notes: | Unit converter |
|--|---|
| 1. Nominal cooling conditions (subject to JIS B8615-2) Indoor: 27°C D.B./19°C W.B. (81°F D.B./66°F W.B.), Outdoor: 35°C D.B./24°C W.B. (95°F D.B./75°F W.B.) Pipe length: 7.5 m (24-9/16 ft.), Level difference: 0 m (0 ft.) | BTU/h = kW x 3,412 |
| 2. Nominal heating conditions (subject to JIS B8615-2) Indoor: 20°C D.B. (68°F D.B.), Outdoor: 7°C D.B./6°C W.B. (45°F D.B./43°F W.B.) Pipe length: 7.5 m (24-9/16 ft.), Level difference: 0 m (0 ft.) | cfm = m ³ /min x 35.31 |
| 3. External static pressure option is available (30Pa, 60Pa/3.1mmH ₂ O, 6.1mmH ₂ O). | lbs = kg/0.4536 |
| | *Above specification data is subject to rounding variation. |

1. SPECIFICATIONS

YKB/YLM

| Model | | PUHY-P500YKB-A1 (-BS) | | |
|--|------------------------------|---|--|----------------|
| Power source | | 3-phase 4-wire 380-400-415 V 50/60 Hz | | |
| Cooling capacity (Nominal) | *1 | kW | 55.0 | |
| | | kcal/h | 50,000 | |
| | *1 | BTU/h | 187,700 | |
| | | Power input | kW | 18.39 |
| | | Current input | A | 31.0-29.4-28.4 |
| | EER | kW/kW | 2.99 | |
| Temp. range of cooling | Indoor | W.B. | 15.0~24.0°C (59~75°F) | |
| | Outdoor | D.B. | -5.0~52.0°C (23~126°F) | |
| Heating capacity (Nominal) | *2 | kW | 63.0 | |
| | | kcal/h | 54,200 | |
| | *2 | BTU/h | 215,000 | |
| | | Power input | kW | 18.52 |
| | | Current input | A | 31.2-29.7-28.6 |
| | COP | kW/kW | 3.40 | |
| Temp. range of heating | Indoor | D.B. | 15.0~27.0°C (59~81°F) | |
| | Outdoor | W.B. | -20.0~15.5°C (-4~60°F) | |
| Indoor unit connectable | Total capacity | | 50~130% of outdoor unit capacity | |
| | Model/Quantity | | P15~P250/1~43 | |
| Sound pressure level (measured in anechoic room) | | dB <A> | 66 | |
| Sound power level (measured in anechoic room) | | dB <A> | 86 | |
| Refrigerant piping diameter | Liquid pipe | mm (in.) | 15.88 (5/8) Brazed | |
| | Gas pipe | mm (in.) | 28.58 (1-1/8) Brazed | |
| FAN | Type x Quantity | | Propeller fan x 2 | |
| | Air flow rate | m ³ /min | 360 | |
| | | L/s | 6,000 | |
| | | cfm | 12,712 | |
| | Control, Driving mechanism | | Inverter-control, Direct-driven by motor | |
| *3 | Motor output | kW | 0.92 x 2 | |
| External static press. | | 0 Pa (0 mmH ₂ O) | | |
| Compressor | Type x Quantity | | Inverter scroll hermetic compressor | |
| | Manufacture | | AC&R Works, MITSUBISHI ELECTRIC CORPORATION | |
| | Starting method | | Inverter | |
| | Motor output | kW | 13.3 | |
| | Case heater | kW | 0.045 | |
| Lubricant | | MEL32 | | |
| External finish | | Pre-coated galvanized steel sheets (+powder coating for -BS type) <MUNSELL 5Y 8/1 or similar> | | |
| External dimension H x W x D | | mm | 1,710 (1,650 without legs) x 1,750 x 740 | |
| | | in. | 67-3/8 (65 without legs) x 68-15/16 x 29-3/16 | |
| Protection devices | High pressure protection | | High pressure sensor, High pressure switch at 4.15 MPa (601 psi) | |
| | Inverter circuit (COMP./FAN) | | Over-heat protection, Over-current protection | |
| | Compressor | | - | |
| | Fan motor | | - | |
| Refrigerant | Type x original charge | | R410A x 11.8 kg (27 lbs) | |
| | Control | | LEV and HIC circuit | |
| Net weight | | kg (lbs) | 304 (671) | |
| Heat exchanger | | Salt-resistant cross fin & copper tube | | |
| HIC circuit (HIC: Heat Inter-Changer) | | Copper pipe, tube-in-tube structure | | |
| Defrosting method | | Auto-defrost mode (Reversed refrigerant cycle, Hot gas) | | |
| Drawing | External | | KJ94R998 | |
| | Wiring | | KE94C967 | |
| Standard attachment | Document | | Installation Manual | |
| | Accessory | | Refrigerant conn. pipe | |
| Optional parts | | Joint: CMY-Y102SS/LS-G2, CMY-Y202S-G2 Header: CMY-Y104/108/1010-G | | |
| Remarks | | Details on foundation work, duct work, insulation work, electrical wiring, power source switch, and other items shall be referred to the Installation Manual. Due to continuing improvement, above specifications may be subject to change without notice. | | |

| Notes: | Unit converter |
|---|---|
| 1.Nominal cooling conditions (subject to JIS B8615-2) Indoor: 27°C D.B./19°C W.B. (81°F D.B./66°F W.B.), Outdoor: 35°C D.B./24°C W.B. (95°F D.B./75°F W.B.) Pipe length: 7.5 m (24-9/16 ft.), Level difference: 0 m (0 ft.) | BTU/h =kW x 3,412 |
| 2.Nominal heating conditions (subject to JIS B8615-2) Indoor: 20°C D.B. (68°F D.B.), Outdoor: 7°C D.B./6°C W.B. (45°F D.B./43°F W.B.) Pipe length: 7.5 m (24-9/16 ft.), Level difference: 0 m (0 ft.) | cfm =m ³ /min x 35.31 |
| 3.External static pressure option is available (30Pa, 60Pa/3.1mmH ₂ O, 6.1mmH ₂ O). | lbs =kg/0.4536 |
| | *Above specification data is subject to rounding variation. |

1. SPECIFICATIONS

YKB/YLM

| Model | | | PUHY-P400YSKB-A1 (-BS) |
|--|----------------|----------------------------------|---------------------------------------|
| Power source | | | 3-phase 4-wire 380-400-415 V 50/60 Hz |
| Cooling capacity (Nominal) | *1 | kW | 45.0 |
| | | kcal/h | 40,000 |
| | | BTU/h | 153,500 |
| | Power input | kW | 11.00 |
| | | Current input | A |
| EER | kW/kW | 4.09 | |
| Temp. range of cooling | Indoor | W.B. | 15.0~24.0°C (59~75°F) |
| | Outdoor | D.B. | -5.0~52.0°C (23~126°F) |
| Heating capacity (Nominal) | *2 | kW | 50.0 |
| | | kcal/h | 45,000 |
| | | BTU/h | 170,600 |
| | Power input | kW | 12.24 |
| | | Current input | A |
| COP | kW/kW | 4.08 | |
| Temp. range of heating | Indoor | D.B. | 15.0~27.0°C (59~81°F) |
| | Outdoor | W.B. | -20.0~15.5°C (-4~60°F) |
| Indoor unit connectable | Total capacity | 50~130% of outdoor unit capacity | |
| | Model/Quantity | P15~P250/1~34 | |
| Sound pressure level (measured in anechoic room) | dB <A> | 60 | |
| Sound power level (measured in anechoic room) | dB <A> | 81 | |
| Refrigerant piping diameter | Liquid pipe | mm (in.) | 12.7 (1/2) Brazed |
| | Gas pipe | mm (in.) | 28.58 (1-1/8) Brazed |

Set Model

| Model | | | PUHY-P200YKB-A1 (-BS) | PUHY-P200YKB-A1 (-BS) |
|---------------------------------------|------------------------------|---------------------|---|--|
| FAN | Type x Quantity | | Propeller fan x 1 | Propeller fan x 1 |
| | Air flow rate | m ³ /min | 175 | 175 |
| | | L/s | 2,917 | 2,917 |
| | | cfm | 6,179 | 6,179 |
| | Control, Driving mechanism | | Inverter-control, Direct-driven by motor | Inverter-control, Direct-driven by motor |
| | Motor output | kW | 0.92 x 1 | 0.92 x 1 |
| *3 External static press. | 0 Pa (0 mmH ₂ O) | | 0 Pa (0 mmH ₂ O) | |
| Compressor | Type x Quantity | | Inverter scroll hermetic compressor | Inverter scroll hermetic compressor |
| | Manufacture | | AC&R Works, MITSUBISHI ELECTRIC CORPORATION | AC&R Works, MITSUBISHI ELECTRIC CORPORATION |
| | Starting method | | Inverter | Inverter |
| | Motor output | kW | 5.5 | 5.5 |
| | Case heater | kW | - | - |
| Lubricant | MEL32 | | MEL32 | |
| External finish | | | Pre-coated galvanized steel sheets (+powder coating for -BS type) <MUNSELL 5Y 8/1 or similar> | Pre-coated galvanized steel sheets (+powder coating for -BS type) <MUNSELL 5Y 8/1 or similar> |
| External dimension H x W x D | | | mm 1,710 (1,650 without legs) x 920 x 740 in. 67-3/8 (65 without legs) x 36-1/4 x 29-3/16 | mm 1,710 (1,650 without legs) x 920 x 740 in. 67-3/8 (65 without legs) x 36-1/4 x 29-3/16 |
| Protection devices | High pressure protection | | High pressure sensor, High pressure switch at 4.15 MPa (601 psi) | High pressure sensor, High pressure switch at 4.15 MPa (601 psi) |
| | Inverter circuit (COMP./FAN) | | Over-heat protection, Over-current protection | Over-heat protection, Over-current protection |
| | Compressor | | - | - |
| | Fan motor | | - | - |
| Refrigerant | Type x original charge | | R410A x 6.5 kg (15 lbs) | R410A x 6.5 kg (15 lbs) |
| | Control | | LEV and HIC circuit | |
| Net weight | kg (lbs) | 190 (419) | 190 (419) | |
| Heat exchanger | | | Salt-resistant cross fin & copper tube | Salt-resistant cross fin & copper tube |
| HIC circuit (HIC: Heat Inter-Changer) | | | Copper pipe, tube-in-tube structure | Copper pipe, tube-in-tube structure |
| Pipe between unit and distributor | Liquid pipe | mm (in.) | 9.52 (3/8) Brazed | 9.52 (3/8) Brazed |
| | Gas pipe | mm (in.) | 22.2 (7/8) Brazed | 22.2 (7/8) Brazed |
| Defrosting method | | | Auto-defrost mode (Reversed refrigerant cycle, Hot gas) | |
| Drawing | External | | KJ94T009 | |
| | Wiring | | KE94G038 | KE94G038 |
| Standard attachment | Installation Manual | | | |
| | Refrigerant conn. pipe | | | |
| Optional parts | | | Outdoor Twinning kit: CMY-Y100VBK3 Joint: CMY-Y102SS/LS-G2, CMY-Y202S/302S-G2 Header: CMY-Y104/108/1010-G | |
| Remarks | | | Details on foundation work, duct work, insulation work, electrical wiring, power source switch, and other items shall be referred to the Installation Manual. Due to continuing improvement, above specifications may be subject to change without notice. | |

Notes:

- Nominal cooling conditions (subject to JIS B8615-2)
Indoor: 27°C D.B./19°C W.B. (81°F D.B./66°F W.B.), Outdoor: 35°C D.B./24°C W.B. (95°F D.B./75°F W.B.)
Pipe length: 7.5 m (24-9/16 ft.), Level difference: 0 m (0 ft.)
- Nominal heating conditions (subject to JIS B8615-2)
Indoor: 20°C D.B. (68°F D.B.), Outdoor: 7°C D.B./6°C W.B. (45°F D.B./43°F W.B.)
Pipe length: 7.5 m (24-9/16 ft.), Level difference: 0 m (0 ft.)
- External static pressure option is available (30Pa, 60Pa/3.1mmH₂O, 6.1mmH₂O).

Unit converter

| | |
|-------|------------------------------|
| BTU/h | =kW x 3,412 |
| cfm | =m ³ /min x 35.31 |
| lbs | =kg/0.4536 |

*Above specification data is subject to rounding variation.

1. SPECIFICATIONS

| Model | | PUHY-P450YSKB-A1 (-BS) | |
|--|------------------------|---------------------------------------|--|
| Power source | | 3-phase 4-wire 380-400-415 V 50/60 Hz | |
| Cooling capacity (Nominal) | *1 kW | 50.0 | |
| | kcal/h | 45,000 | |
| | *1 BTU/h | 170,600 | |
| | Power input kW | 12.59 | |
| | Current input A | 21.2-20.1-19.4 | |
| Temp. range of cooling | EER kW/kW | 3.97 | |
| | Indoor W.B. | 15.0~24.0°C (59~75°F) | |
| Outdoor D.B. | -5.0~52.0°C (23~126°F) | | |
| Heating capacity (Nominal) | *2 kW | 56.0 | |
| | kcal/h | 50,000 | |
| | *2 BTU/h | 191,100 | |
| | Power input kW | 13.72 | |
| | Current input A | 23.1-22.0-21.2 | |
| Temp. range of heating | COP kW/kW | 4.08 | |
| | Indoor D.B. | 15.0~27.0°C (59~81°F) | |
| Outdoor W.B. | -20.0~15.5°C (-4~60°F) | | |
| Indoor unit connectable | Total capacity | 50~130% of outdoor unit capacity | |
| | Model/Quantity | P15-P250/1~39 | |
| Sound pressure level (measured in anechoic room) | dB <A> | 61.5 | |
| Sound power level (measured in anechoic room) | dB <A> | 82 | |
| Refrigerant piping diameter | Liquid pipe mm (in.) | 15.88 (5/8) Brazed | |
| | Gas pipe mm (in.) | 28.58 (1-1/8) Brazed | |

| Model | | PUHY-P200YKB-A1 (-BS) | | PUHY-P250YKB-A1 (-BS) | | |
|---------------------------------------|---|--|--|--|-------|--|
| FAN | Type x Quantity | Propeller fan x 1 | | Propeller fan x 1 | | |
| | Air flow rate | m ³ /min | 175 | | 175 | |
| | | L/s | 2,917 | | 2,917 | |
| | | cfm | 6,179 | | 6,179 | |
| | Control, Driving mechanism | Inverter-control, Direct-driven by motor | | Inverter-control, Direct-driven by motor | | |
| *3 Motor output kW | 0.92 x 1 | | 0.92 x 1 | | | |
| External static press. | 0 Pa (0 mmH ₂ O) | | 0 Pa (0 mmH ₂ O) | | | |
| Compressor | Type x Quantity | Inverter scroll hermetic compressor | | Inverter scroll hermetic compressor | | |
| | Manufacture | AC&R Works, MITSUBISHI ELECTRIC CORPORATION | | AC&R Works, MITSUBISHI ELECTRIC CORPORATION | | |
| | Starting method | Inverter | | Inverter | | |
| | Motor output kW | 5.5 | | 6.9 | | |
| | Case heater kW | - | | - | | |
| Lubricant | MEL32 | | MEL32 | | | |
| External finish | Pre-coated galvanized steel sheets (+powder coating for -BS type) <MUNSELL 5Y 8/1 or similar> | | Pre-coated galvanized steel sheets (+powder coating for -BS type) <MUNSELL 5Y 8/1 or similar> | | | |
| External dimension H x W x D | mm | 1,710 (1,650 without legs) x 920 x 740 | | 1,710 (1,650 without legs) x 920 x 740 | | |
| | in. | 67-3/8 (65 without legs) x 36-1/4 x 29-3/16 | | 67-3/8 (65 without legs) x 36-1/4 x 29-3/16 | | |
| Protection devices | High pressure protection | High pressure sensor, High pressure switch at 4.15 MPa (601 psi) | | High pressure sensor, High pressure switch at 4.15 MPa (601 psi) | | |
| | Inverter circuit (COMP./FAN) | Over-heat protection, Over-current protection | | Over-heat protection, Over-current protection | | |
| | Compressor | - | | - | | |
| | Fan motor | - | | - | | |
| Refrigerant | Type x original charge | R410A x 6.5 kg (15 lbs) | | R410A x 8.0 kg (18 lbs) | | |
| | Control | LEV and HIC circuit | | | | |
| Net weight | kg (lbs) | 190 (419) | | 199 (439) | | |
| Heat exchanger | Salt-resistant cross fin & copper tube | | Salt-resistant cross fin & copper tube | | | |
| HIC circuit (HIC: Heat Inter-Changer) | Copper pipe, tube-in-tube structure | | Copper pipe, tube-in-tube structure | | | |
| Pipe between unit and distributor | Liquid pipe mm (in.) | 9.52 (3/8) Brazed | | 9.52 (3/8) Brazed | | |
| | Gas pipe mm (in.) | 22.2 (7/8) Brazed | | 22.2 (7/8) Brazed | | |
| Defrosting method | Auto-defrost mode (Reversed refrigerant cycle, Hot gas) | | | | | |
| Drawing | External | KJ94T009 | | | | |
| | Wiring | KE94G038 | | KE94G038 | | |
| Standard attachment | Document | Installation Manual | | | | |
| | Accessory | Refrigerant conn. pipe | | | | |
| Optional parts | Outdoor Twinning kit: CMY-Y100VBK3 Joint: CMY-Y102SS/LS-G2, CMY-Y202S/302S-G2 Header: CMY-Y104/108/1010-G | | | | | |
| Remarks | Details on foundation work, duct work, insulation work, electrical wiring, power source switch, and other items shall be referred to the Installation Manual. Due to continuing improvement, above specifications may be subject to change without notice. | | | | | |

| Notes: | Unit converter |
|---|---|
| 1.Nominal cooling conditions (subject to JIS B8615-2) Indoor: 27°C D.B./19°C W.B. (81°F D.B./66°F W.B.), Outdoor: 35°C D.B./24°C W.B. (95°F D.B./75°F W.B.) Pipe length: 7.5 m (24-9/16 ft.), Level difference: 0 m (0 ft.) | BTU/h =kW x 3,412 |
| 2.Nominal heating conditions (subject to JIS B8615-2) Indoor: 20°C D.B. (68°F D.B.), Outdoor: 7°C D.B./6°C W.B. (45°F D.B./43°F W.B.) Pipe length: 7.5 m (24-9/16 ft.), Level difference: 0 m (0 ft.) | cfm =m ³ /min x 35.31 |
| 3.External static pressure option is available (30Pa, 60Pa/3.1mmH ₂ O, 6.1mmH ₂ O). | lbs =kg/0.4536 |
| | *Above specification data is subject to rounding variation. |

1. SPECIFICATIONS

YKB/YLM

| | | | | | |
|--|----------------|---------------|---------------------------------------|----------------|--|
| Model | | | PUHY-P500YSKB-A1 (-BS) | | |
| Power source | | | 3-phase 4-wire 380-400-415 V 50/60 Hz | | |
| Cooling capacity (Nominal) | *1 | kW | 56.0 | | |
| | | kcal/h | 50,000 | | |
| | | BTU/h | 191,100 | | |
| | Power input | kW | 14.54 | | |
| | | Current input | A | 24.5-23.3-22.4 | |
| EER | kW/kW | 3.85 | | | |
| Temp. range of cooling | Indoor | W.B. | 15.0~24.0°C (59~75°F) | | |
| | Outdoor | D.B. | -5.0~52.0°C (23~126°F) | | |
| Heating capacity (Nominal) | *2 | kW | 63.0 | | |
| | | kcal/h | 54,200 | | |
| | | BTU/h | 215,000 | | |
| | Power input | kW | 15.46 | | |
| | | Current input | A | 26.0-24.7-23.8 | |
| COP | kW/kW | 4.07 | | | |
| Temp. range of heating | Indoor | D.B. | 15.0~27.0°C (59~81°F) | | |
| | Outdoor | W.B. | -20.0~15.5°C (-4~60°F) | | |
| Indoor unit connectable | Total capacity | | 50~130% of outdoor unit capacity | | |
| | Model/Quantity | | P15~P250/1~43 | | |
| Sound pressure level (measured in anechoic room) | dB <A> | | 62 | | |
| Sound power level (measured in anechoic room) | dB <A> | | 82 | | |
| Refrigerant | Liquid pipe | mm (in.) | 15.88 (5/8) Brazed | | |
| piping diameter | Gas pipe | mm (in.) | 28.58 (1-1/8) Brazed | | |

Set Model

| Model | | | PUHY-P250YKB-A1 (-BS) | | | PUHY-P250YKB-A1 (-BS) | | |
|---------------------------------------|------------------------------|-----------------------------|---|--|-----------------------------|---|--|--|
| FAN | Type x Quantity | | Propeller fan x 1 | | | Propeller fan x 1 | | |
| | Air flow rate | m ³ /min | 175 | | | 175 | | |
| | | L/s | 2,917 | | | 2,917 | | |
| | | cfm | 6,179 | | | 6,179 | | |
| | Control, Driving mechanism | | Inverter-control, Direct-driven by motor | | | Inverter-control, Direct-driven by motor | | |
| | Motor output | kW | 0.92 x 1 | | | 0.92 x 1 | | |
| *3 External static press. | | 0 Pa (0 mmH ₂ O) | | | 0 Pa (0 mmH ₂ O) | | | |
| Compressor | Type x Quantity | | Inverter scroll hermetic compressor | | | Inverter scroll hermetic compressor | | |
| | Manufacture | | AC&R Works, MITSUBISHI ELECTRIC CORPORATION | | | AC&R Works, MITSUBISHI ELECTRIC CORPORATION | | |
| | Starting method | | Inverter | | | Inverter | | |
| | Motor output | kW | 6.9 | | | 6.9 | | |
| | Case heater | kW | - | | | - | | |
| Lubricant | | MEL32 | | | MEL32 | | | |
| External finish | | | Pre-coated galvanized steel sheets (+powder coating for -BS type) <MUNSELL 5Y 8/1 or similar> | | | Pre-coated galvanized steel sheets (+powder coating for -BS type) <MUNSELL 5Y 8/1 or similar> | | |
| External dimension H x W x D | | | mm 1,710 (1,650 without legs) x 920 x 740 | | | mm 1,710 (1,650 without legs) x 920 x 740 | | |
| | | | in. 67-3/8 (65 without legs) x 36-1/4 x 29-3/16 | | | in. 67-3/8 (65 without legs) x 36-1/4 x 29-3/16 | | |
| Protection devices | High pressure protection | | High pressure sensor, High pressure switch at 4.15 MPa (601 psi) | | | High pressure sensor, High pressure switch at 4.15 MPa (601 psi) | | |
| | Inverter circuit (COMP./FAN) | | Over-heat protection, Over-current protection | | | Over-heat protection, Over-current protection | | |
| | Compressor | | - | | | - | | |
| | Fan motor | | - | | | - | | |
| Refrigerant | Type x original charge | | R410A x 8.0 kg (18 lbs) | | | R410A x 8.0 kg (18 lbs) | | |
| | Control | | LEV and HIC circuit | | | LEV and HIC circuit | | |
| Net weight | | | kg (lbs) 199 (439) | | | kg (lbs) 199 (439) | | |
| Heat exchanger | | | Salt-resistant cross fin & copper tube | | | Salt-resistant cross fin & copper tube | | |
| HIC circuit (HIC: Heat Inter-Changer) | | | Copper pipe, tube-in-tube structure | | | Copper pipe, tube-in-tube structure | | |
| Pipe between unit and distributor | Liquid pipe | mm (in.) | 9.52 (3/8) Brazed | | | 9.52 (3/8) Brazed | | |
| | Gas pipe | mm (in.) | 22.2 (7/8) Brazed | | | 22.2 (7/8) Brazed | | |
| Defrosting method | | | Auto-defrost mode (Reversed refrigerant cycle, Hot gas) | | | Auto-defrost mode (Reversed refrigerant cycle, Hot gas) | | |
| Drawing | External | | KJ94T009 | | | KJ94T009 | | |
| | Wiring | | KE94G038 | | | KE94G038 | | |
| Standard attachment | Document | | Installation Manual | | | Installation Manual | | |
| | Accessory | | Refrigerant conn. pipe | | | Refrigerant conn. pipe | | |
| Optional parts | | | Outdoor Twinning kit: CMY-Y100VBK3 Joint: CMY-Y102SS/LS-G2, CMY-Y202S/302S-G2 Header: CMY-Y104/108/1010-G | | | Outdoor Twinning kit: CMY-Y100VBK3 Joint: CMY-Y102SS/LS-G2, CMY-Y202S/302S-G2 Header: CMY-Y104/108/1010-G | | |
| Remarks | | | Details on foundation work, duct work, insulation work, electrical wiring, power source switch, and other items shall be referred to the Installation Manual. Due to continuing improvement, above specifications may be subject to change without notice. | | | Details on foundation work, duct work, insulation work, electrical wiring, power source switch, and other items shall be referred to the Installation Manual. Due to continuing improvement, above specifications may be subject to change without notice. | | |

Notes:

- Nominal cooling conditions (subject to JIS B8615-2)
Indoor: 27°C D.B./19°C W.B. (81°F D.B./66°F W.B.), Outdoor: 35°C D.B./24°C W.B. (95°F D.B./75°F W.B.)
Pipe length: 7.5 m (24-9/16 ft.), Level difference: 0 m (0 ft.)
- Nominal heating conditions (subject to JIS B8615-2)
Indoor: 20°C D.B. (68°F D.B.), Outdoor: 7°C D.B./6°C W.B. (45°F D.B./43°F W.B.)
Pipe length: 7.5 m (24-9/16 ft.), Level difference: 0 m (0 ft.)
- External static pressure option is available (30Pa, 60Pa/3.1mmH₂O, 6.1mmH₂O).

Unit converter

| | |
|-------|------------------------------|
| BTU/h | =kW x 3.412 |
| cfm | =m ³ /min x 35.31 |
| lbs | =kg/0.4536 |

*Above specification data is subject to rounding variation.

1. SPECIFICATIONS

| Model | | PUHY-P550YSKB-A1 (-BS) | |
|--|-----------------|---------------------------------------|------------------------|
| Power source | | 3-phase 4-wire 380-400-415 V 50/60 Hz | |
| Cooling capacity (Nominal) | *1 kW | 63.0 | |
| | kcal/h | 54,200 | |
| | *1 BTU/h | 215,000 | |
| | Power input kW | 16.66 | |
| | Current input A | 28.1-26.7-25.7 | |
| Temp. range of cooling | EER | 3.78 | |
| | Indoor | W.B. | 15.0~24.0°C (59~75°F) |
| | Outdoor | D.B. | -5.0~52.0°C (23~126°F) |
| Heating capacity (Nominal) | *2 kW | 69.0 | |
| | kcal/h | 59,300 | |
| | *2 BTU/h | 235,400 | |
| | Power input kW | 17.29 | |
| | Current input A | 29.1-27.7-26.7 | |
| Temp. range of heating | COP | 3.99 | |
| | Indoor | D.B. | 15.0~27.0°C (59~81°F) |
| | Outdoor | W.B. | -20.0~15.5°C (-4~60°F) |
| Indoor unit connectable | Total capacity | 50~130% of outdoor unit capacity | |
| | Model/Quantity | P15-P250/2-47 | |
| Sound pressure level (measured in anechoic room) | dB <A> | 63.5 | |
| Sound power level (measured in anechoic room) | dB <A> | 84.5 | |
| Refrigerant piping diameter | Liquid pipe | mm (in.) | 15.88 (5/8) Brazed |
| | Gas pipe | mm (in.) | 28.58 (1-1/8) Brazed |

Set Model

| Model | | PUHY-P250YKB-A1 (-BS) | | PUHY-P300YKB-A1 (-BS) | |
|---------------------------------------|------------------------------|---|--|--|--|
| FAN | Type x Quantity | Propeller fan x 1 | | Propeller fan x 1 | |
| | Air flow rate | m ³ /min | 175 | 210 | |
| | | L/s | 2,917 | 3,500 | |
| | | cfm | 6,179 | 7,415 | |
| | Control, Driving mechanism | Inverter-control, Direct-driven by motor | | Inverter-control, Direct-driven by motor | |
| *3 Motor output | kW | 0.92 x 1 | 0.92 x 1 | | |
| External static press. | | 0 Pa (0 mmH ₂ O) | 0 Pa (0 mmH ₂ O) | | |
| Compressor | Type x Quantity | Inverter scroll hermetic compressor | | Inverter scroll hermetic compressor | |
| | Manufacture | AC&R Works, MITSUBISHI ELECTRIC CORPORATION | | AC&R Works, MITSUBISHI ELECTRIC CORPORATION | |
| | Starting method | Inverter | | Inverter | |
| | Motor output | kW | 6.9 | 8.1 | |
| | Case heater | kW | - | - | |
| Lubricant | | MEL32 | MEL32 | | |
| External finish | | Pre-coated galvanized steel sheets (+powder coating for -BS type) <MUNSELL 5Y 8/1 or similar> | Pre-coated galvanized steel sheets (+powder coating for -BS type) <MUNSELL 5Y 8/1 or similar> | | |
| External dimension H x W x D | mm | 1,710 (1,650 without legs) x 920 x 740 | 1,710 (1,650 without legs) x 1,220 x 740 | | |
| | in. | 67-3/8 (65 without legs) x 36-1/4 x 29-3/16 | 67-3/8 (65 without legs) x 48-1/16 x 29-3/16 | | |
| Protection devices | High pressure protection | High pressure sensor, High pressure switch at 4.15 MPa (601 psi) | | High pressure sensor, High pressure switch at 4.15 MPa (601 psi) | |
| | Inverter circuit (COMP./FAN) | Over-heat protection, Over-current protection | | Over-heat protection, Over-current protection | |
| | Compressor | - | | - | |
| | Fan motor | - | | - | |
| Refrigerant | Type x original charge | R410A x 8.0 kg (18 lbs) | | R410A x 11.5 kg (26 lbs) | |
| | Control | LEV and HIC circuit | | | |
| Net weight | kg (lbs) | 199 (439) | 251 (554) | | |
| Heat exchanger | | Salt-resistant cross fin & copper tube | | Salt-resistant cross fin & copper tube | |
| HIC circuit (HIC: Heat Inter-Changer) | | Copper pipe, tube-in-tube structure | | Copper pipe, tube-in-tube structure | |
| Pipe between unit and distributor | Liquid pipe | mm (in.) | 9.52 (3/8) Brazed | 12.7 (1/2) Brazed | |
| | Gas pipe | mm (in.) | 22.2 (7/8) Brazed | 22.2 (7/8) Brazed | |
| Defrosting method | | Auto-defrost mode (Reversed refrigerant cycle, Hot gas) | | | |
| Drawing | External | KJ94R999 | | | |
| | Wiring | KE94G038 | | KE94G038 | |
| Standard attachment | Document | Installation Manual | | | |
| | Accessory | Refrigerant conn. pipe | | | |
| Optional parts | | Outdoor Twinning kit: CMY-Y100VBK3 Joint: CMY-Y102SS/LS-G2, CMY-Y202S/302S-G2 Header: CMY-Y104/108/1010-G | | | |
| Remarks | | Details on foundation work, duct work, insulation work, electrical wiring, power source switch, and other items shall be referred to the Installation Manual. Due to continuing improvement, above specifications may be subject to change without notice. | | | |

Notes:

- Nominal cooling conditions (subject to JIS B8615-2)
Indoor: 27°C D.B./19°C W.B. (81°F D.B./66°F W.B.), Outdoor: 35°C D.B./24°C W.B. (95°F D.B./75°F W.B.)
Pipe length: 7.5 m (24-9/16 ft.), Level difference: 0 m (0 ft.)
- Nominal heating conditions (subject to JIS B8615-2)
Indoor: 20°C D.B. (68°F D.B.), Outdoor: 7°C D.B./6°C W.B. (45°F D.B./43°F W.B.)
Pipe length: 7.5 m (24-9/16 ft.), Level difference: 0 m (0 ft.)
- External static pressure option is available (30Pa, 60Pa/3.1mmH₂O, 6.1mmH₂O).

| Unit converter | |
|---|------------------------------|
| BTU/h | =kW x 3,412 |
| cfm | =m ³ /min x 35.31 |
| lbs | =kg/0.4536 |
| *Above specification data is subject to rounding variation. | |

1. SPECIFICATIONS

YKB/YLM

| | | | | | |
|--|-------------------------------|---------------|---------------------------------------|----------------|--|
| Model | | | PUHY-P600YSKB-A1 (-BS) | | |
| Power source | | | 3-phase 4-wire 380-400-415 V 50/60 Hz | | |
| Cooling capacity (Nominal) | *1 | kW | 69.0 | | |
| | | kcal/h | 59,300 | | |
| | | BTU/h | 235,400 | | |
| | Power input | kW | 19.43 | | |
| | | Current input | A | 32.8-31.1-30.0 | |
| EER | kW/kW | | 3.55 | | |
| | Indoor | W.B. | 15.0~24.0°C (59~75°F) | | |
| Temp. range of cooling | Outdoor | D.B. | -5.0~52.0°C (23~126°F) | | |
| | Heating capacity (Nominal) | | | *2 | |
| Heating capacity (Nominal) | *2 | kW | 76.5 | | |
| | | kcal/h | 65,800 | | |
| | | BTU/h | 261,000 | | |
| | Power input | kW | 19.36 | | |
| | | Current input | A | 32.6-31.0-29.9 | |
| COP | | kW/kW | 3.95 | | |
| Temp. range of heating | Indoor | D.B. | 15.0~27.0°C (59~81°F) | | |
| | Outdoor | W.B. | -20.0~15.5°C (-4~60°F) | | |
| Indoor unit connectable | Total capacity | | 50~130% of outdoor unit capacity | | |
| | Model/Quantity | | P15~P250/2~50 | | |
| Sound pressure level (measured in anechoic room) | | dB <A> | 63.5 | | |
| Sound power level (measured in anechoic room) | | dB <A> | 84.5 | | |
| Refrigerant piping diameter | Liquid pipe | mm (in.) | 15.88 (5/8) Brazed | | |
| | Gas pipe | mm (in.) | 28.58 (1-1/8) Brazed | | |

Set Model

| Model | | | PUHY-P250YKB-A1 (-BS) | | | PUHY-P350YKB-A1 (-BS) | | |
|---------------------------------------|------------------------------|-----------------------------|---|--|-----------------------------|--|--|--|
| FAN | Type x Quantity | | Propeller fan x 1 | | | Propeller fan x 1 | | |
| | Air flow rate | m ³ /min | 175 | | | 210 | | |
| | | L/s | 2,917 | | | 3,500 | | |
| | | cfm | 6,179 | | | 7,415 | | |
| | Control, Driving mechanism | | Inverter-control, Direct-driven by motor | | | Inverter-control, Direct-driven by motor | | |
| | Motor output | kW | 0.92 x 1 | | | 0.92 x 1 | | |
| *3 External static press. | | 0 Pa (0 mmH ₂ O) | | | 0 Pa (0 mmH ₂ O) | | | |
| Compressor | Type x Quantity | | Inverter scroll hermetic compressor | | | Inverter scroll hermetic compressor | | |
| | Manufacture | | AC&R Works, MITSUBISHI ELECTRIC CORPORATION | | | AC&R Works, MITSUBISHI ELECTRIC CORPORATION | | |
| | Starting method | | Inverter | | | Inverter | | |
| | Motor output | kW | 6.9 | | | 10.5 | | |
| | Case heater | kW | - | | | - | | |
| | Lubricant | | MEL32 | | | MEL32 | | |
| External finish | | | Pre-coated galvanized steel sheets (+powder coating for -BS type) <MUNSELL 5Y 8/1 or similar> | | | Pre-coated galvanized steel sheets (+powder coating for -BS type) <MUNSELL 5Y 8/1 or similar> | | |
| External dimension H x W x D | | | mm 1,710 (1,650 without legs) x 920 x 740 | | | mm 1,710 (1,650 without legs) x 1,220 x 740 | | |
| | | | in. 67-3/8 (65 without legs) x 36-1/4 x 29-3/16 | | | in. 67-3/8 (65 without legs) x 48-1/16 x 29-3/16 | | |
| Protection devices | High pressure protection | | High pressure sensor, High pressure switch at 4.15 MPa (601 psi) | | | High pressure sensor, High pressure switch at 4.15 MPa (601 psi) | | |
| | Inverter circuit (COMP./FAN) | | Over-heat protection, Over-current protection | | | Over-heat protection, Over-current protection | | |
| | Compressor | | - | | | - | | |
| | Fan motor | | - | | | - | | |
| Refrigerant | Type x original charge | | R410A x 8.0 kg (18 lbs) | | | R410A x 11.5 kg (26 lbs) | | |
| | Control | | LEV and HIC circuit | | | | | |
| Net weight | | kg (lbs) | 199 (439) | | | 251 (554) | | |
| Heat exchanger | | | Salt-resistant cross fin & copper tube | | | Salt-resistant cross fin & copper tube | | |
| HIC circuit (HIC: Heat Inter-Changer) | | | Copper pipe, tube-in-tube structure | | | Copper pipe, tube-in-tube structure | | |
| Pipe between unit and distributor | Liquid pipe | mm (in.) | 9.52 (3/8) Brazed | | | 12.7 (1/2) Brazed | | |
| | Gas pipe | mm (in.) | 22.2 (7/8) Brazed | | | 28.58 (1-1/8) Brazed | | |
| Defrosting method | | | Auto-defrost mode (Reversed refrigerant cycle, Hot gas) | | | | | |
| Drawing | External | | KJ94R999 | | | | | |
| | Wiring | | KE94G038 | | | KE94G038 | | |
| Standard attachment | Document | | Installation Manual | | | | | |
| | Accessory | | Refrigerant conn. pipe | | | | | |
| Optional parts | | | Outdoor Twinning kit: CMY-Y100VBK3 Joint: CMY-Y102SS/LS-G2, CMY-Y202S/302S-G2 Header: CMY-Y104/108/1010-G | | | | | |
| Remarks | | | Details on foundation work, duct work, insulation work, electrical wiring, power source switch, and other items shall be referred to the Installation Manual. Due to continuing improvement, above specifications may be subject to change without notice. | | | | | |

Notes:

- Nominal cooling conditions (subject to JIS B8615-2)
Indoor: 27°C D.B./19°C W.B. (81°F D.B./66°F W.B.), Outdoor: 35°C D.B./24°C W.B. (95°F D.B./75°F W.B.)
Pipe length: 7.5 m (24-9/16 ft.), Level difference: 0 m (0 ft.)
- Nominal heating conditions (subject to JIS B8615-2)
Indoor: 20°C D.B. (68°F D.B.), Outdoor: 7°C D.B./6°C W.B. (45°F D.B./43°F W.B.)
Pipe length: 7.5 m (24-9/16 ft.), Level difference: 0 m (0 ft.)
- External static pressure option is available (30Pa, 60Pa/3.1mmH₂O, 6.1mmH₂O).

Unit converter

BTU/h =kW x 3.412
cfm =m³/min x 35.31
lbs =kg/0.4536

*Above specification data is subject to rounding variation.

1. SPECIFICATIONS

| Model | | | PUHY-P650YSKB-A1 (-BS) | |
|--|----------------|----------------------------------|---------------------------------------|----------------|
| Power source | | | 3-phase 4-wire 380-400-415 V 50/60 Hz | |
| Cooling capacity (Nominal) | *1 | kW | 73.0 | |
| | | kcal/h | 62,800 | |
| | | BTU/h | 249,100 | |
| | Power input | kW | 20.97 | |
| | | Current input | A | 35.4-33.6-32.4 |
| EER | | kW/kW | 3.48 | |
| Temp. range of cooling | Indoor | W.B. | 15.0~24.0°C (59~75°F) | |
| | Outdoor | D.B. | -5.0~52.0°C (23~126°F) | |
| Heating capacity (Nominal) | *2 | kW | 81.5 | |
| | | kcal/h | 70,100 | |
| | | BTU/h | 278,100 | |
| | Power input | kW | 21.00 | |
| | | Current input | A | 35.4-33.6-32.4 |
| COP | | kW/kW | 3.88 | |
| Temp. range of heating | Indoor | D.B. | 15.0~27.0°C (59~81°F) | |
| | Outdoor | W.B. | -20.0~15.5°C (-4~60°F) | |
| Indoor unit connectable | Total capacity | 50~130% of outdoor unit capacity | | |
| | Model/Quantity | P15~P250/2~50 | | |
| Sound pressure level (measured in anechoic room) | | dB <A> | 64 | |
| Sound power level (measured in anechoic room) | | dB <A> | 86 | |
| Refrigerant piping diameter | Liquid pipe | mm (in.) | 15.88 (5/8) Brazed | |
| | Gas pipe | mm (in.) | 28.58 (1-1/8) Brazed | |

| Model | | | PUHY-P300YKB-A1 (-BS) | | PUHY-P350YKB-A1 (-BS) | |
|---------------------------------------|------------------------------|-----------------------------|---|-----------------------------|--|----------|
| FAN | Type x Quantity | | Propeller fan x 1 | | Propeller fan x 1 | |
| | Air flow rate | m ³ /min | 210 | | 210 | |
| | | L/s | 3,500 | | 3,500 | |
| | | cfm | 7,415 | | 7,415 | |
| | Control, Driving mechanism | | Inverter-control, Direct-driven by motor | | Inverter-control, Direct-driven by motor | |
| | *3 | Motor output | kW | 0.92 x 1 | | 0.92 x 1 |
| External static press. | | 0 Pa (0 mmH ₂ O) | | 0 Pa (0 mmH ₂ O) | | |
| Compressor | Type x Quantity | | Inverter scroll hermetic compressor | | Inverter scroll hermetic compressor | |
| | Manufacture | | AC&R Works, MITSUBISHI ELECTRIC CORPORATION | | AC&R Works, MITSUBISHI ELECTRIC CORPORATION | |
| | Starting method | | Inverter | | Inverter | |
| | Motor output | kW | 8.1 | | 10.5 | |
| | Case heater | kW | - | | - | |
| | Lubricant | MEL32 | | MEL32 | | |
| External finish | | | Pre-coated galvanized steel sheets (+powder coating for -BS type) <MUNSELL 5Y 8/1 or similar> | | Pre-coated galvanized steel sheets (+powder coating for -BS type) <MUNSELL 5Y 8/1 or similar> | |
| External dimension H x W x D | | | mm 1,710 (1,650 without legs) x 1,220 x 740 67-3/8 (65 without legs) x 48-1/16 x 29-3/16 | | mm 1,710 (1,650 without legs) x 1,220 x 740 67-3/8 (65 without legs) x 48-1/16 x 29-3/16 | |
| Protection devices | High pressure protection | | High pressure sensor, High pressure switch at 4.15 MPa (601 psi) | | High pressure sensor, High pressure switch at 4.15 MPa (601 psi) | |
| | Inverter circuit (COMP./FAN) | | Over-heat protection, Over-current protection | | Over-heat protection, Over-current protection | |
| | Compressor | | - | | - | |
| | Fan motor | | - | | - | |
| Refrigerant | Type x original charge | | R410A x 11.5 kg (26 lbs) | | R410A x 11.5 kg (26 lbs) | |
| | Control | | LEV and HIC circuit | | | |
| Net weight | | kg (lbs) | 251 (554) | | 251 (554) | |
| Heat exchanger | | | Salt-resistant cross fin & copper tube | | Salt-resistant cross fin & copper tube | |
| HIC circuit (HIC: Heat Inter-Changer) | | | Copper pipe, tube-in-tube structure | | Copper pipe, tube-in-tube structure | |
| Pipe between unit and distributor | Liquid pipe | mm (in.) | 12.7 (1/2) Brazed | | 12.7 (1/2) Brazed | |
| | Gas pipe | mm (in.) | 22.2 (7/8) Brazed | | 28.58 (1-1/8) Brazed | |
| Defrosting method | | | Auto-defrost mode (Reversed refrigerant cycle, Hot gas) | | | |
| Drawing | External | | KJ94T001 | | | |
| | Wiring | | KE94G038 | | KE94G038 | |
| Standard attachment | Document | | Installation Manual | | | |
| | Accessory | | Refrigerant conn. pipe | | | |
| Optional parts | | | Outdoor Twinning kit: CMY-Y100VBK3 Joint: CMY-Y102SS/LS-G2, CMY-Y202S/302S-G2 Header: CMY-Y104/108/1010-G | | | |
| Remarks | | | Details on foundation work, duct work, insulation work, electrical wiring, power source switch, and other items shall be referred to the Installation Manual. Due to continuing improvement, above specifications may be subject to change without notice. | | | |

| Notes: | Unit converter |
|---|---|
| 1.Nominal cooling conditions (subject to JIS B8615-2) Indoor: 27°C D.B./19°C W.B. (81°F D.B./66°F W.B.), Outdoor: 35°C D.B./24°C W.B. (95°F D.B./75°F W.B.) Pipe length: 7.5 m (24-9/16 ft.), Level difference: 0 m (0 ft.) | BTU/h =kW x 3,412 |
| 2.Nominal heating conditions (subject to JIS B8615-2) Indoor: 20°C D.B. (68°F D.B.), Outdoor: 7°C D.B./6°C W.B. (45°F D.B./43°F W.B.) Pipe length: 7.5 m (24-9/16 ft.), Level difference: 0 m (0 ft.) | cfm =m ³ /min x 35.31 |
| 3.External static pressure option is available (30Pa, 60Pa/3.1mmH ₂ O, 6.1mmH ₂ O). | lbs =kg/0.4536 |
| | *Above specification data is subject to rounding variation. |

1. SPECIFICATIONS

YKB/YLM

| | | | | | | |
|--|----------------|---------------|---------------------------------------|----------------|--|--|
| Model | | | PUHY-P700YSKB-A1 (-BS) | | | |
| Power source | | | 3-phase 4-wire 380-400-415 V 50/60 Hz | | | |
| Cooling capacity (Nominal) | *1 | kW | 80.0 | | | |
| | | kcal/h | 68,800 | | | |
| | | BTU/h | 273,000 | | | |
| | Power input | kW | 24.69 | | | |
| | | Current input | A | 41.6-39.5-38.1 | | |
| | | EER | kW/kW | 3.24 | | |
| Temp. range of cooling | Indoor | W.B. | 15.0~24.0°C (59~75°F) | | | |
| | Outdoor | D.B. | -5.0~52.0°C (23~126°F) | | | |
| Heating capacity (Nominal) | *2 | kW | 88.0 | | | |
| | | kcal/h | 75,700 | | | |
| | | BTU/h | 300,300 | | | |
| | Power input | kW | 22.97 | | | |
| | | Current input | A | 38.7-36.8-35.5 | | |
| | | COP | kW/kW | 3.83 | | |
| Temp. range of heating | Indoor | D.B. | 15.0~27.0°C (59~81°F) | | | |
| | Outdoor | W.B. | -20.0~15.5°C (-4~60°F) | | | |
| Indoor unit connectable | Total capacity | | 50~130% of outdoor unit capacity | | | |
| | Model/Quantity | | P15~P250/2~50 | | | |
| Sound pressure level (measured in anechoic room) | dB <A> | | 64 | | | |
| Sound power level (measured in anechoic room) | dB <A> | | 86 | | | |
| Refrigerant piping diameter | Liquid pipe | mm (in.) | 19.05 (3/4) Brazed | | | |
| | Gas pipe | mm (in.) | 34.93 (1-3/8) Brazed | | | |

Set Model

| Model | | | PUHY-P350YKB-A1 (-BS) | | | PUHY-P350YKB-A1 (-BS) | | |
|---------------------------------------|------------------------------|-----------------------------|---|--|-----------------------------|---|--|--|
| FAN | Type x Quantity | | Propeller fan x 1 | | | Propeller fan x 1 | | |
| | Air flow rate | m ³ /min | 210 | | | 210 | | |
| | | L/s | 3,500 | | | 3,500 | | |
| | | cfm | 7,415 | | | 7,415 | | |
| | Control, Driving mechanism | | Inverter-control, Direct-driven by motor | | | Inverter-control, Direct-driven by motor | | |
| | Motor output | kW | 0.92 x 1 | | | 0.92 x 1 | | |
| *3 External static press. | | 0 Pa (0 mmH ₂ O) | | | 0 Pa (0 mmH ₂ O) | | | |
| Compressor | Type x Quantity | | Inverter scroll hermetic compressor | | | Inverter scroll hermetic compressor | | |
| | Manufacture | | AC&R Works, MITSUBISHI ELECTRIC CORPORATION | | | AC&R Works, MITSUBISHI ELECTRIC CORPORATION | | |
| | Starting method | | Inverter | | | Inverter | | |
| | Motor output | kW | 10.5 | | | 10.5 | | |
| | Case heater | kW | - | | | - | | |
| | Lubricant | | MEL32 | | | MEL32 | | |
| External finish | | | Pre-coated galvanized steel sheets (+powder coating for -BS type) <MUNSELL 5Y 8/1 or similar> | | | Pre-coated galvanized steel sheets (+powder coating for -BS type) <MUNSELL 5Y 8/1 or similar> | | |
| External dimension H x W x D | | | mm 1,710 (1,650 without legs) x 1,220 x 740 | | | mm 1,710 (1,650 without legs) x 1,220 x 740 | | |
| | | | in. 67-3/8 (65 without legs) x 48-1/16 x 29-3/16 | | | in. 67-3/8 (65 without legs) x 48-1/16 x 29-3/16 | | |
| Protection devices | High pressure protection | | High pressure sensor, High pressure switch at 4.15 MPa (601 psi) | | | High pressure sensor, High pressure switch at 4.15 MPa (601 psi) | | |
| | Inverter circuit (COMP./FAN) | | Over-heat protection, Over-current protection | | | Over-heat protection, Over-current protection | | |
| | Compressor | | - | | | - | | |
| | Fan motor | | - | | | - | | |
| Refrigerant | Type x original charge | | R410A x 11.5 kg (26 lbs) | | | R410A x 11.5 kg (26 lbs) | | |
| | Control | | LEV and HIC circuit | | | LEV and HIC circuit | | |
| Net weight | | | kg (lbs) 251 (554) | | | kg (lbs) 251 (554) | | |
| Heat exchanger | | | Salt-resistant cross fin & copper tube | | | Salt-resistant cross fin & copper tube | | |
| HIC circuit (HIC: Heat Inter-Changer) | | | Copper pipe, tube-in-tube structure | | | Copper pipe, tube-in-tube structure | | |
| Pipe between unit and distributor | Liquid pipe | mm (in.) | 12.7 (1/2) Brazed | | | 12.7 (1/2) Brazed | | |
| | Gas pipe | mm (in.) | 28.58 (1-1/8) Brazed | | | 28.58 (1-1/8) Brazed | | |
| Defrosting method | | | Auto-defrost mode (Reversed refrigerant cycle, Hot gas) | | | Auto-defrost mode (Reversed refrigerant cycle, Hot gas) | | |
| Drawing | External | | KJ94T001 | | | KJ94T001 | | |
| | Wiring | | KE94G038 | | | KE94G038 | | |
| Standard attachment | Document | | Installation Manual | | | Installation Manual | | |
| | Accessory | | Refrigerant conn. pipe | | | Refrigerant conn. pipe | | |
| Optional parts | | | Outdoor Twinning kit: CMY-Y200VBK2 Joint: CMY-Y102SS/LS-G2, CMY-Y202S/302S-G2 Header: CMY-Y104/108/1010-G | | | Outdoor Twinning kit: CMY-Y200VBK2 Joint: CMY-Y102SS/LS-G2, CMY-Y202S/302S-G2 Header: CMY-Y104/108/1010-G | | |
| Remarks | | | Details on foundation work, duct work, insulation work, electrical wiring, power source switch, and other items shall be referred to the Installation Manual. Due to continuing improvement, above specifications may be subject to change without notice. | | | Details on foundation work, duct work, insulation work, electrical wiring, power source switch, and other items shall be referred to the Installation Manual. Due to continuing improvement, above specifications may be subject to change without notice. | | |

Notes:

- Nominal cooling conditions (subject to JIS B8615-2)
Indoor: 27°C D.B./19°C W.B. (81°F D.B./66°F W.B.), Outdoor: 35°C D.B./24°C W.B. (95°F D.B./75°F W.B.)
Pipe length: 7.5 m (24-9/16 ft.), Level difference: 0 m (0 ft.)
- Nominal heating conditions (subject to JIS B8615-2)
Indoor: 20°C D.B. (68°F D.B.), Outdoor: 7°C D.B./6°C W.B. (45°F D.B./43°F W.B.)
Pipe length: 7.5 m (24-9/16 ft.), Level difference: 0 m (0 ft.)
- External static pressure option is available (30Pa, 60Pa/3.1mmH₂O, 6.1mmH₂O).

Unit converter

BTU/h =kW x 3.412
cfm =m³/min x 35.31
lbs =kg/0.4536

*Above specification data is subject to rounding variation.

1. SPECIFICATIONS

| Model | | PUHY-P750YSKB-A1 (-BS) | |
|--|-----------------|---------------------------------------|------------------------|
| Power source | | 3-phase 4-wire 380-400-415 V 50/60 Hz | |
| Cooling capacity (Nominal) | *1 kW | 85.0 | |
| | kcal/h | 73,100 | |
| | *1 BTU/h | 290,000 | |
| | Power input kW | 26.56 | |
| | Current input A | 44.8-42.5-41.0 | |
| Temp. range of cooling | EER | 3.20 | |
| | Indoor | W.B. | 15.0~24.0°C (59~75°F) |
| | Outdoor | D.B. | -5.0~52.0°C (23~126°F) |
| Heating capacity (Nominal) | *2 kW | 95.0 | |
| | kcal/h | 81,700 | |
| | *2 BTU/h | 324,100 | |
| | Power input kW | 24.93 | |
| | Current input A | 42.0-39.9-38.5 | |
| Temp. range of heating | COP | 3.81 | |
| | Indoor | D.B. | 15.0~27.0°C (59~81°F) |
| | Outdoor | W.B. | -20.0~15.5°C (-4~60°F) |
| Indoor unit connectable | Total capacity | 50~130% of outdoor unit capacity | |
| | Model/Quantity | P15-P250/2-50 | |
| Sound pressure level (measured in anechoic room) | dB <A> | 65.5 | |
| Sound power level (measured in anechoic room) | dB <A> | 86 | |
| Refrigerant piping diameter | Liquid pipe | mm (in.) | 19.05 (3/4) Brazed |
| | Gas pipe | mm (in.) | 34.93 (1-3/8) Brazed |

Set Model

| Model | | PUHY-P350YKB-A1 (-BS) | | PUHY-P400YKB-A1 (-BS) | |
|---------------------------------------|---|--|--|--|--|
| FAN | Type x Quantity | Propeller fan x 1 | | Propeller fan x 1 | |
| | Air flow rate | m ³ /min | 210 | 210 | |
| | | L/s | 3,500 | 3,500 | |
| | | cfm | 7,415 | 7,415 | |
| | Control, Driving mechanism | Inverter-control, Direct-driven by motor | | Inverter-control, Direct-driven by motor | |
| | Motor output | kW | 0.92 x 1 | 0.92 x 1 | |
| *3 External static press. | 0 Pa (0 mmH ₂ O) | | 0 Pa (0 mmH ₂ O) | | |
| Compressor | Type x Quantity | Inverter scroll hermetic compressor | | Inverter scroll hermetic compressor | |
| | Manufacture | AC&R Works, MITSUBISHI ELECTRIC CORPORATION | | AC&R Works, MITSUBISHI ELECTRIC CORPORATION | |
| | Starting method | Inverter | | Inverter | |
| | Motor output | kW | 10.5 | 10.8 | |
| | Case heater | kW | - | - | |
| Lubricant | MEL32 | | MEL32 | | |
| External finish | Pre-coated galvanized steel sheets (+powder coating for -BS type) <MUNSELL 5Y 8/1 or similar> | | Pre-coated galvanized steel sheets (+powder coating for -BS type) <MUNSELL 5Y 8/1 or similar> | | |
| External dimension H x W x D | mm | 1,710 (1,650 without legs) x 1,220 x 740 | | 1,710 (1,650 without legs) x 1,220 x 740 | |
| | in. | 67-3/8 (65 without legs) x 48-1/16 x 29-3/16 | | 67-3/8 (65 without legs) x 48-1/16 x 29-3/16 | |
| Protection devices | High pressure protection | High pressure sensor, High pressure switch at 4.15 MPa (601 psi) | | High pressure sensor, High pressure switch at 4.15 MPa (601 psi) | |
| | Inverter circuit (COMP./FAN) | Over-heat protection, Over-current protection | | Over-heat protection, Over-current protection | |
| | Compressor | - | | - | |
| | Fan motor | - | | - | |
| Refrigerant | Type x original charge | R410A x 11.5 kg (26 lbs) | | R410A x 11.5 kg (26 lbs) | |
| | Control | LEV and HIC circuit | | | |
| Net weight | kg (lbs) | 251 (554) | | 251 (554) | |
| Heat exchanger | Salt-resistant cross fin & copper tube | | Salt-resistant cross fin & copper tube | | |
| HIC circuit (HIC: Heat Inter-Changer) | Copper pipe, tube-in-tube structure | | Copper pipe, tube-in-tube structure | | |
| Pipe between unit and distributor | Liquid pipe | mm (in.) | 12.7 (1/2) Brazed | 15.88 (5/8) Brazed | |
| | Gas pipe | mm (in.) | 28.58 (1-1/8) Brazed | 28.58 (1-1/8) Brazed | |
| Defrosting method | Auto-defrost mode (Reversed refrigerant cycle, Hot gas) | | | | |
| Drawing | External | KJ94T001 | | | |
| | Wiring | KE94G038 | | KE94G038 | |
| Standard attachment | Document | Installation Manual | | | |
| | Accessory | Refrigerant conn. pipe | | | |
| Optional parts | Outdoor Twinning kit: CMY-Y200VBK2 Joint: CMY-Y102SS/LS-G2, CMY-Y202S/302S-G2 Header: CMY-Y104/108/1010-G | | | | |
| Remarks | Details on foundation work, duct work, insulation work, electrical wiring, power source switch, and other items shall be referred to the Installation Manual. Due to continuing improvement, above specifications may be subject to change without notice. | | | | |

| Notes: | Unit converter |
|---|---|
| 1.Nominal cooling conditions (subject to JIS B8615-2) Indoor: 27°C D.B./19°C W.B. (81°F D.B./66°F W.B.), Outdoor: 35°C D.B./24°C W.B. (95°F D.B./75°F W.B.) Pipe length: 7.5 m (24-9/16 ft.), Level difference: 0 m (0 ft.) | BTU/h =kW x 3,412 |
| 2.Nominal heating conditions (subject to JIS B8615-2) Indoor: 20°C D.B. (68°F D.B.), Outdoor: 7°C D.B./6°C W.B. (45°F D.B./43°F W.B.) Pipe length: 7.5 m (24-9/16 ft.), Level difference: 0 m (0 ft.) | cfm =m ³ /min x 35.31 |
| 3.External static pressure option is available (30Pa, 60Pa/3.1mmH ₂ O, 6.1mmH ₂ O). | lbs =kg/0.4536 |
| | *Above specification data is subject to rounding variation. |

1. SPECIFICATIONS

YKB/YLM

| | | | | | |
|--|----------------|---------------|---------------------------------------|----------------|--|
| Model | | | PUHY-P800YSKB-A1 (-BS) | | |
| Power source | | | 3-phase 4-wire 380-400-415 V 50/60 Hz | | |
| Cooling capacity (Nominal) | *1 | kW | 90.0 | | |
| | | kcal/h | 77,400 | | |
| | | BTU/h | 307,100 | | |
| | Power input | kW | 27.86 | | |
| | | Current input | A | 47.0-44.6-43.0 | |
| EER | kW/kW | 3.23 | | | |
| Temp. range of cooling | Indoor | W.B. | 15.0~24.0°C (59~75°F) | | |
| | Outdoor | D.B. | -5.0~52.0°C (23~126°F) | | |
| Heating capacity (Nominal) | *2 | kW | 100.0 | | |
| | | kcal/h | 86,000 | | |
| | | BTU/h | 341,200 | | |
| | Power input | kW | 27.62 | | |
| | | Current input | A | 46.6-44.2-42.6 | |
| COP | kW/kW | 3.62 | | | |
| Temp. range of heating | Indoor | D.B. | 15.0~27.0°C (59~81°F) | | |
| | Outdoor | W.B. | -20.0~15.5°C (-4~60°F) | | |
| Indoor unit connectable | Total capacity | | 50~130% of outdoor unit capacity | | |
| | Model/Quantity | | P15~P250/2~50 | | |
| Sound pressure level (measured in anechoic room) | dB <A> | | 67.5 | | |
| Sound power level (measured in anechoic room) | dB <A> | | 87.5 | | |
| Refrigerant | Liquid pipe | mm (in.) | 19.05 (3/4) Brazed | | |
| piping diameter | Gas pipe | mm (in.) | 34.93 (1-3/8) Brazed | | |

Set Model

| Model | | | PUHY-P350YKB-A1 (-BS) | | | PUHY-P450YKB-A1 (-BS) | | |
|---------------------------------------|------------------------------|---------------------|---|--|--|--|--|--|
| FAN | Type x Quantity | | Propeller fan x 1 | | | Propeller fan x 2 | | |
| | Air flow rate | m ³ /min | 210 | | | 360 | | |
| | | L/s | 3,500 | | | 6,000 | | |
| | | cfm | 7,415 | | | 12,712 | | |
| | Control, Driving mechanism | | Inverter-control, Direct-driven by motor | | | Inverter-control, Direct-driven by motor | | |
| | Motor output | kW | 0.92 x 1 | | | 0.92 x 2 | | |
| *3 | External static press. | | 0 Pa (0 mmH ₂ O) | | | 0 Pa (0 mmH ₂ O) | | |
| Compressor | Type x Quantity | | Inverter scroll hermetic compressor | | | Inverter scroll hermetic compressor | | |
| | Manufacture | | AC&R Works, MITSUBISHI ELECTRIC CORPORATION | | | AC&R Works, MITSUBISHI ELECTRIC CORPORATION | | |
| | Starting method | | Inverter | | | Inverter | | |
| | Motor output | kW | 10.5 | | | 12.4 | | |
| | Case heater | kW | - | | | 0.045 | | |
| | Lubricant | | MEL32 | | | MEL32 | | |
| External finish | | | Pre-coated galvanized steel sheets (+powder coating for -BS type) <MUNSELL 5Y 8/1 or similar> | | | Pre-coated galvanized steel sheets (+powder coating for -BS type) <MUNSELL 5Y 8/1 or similar> | | |
| External dimension H x W x D | | | mm 1,710 (1,650 without legs) x 1,220 x 740 | | | mm 1,710 (1,650 without legs) x 1,750 x 740 | | |
| | | | in. 67-3/8 (65 without legs) x 48-1/16 x 29-3/16 | | | in. 67-3/8 (65 without legs) x 68-15/16 x 29-3/16 | | |
| Protection devices | High pressure protection | | High pressure sensor, High pressure switch at 4.15 MPa (601 psi) | | | High pressure sensor, High pressure switch at 4.15 MPa (601 psi) | | |
| | Inverter circuit (COMP./FAN) | | Over-heat protection, Over-current protection | | | Over-heat protection, Over-current protection | | |
| | Compressor | | - | | | - | | |
| | Fan motor | | - | | | - | | |
| Refrigerant | Type x original charge | | R410A x 11.5 kg (26 lbs) | | | R410A x 11.8 kg (27 lbs) | | |
| | Control | | LEV and HIC circuit | | | | | |
| Net weight | | | kg (lbs) 251 (554) | | | kg (lbs) 304 (671) | | |
| Heat exchanger | | | Salt-resistant cross fin & copper tube | | | Salt-resistant cross fin & copper tube | | |
| HIC circuit (HIC: Heat Inter-Changer) | | | Copper pipe, tube-in-tube structure | | | Copper pipe, tube-in-tube structure | | |
| Pipe between unit and distributor | Liquid pipe | mm (in.) | 12.7 (1/2) Brazed | | | 15.88 (5/8) Brazed | | |
| | Gas pipe | mm (in.) | 28.58 (1-1/8) Brazed | | | 28.58 (1-1/8) Brazed | | |
| Defrosting method | | | Auto-defrost mode (Reversed refrigerant cycle, Hot gas) | | | | | |
| Drawing | External | | KJ94T002 | | | | | |
| | Wiring | | KE94G038 | | | KE94C967 | | |
| Standard attachment | Document | | Installation Manual | | | | | |
| | Accessory | | Refrigerant conn. pipe | | | | | |
| Optional parts | | | Outdoor Twinning kit: CMY-Y200VBK2 Joint: CMY-Y102SS/LS-G2, CMY-Y202S/302S-G2 Header: CMY-Y104/108/1010-G | | | | | |
| Remarks | | | Details on foundation work, duct work, insulation work, electrical wiring, power source switch, and other items shall be referred to the Installation Manual. Due to continuing improvement, above specifications may be subject to change without notice. | | | | | |

Notes:

- Nominal cooling conditions (subject to JIS B8615-2)
Indoor: 27°C D.B./19°C W.B. (81°F D.B./66°F W.B.), Outdoor: 35°C D.B./24°C W.B. (95°F D.B./75°F W.B.)
Pipe length: 7.5 m (24-9/16 ft.), Level difference: 0 m (0 ft.)
- Nominal heating conditions (subject to JIS B8615-2)
Indoor: 20°C D.B. (68°F D.B.), Outdoor: 7°C D.B./6°C W.B. (45°F D.B./43°F W.B.)
Pipe length: 7.5 m (24-9/16 ft.), Level difference: 0 m (0 ft.)
- External static pressure option is available (30Pa, 60Pa/3.1mmH₂O, 6.1mmH₂O).

Unit converter

| | |
|-------|------------------------------|
| BTU/h | =kW x 3.412 |
| cfm | =m ³ /min x 35.31 |
| lbs | =kg/0.4536 |

*Above specification data is subject to rounding variation.

1. SPECIFICATIONS

| Model | | PUHY-P850YSKB-A1 (-BS) | |
|--|------------------------|---------------------------------------|--|
| Power source | | 3-phase 4-wire 380-400-415 V 50/60 Hz | |
| Cooling capacity (Nominal) | *1 kW | 96.0 | |
| | kcal/h | 82,600 | |
| | *1 BTU/h | 327,600 | |
| | Power input kW | 30.18 | |
| | Current input A | 50.9-48.4-46.6 | |
| Temp. range of cooling | EER kW/kW | 3.18 | |
| | Indoor W.B. | 15.0~24.0°C (59~75°F) | |
| Outdoor D.B. | -5.0~52.0°C (23~126°F) | | |
| Heating capacity (Nominal) | *2 kW | 108.0 | |
| | kcal/h | 92,900 | |
| | *2 BTU/h | 368,500 | |
| | Power input kW | 29.90 | |
| | Current input A | 50.4-47.9-46.2 | |
| Temp. range of heating | COP kW/kW | 3.61 | |
| | Indoor D.B. | 15.0~27.0°C (59~81°F) | |
| Outdoor W.B. | -20.0~15.5°C (-4~60°F) | | |
| Indoor unit connectable | Total capacity | 50~130% of outdoor unit capacity | |
| | Model/Quantity | P15-P250/2-50 | |
| Sound pressure level (measured in anechoic room) | dB <A> | 68 | |
| Sound power level (measured in anechoic room) | dB <A> | 87.5 | |
| Refrigerant piping diameter | Liquid pipe mm (in.) | 19.05 (3/4) Brazed | |
| | Gas pipe mm (in.) | 41.28 (1-5/8) Brazed | |

Set Model

| Model | | PUHY-P400YKB-A1 (-BS) | | PUHY-P450YKB-A1 (-BS) | | |
|---------------------------------------|---|---|--|---|--|--|
| FAN | Type x Quantity | Propeller fan x 1 | | Propeller fan x 2 | | |
| | Air flow rate | m ³ /min | 210 | | 360 | |
| | | L/s | 3,500 | | 6,000 | |
| | | cfm | 7,415 | | 12,712 | |
| | Control, Driving mechanism | Inverter-control, Direct-driven by motor | | Inverter-control, Direct-driven by motor | | |
| *3 Motor output kW | 0.92 x 1 | | 0.92 x 2 | | | |
| External static press. | 0 Pa (0 mmH ₂ O) | | 0 Pa (0 mmH ₂ O) | | | |
| Compressor | Type x Quantity | Inverter scroll hermetic compressor | | Inverter scroll hermetic compressor | | |
| | Manufacture | AC&R Works, MITSUBISHI ELECTRIC CORPORATION | | AC&R Works, MITSUBISHI ELECTRIC CORPORATION | | |
| | Starting method | Inverter | | Inverter | | |
| | Motor output kW | 10.8 | | 12.4 | | |
| | Case heater kW | - | | 0.045 | | |
| Lubricant | MEL32 | | MEL32 | | | |
| External finish | Pre-coated galvanized steel sheets (+powder coating for -BS type) <MUNSELL 5Y 8/1 or similar> | | Pre-coated galvanized steel sheets (+powder coating for -BS type) <MUNSELL 5Y 8/1 or similar> | | | |
| External dimension H x W x D | mm | 1,710 (1,650 without legs) x 1,220 x 740 | | 1,710 (1,650 without legs) x 1,750 x 740 | | |
| | | in. | 67-3/8 (65 without legs) x 48-1/16 x 29-3/16 | | 67-3/8 (65 without legs) x 68-15/16 x 29-3/16 | |
| Protection devices | High pressure protection | | High pressure sensor, High pressure switch at 4.15 MPa (601 psi) | | High pressure sensor, High pressure switch at 4.15 MPa (601 psi) | |
| | Inverter circuit (COMP./FAN) | Over-heat protection, Over-current protection | | Over-heat protection, Over-current protection | | |
| | Compressor | - | | - | | |
| | Fan motor | - | | - | | |
| Refrigerant | Type x original charge | R410A x 11.5 kg (26 lbs) | | R410A x 11.8 kg (27 lbs) | | |
| | Control | LEV and HIC circuit | | | | |
| Net weight | kg (lbs) | 251 (554) | | 304 (671) | | |
| Heat exchanger | Salt-resistant cross fin & copper tube | | Salt-resistant cross fin & copper tube | | | |
| HIC circuit (HIC: Heat Inter-Changer) | Copper pipe, tube-in-tube structure | | Copper pipe, tube-in-tube structure | | | |
| Pipe between unit and distributor | Liquid pipe mm (in.) | 15.88 (5/8) Brazed | | 15.88 (5/8) Brazed | | |
| | Gas pipe mm (in.) | 28.58 (1-1/8) Brazed | | 28.58 (1-1/8) Brazed | | |
| Defrosting method | Auto-defrost mode (Reversed refrigerant cycle, Hot gas) | | | | | |
| Drawing | External | KJ94T002 | | | | |
| | Wiring | KE94G038 | | KE94C967 | | |
| Standard attachment | Document | Installation Manual | | | | |
| | Accessory | Refrigerant conn. pipe | | | | |
| Optional parts | Outdoor Twinning kit: CMY-Y200VBK2 Joint: CMY-Y102SS/LS-G2, CMY-Y202S/302S-G2 Header: CMY-Y104/108/1010-G | | | | | |
| Remarks | Details on foundation work, duct work, insulation work, electrical wiring, power source switch, and other items shall be referred to the Installation Manual. Due to continuing improvement, above specifications may be subject to change without notice. | | | | | |

Notes:

- Nominal cooling conditions (subject to JIS B8615-2)
Indoor: 27°C D.B./19°C W.B. (81°F D.B./66°F W.B.), Outdoor: 35°C D.B./24°C W.B. (95°F D.B./75°F W.B.)
Pipe length: 7.5 m (24-9/16 ft.), Level difference: 0 m (0 ft.)
- Nominal heating conditions (subject to JIS B8615-2)
Indoor: 20°C D.B. (68°F D.B.), Outdoor: 7°C D.B./6°C W.B. (45°F D.B./43°F W.B.)
Pipe length: 7.5 m (24-9/16 ft.), Level difference: 0 m (0 ft.)
- External static pressure option is available (30Pa, 60Pa/3.1mmH₂O, 6.1mmH₂O).

| Unit converter | |
|---|------------------------------|
| BTU/h | =kW x 3,412 |
| cfm | =m ³ /min x 35.31 |
| lbs | =kg/0.4536 |
| *Above specification data is subject to rounding variation. | |

1. SPECIFICATIONS

YKB/YLM

| | | | | | |
|--|----------------|---------------|---------------------------------------|----------------|--|
| Model | | | PUHY-P900YSKB-A1 (-BS) | | |
| Power source | | | 3-phase 4-wire 380-400-415 V 50/60 Hz | | |
| Cooling capacity (Nominal) | *1 | kW | 101.0 | | |
| | | kcal/h | 86,900 | | |
| | | BTU/h | 344,600 | | |
| | Power input | kW | 31.46 | | |
| | | Current input | A | 53.1-50.4-48.6 | |
| EER | | kW/kW | 3.21 | | |
| Temp. range of cooling | Indoor | W.B. | 15.0~24.0°C (59~75°F) | | |
| | Outdoor | D.B. | -5.0~52.0°C (23~126°F) | | |
| Heating capacity (Nominal) | *2 | kW | 113.0 | | |
| | | kcal/h | 97,200 | | |
| | | BTU/h | 385,600 | | |
| | Power input | kW | 33.00 | | |
| | | Current input | A | 55.7-52.9-51.0 | |
| COP | | kW/kW | 3.42 | | |
| Temp. range of heating | Indoor | D.B. | 15.0~27.0°C (59~81°F) | | |
| | Outdoor | W.B. | -20.0~15.5°C (-4~60°F) | | |
| Indoor unit connectable | Total capacity | | 50~130% of outdoor unit capacity | | |
| | Model/Quantity | | P15~P250/2~50 | | |
| Sound pressure level (measured in anechoic room) | dB <A> | | 69 | | |
| Sound power level (measured in anechoic room) | dB <A> | | 88 | | |
| Refrigerant piping diameter | Liquid pipe | mm (in.) | 19.05 (3/4) Brazed | | |
| | Gas pipe | mm (in.) | 41.28 (1-5/8) Brazed | | |

Set Model

| Model | | | PUHY-P450YKB-A1 (-BS) | | | PUHY-P450YKB-A1 (-BS) | | |
|---------------------------------------|------------------------------|-----------------------------|---|--|-----------------------------|---|--|--|
| FAN | Type x Quantity | | Propeller fan x 2 | | | Propeller fan x 2 | | |
| | Air flow rate | m ³ /min | 360 | | | 360 | | |
| | | L/s | 6,000 | | | 6,000 | | |
| | | cfm | 12,712 | | | 12,712 | | |
| | Control, Driving mechanism | | Inverter-control, Direct-driven by motor | | | Inverter-control, Direct-driven by motor | | |
| | Motor output | kW | 0.92 x 2 | | | 0.92 x 2 | | |
| *3 External static press. | | 0 Pa (0 mmH ₂ O) | | | 0 Pa (0 mmH ₂ O) | | | |
| Compressor | Type x Quantity | | Inverter scroll hermetic compressor | | | Inverter scroll hermetic compressor | | |
| | Manufacture | | AC&R Works, MITSUBISHI ELECTRIC CORPORATION | | | AC&R Works, MITSUBISHI ELECTRIC CORPORATION | | |
| | Starting method | | Inverter | | | Inverter | | |
| | Motor output | kW | 12.4 | | | 12.4 | | |
| | Case heater | kW | 0.045 | | | 0.045 | | |
| | Lubricant | | MEL32 | | | MEL32 | | |
| External finish | | | Pre-coated galvanized steel sheets (+powder coating for -BS type) <MUNSELL 5Y 8/1 or similar> | | | Pre-coated galvanized steel sheets (+powder coating for -BS type) <MUNSELL 5Y 8/1 or similar> | | |
| External dimension H x W x D | | | mm 1,710 (1,650 without legs) x 1,750 x 740 | | | mm 1,710 (1,650 without legs) x 1,750 x 740 | | |
| | | | in. 67-3/8 (65 without legs) x 68-15/16 x 29-3/16 | | | in. 67-3/8 (65 without legs) x 68-15/16 x 29-3/16 | | |
| Protection devices | High pressure protection | | High pressure sensor, High pressure switch at 4.15 MPa (601 psi) | | | High pressure sensor, High pressure switch at 4.15 MPa (601 psi) | | |
| | Inverter circuit (COMP./FAN) | | Over-heat protection, Over-current protection | | | Over-heat protection, Over-current protection | | |
| | Compressor | | - | | | - | | |
| | Fan motor | | - | | | - | | |
| Refrigerant | Type x original charge | | R410A x 11.8 kg (27 lbs) | | | R410A x 11.8 kg (27 lbs) | | |
| | Control | | LEV and HIC circuit | | | LEV and HIC circuit | | |
| Net weight | | kg (lbs) | 304 (671) | | | 304 (671) | | |
| Heat exchanger | | | Salt-resistant cross fin & copper tube | | | Salt-resistant cross fin & copper tube | | |
| HIC circuit (HIC: Heat Inter-Changer) | | | Copper pipe, tube-in-tube structure | | | Copper pipe, tube-in-tube structure | | |
| Pipe between unit and distributor | Liquid pipe | mm (in.) | 15.88 (5/8) Brazed | | | 15.88 (5/8) Brazed | | |
| | Gas pipe | mm (in.) | 28.58 (1-1/8) Brazed | | | 28.58 (1-1/8) Brazed | | |
| Defrosting method | | | Auto-defrost mode (Reversed refrigerant cycle, Hot gas) | | | Auto-defrost mode (Reversed refrigerant cycle, Hot gas) | | |
| Drawing | External | | KJ94T003 | | | KJ94T003 | | |
| | Wiring | | KE94C967 | | | KE94C967 | | |
| Standard attachment | Document | | Installation Manual | | | Installation Manual | | |
| | Accessory | | Refrigerant conn. pipe | | | Refrigerant conn. pipe | | |
| Optional parts | | | Outdoor Twinning kit: CMY-Y200VBK2 Joint: CMY-Y102SS/LS-G2, CMY-Y202S/302S-G2 Header: CMY-Y104/108/1010-G | | | Outdoor Twinning kit: CMY-Y200VBK2 Joint: CMY-Y102SS/LS-G2, CMY-Y202S/302S-G2 Header: CMY-Y104/108/1010-G | | |
| Remarks | | | Details on foundation work, duct work, insulation work, electrical wiring, power source switch, and other items shall be referred to the Installation Manual. Due to continuing improvement, above specifications may be subject to change without notice. | | | Details on foundation work, duct work, insulation work, electrical wiring, power source switch, and other items shall be referred to the Installation Manual. Due to continuing improvement, above specifications may be subject to change without notice. | | |

Notes:

- Nominal cooling conditions (subject to JIS B8615-2)
Indoor: 27°C D.B./19°C W.B. (81°F D.B./66°F W.B.), Outdoor: 35°C D.B./24°C W.B. (95°F D.B./75°F W.B.)
Pipe length: 7.5 m (24-9/16 ft.), Level difference: 0 m (0 ft.)
- Nominal heating conditions (subject to JIS B8615-2)
Indoor: 20°C D.B. (68°F D.B.), Outdoor: 7°C D.B./6°C W.B. (45°F D.B./43°F W.B.)
Pipe length: 7.5 m (24-9/16 ft.), Level difference: 0 m (0 ft.)
- External static pressure option is available (30Pa, 60Pa/3.1mmH₂O, 6.1mmH₂O).

Unit converter

BTU/h =kW x 3.412
cfm =m³/min x 35.31
lbs =kg/0.4536

*Above specification data is subject to rounding variation.

1. SPECIFICATIONS

| Model | | | PUHY-P950YSKB-A1 (-BS) | |
|--|----------------|----------------------------------|---------------------------------------|----------------|
| Power source | | | 3-phase 4-wire 380-400-415 V 50/60 Hz | |
| Cooling capacity (Nominal) | *1 | kW | 108.0 | |
| | | kcal/h | 92,900 | |
| | | BTU/h | 368,500 | |
| | Power input | kW | 30.25 | |
| | | Current input | A | 51.0-48.5-46.7 |
| EER | | kW/kW | 3.57 | |
| Temp. range of cooling | Indoor | W.B. | 15.0~24.0°C (59~75°F) | |
| | Outdoor | D.B. | -5.0~52.0°C (23~126°F) | |
| Heating capacity (Nominal) | *2 | kW | 119.5 | |
| | | kcal/h | 102,800 | |
| | | BTU/h | 407,700 | |
| | Power input | kW | 30.40 | |
| | | Current input | A | 51.3-48.7-46.9 |
| COP | | kW/kW | 3.93 | |
| Temp. range of heating | Indoor | D.B. | 15.0~27.0°C (59~81°F) | |
| | Outdoor | W.B. | -20.0~15.5°C (-4~60°F) | |
| Indoor unit connectable | Total capacity | 50~130% of outdoor unit capacity | | |
| | Model/Quantity | P15-P250/2-50 | | |
| Sound pressure level (measured in anechoic room) | | dB <A> | 66.5 | |
| Sound power level (measured in anechoic room) | | dB <A> | 87 | |
| Refrigerant piping diameter | Liquid pipe | mm (in.) | 19.05 (3/4) Brazed | |
| | Gas pipe | mm (in.) | 41.28 (1-5/8) Brazed | |

| Set Model | | | PUHY-P250YKB-A1 (-BS) | | PUHY-P300YKB-A1 (-BS) | | PUHY-P400YKB-A1 (-BS) | |
|---------------------------------------|------------------------------|---------------------|---|-------|--|-------|--|--|
| FAN | Type x Quantity | | Propeller fan x 1 | | Propeller fan x 1 | | Propeller fan x 1 | |
| | Air flow rate | m ³ /min | 175 | | 210 | | 210 | |
| | | L/s | 2,917 | | 3,500 | | 3,500 | |
| | | cfm | 6,179 | | 7,415 | | 7,415 | |
| | Control, Driving mechanism | | Inverter-control, Direct-driven by motor | | Inverter-control, Direct-driven by motor | | Inverter-control, Direct-driven by motor | |
| | Motor output | kW | 0.92 x 1 | | 0.92 x 1 | | 0.92 x 1 | |
| *3 | External static press. | | 0 Pa (0 mmH ₂ O) | | 0 Pa (0 mmH ₂ O) | | 0 Pa (0 mmH ₂ O) | |
| Compressor | Type x Quantity | | Inverter scroll hermetic compressor | | Inverter scroll hermetic compressor | | Inverter scroll hermetic compressor | |
| | Manufacture | | AC&R Works, MITSUBISHI ELECTRIC CORPORATION | | AC&R Works, MITSUBISHI ELECTRIC CORPORATION | | AC&R Works, MITSUBISHI ELECTRIC CORPORATION | |
| | Starting method | | Inverter | | Inverter | | Inverter | |
| | Motor output | kW | 6.9 | | 8.1 | | 10.8 | |
| | Case heater | kW | - | | - | | - | |
| Lubricant | | MEL32 | | MEL32 | | MEL32 | | |
| External finish | | | Pre-coated galvanized steel sheets (+powder coating for -BS type) <MUNSELL 5Y 8/1 or similar> | | Pre-coated galvanized steel sheets (+powder coating for -BS type) <MUNSELL 5Y 8/1 or similar> | | Pre-coated galvanized steel sheets (+powder coating for -BS type) <MUNSELL 5Y 8/1 or similar> | |
| External dimension H x W x D | | | mm 1,710 (1,650 without legs) x 920 x 740 | | mm 1,710 (1,650 without legs) x 1,220 x 740 | | mm 1,710 (1,650 without legs) x 1,220 x 740 | |
| | | | in. 67-3/8 (65 without legs) x 36-1/4 x 29-3/16 | | in. 67-3/8 (65 without legs) x 48-1/16 x 29-3/16 | | in. 67-3/8 (65 without legs) x 48-1/16 x 29-3/16 | |
| Protection devices | High pressure protection | | High pressure sensor, High pressure switch at 4.15 MPa (601 psi) | | High pressure sensor, High pressure switch at 4.15 MPa (601 psi) | | High pressure sensor, High pressure switch at 4.15 MPa (601 psi) | |
| | Inverter circuit (COMP./FAN) | | Over-heat protection, Over-current protection | | Over-heat protection, Over-current protection | | Over-heat protection, Over-current protection | |
| | Compressor | | - | | - | | - | |
| | Fan motor | | - | | - | | - | |
| Refrigerant | Type x original charge | | R410A x 8.0 kg (18 lbs) | | R410A x 11.5 kg (26 lbs) | | R410A x 11.5 kg (26 lbs) | |
| | Control | | LEV and HIC circuit | | | | | |
| Net weight | | | kg (lbs) 199 (439) | | kg (lbs) 251 (554) | | kg (lbs) 251 (554) | |
| Heat exchanger | | | Salt-resistant cross fin & copper tube | | Salt-resistant cross fin & copper tube | | Salt-resistant cross fin & copper tube | |
| HIC circuit (HIC: Heat Inter-Changer) | | | Copper pipe, tube-in-tube structure | | Copper pipe, tube-in-tube structure | | Copper pipe, tube-in-tube structure | |
| Pipe between unit and distributor | Liquid pipe | mm (in.) | 9.52 (3/8) Brazed | | 12.7 (1/2) Brazed | | 15.88 (5/8) Brazed | |
| | Gas pipe | mm (in.) | 22.2 (7/8) Brazed | | 22.2 (7/8) Brazed | | 28.58 (1-1/8) Brazed | |
| Defrosting method | | | Auto-defrost mode (Reversed refrigerant cycle, Hot gas) | | | | | |
| Drawing | External | | KJ94T004 | | | | | |
| | Wiring | | KE94G038 | | KE94G038 | | KE94G038 | |
| Standard attachment | Document | | Installation Manual | | | | | |
| | Accessory | | Refrigerant conn. pipe | | | | | |
| Optional parts | | | Outdoor Twinning kit: CMY-Y300VBK3 Joint: CMY-Y102SS/LS-G2, CMY-Y202/302S-G2 Header: CMY-Y104/108/1010-G | | | | | |
| Remarks | | | Details on foundation work, duct work, insulation work, electrical wiring, power source switch, and other items shall be referred to the Installation Manual. Due to continuing improvement, above specifications may be subject to change without notice. | | | | | |

| Notes: | Unit converter |
|---|---|
| 1.Nominal cooling conditions (subject to JIS B8615-2) Indoor: 27°C D.B./19°C W.B. (81°F D.B./66°F W.B.), Outdoor: 35°C D.B./24°C W.B. (95°F D.B./75°F W.B.) Pipe length: 7.5 m (24-9/16 ft.), Level difference: 0 m (0 ft.) | BTU/h =kW x 3,412 |
| 2.Nominal heating conditions (subject to JIS B8615-2) Indoor: 20°C D.B. (68°F D.B.), Outdoor: 7°C D.B./6°C W.B. (45°F D.B./43°F W.B.) Pipe length: 7.5 m (24-9/16 ft.), Level difference: 0 m (0 ft.) | cfm =m ³ /min x 35.31 |
| 3.External static pressure option is available (30Pa, 60Pa/3.1mmH ₂ O, 6.1mmH ₂ O). | lbs =kg/0.4536 |
| | *Above specification data is subject to rounding variation. |

1. SPECIFICATIONS

YKB/YLM

| | | | | | |
|--|----------------------------|---------------|---------------------------------------|----------------|--|
| Model | | | PUHY-P1000YSKB-A1 (-BS) | | |
| Power source | | | 3-phase 4-wire 380-400-415 V 50/60 Hz | | |
| Cooling capacity (Nominal) | *1 | kW | 113.0 | | |
| | | kcal/h | 97,200 | | |
| | | BTU/h | 385,600 | | |
| | Power input | kW | 32.10 | | |
| | | Current input | A | 54.1-51.4-49.6 | |
| EER | kW/kW | | 3.52 | | |
| | Indoor | W.B. | 15.0~24.0°C (59~75°F) | | |
| Temp. range of cooling | Outdoor | D.B. | -5.0~52.0°C (23~126°F) | | |
| | Heating capacity (Nominal) | | | *2 | |
| Heating capacity (Nominal) | *2 | kW | 127.0 | | |
| | | kcal/h | 109,200 | | |
| | | BTU/h | 433,300 | | |
| | Power input | kW | 32.70 | | |
| | | Current input | A | 55.2-52.4-50.5 | |
| COP | kW/kW | | 3.88 | | |
| Temp. range of heating | Indoor | D.B. | 15.0~27.0°C (59~81°F) | | |
| | Outdoor | W.B. | -20.0~15.5°C (-4~60°F) | | |
| Indoor unit connectable | Total capacity | | 50~130% of outdoor unit capacity | | |
| | Model/Quantity | | P15~P250/2~50 | | |
| Sound pressure level (measured in anechoic room) | dB <A> | | 66.5 | | |
| Sound power level (measured in anechoic room) | dB <A> | | 88 | | |
| Refrigerant piping diameter | Liquid pipe | mm (in.) | 19.05 (3/4) Brazed | | |
| | Gas pipe | mm (in.) | 41.28 (1-5/8) Brazed | | |

Set Model

| Model | | | PUHY-P300YKB-A1 (-BS) | PUHY-P300YKB-A1 (-BS) | PUHY-P400YKB-A1 (-BS) | |
|---------------------------------------|------------------------------|-----------------------------|---|-----------------------------|--|--|
| FAN | Type x Quantity | | Propeller fan x 1 | | Propeller fan x 1 | |
| | Air flow rate | m ³ /min | 210 | | 210 | |
| | | L/s | 3,500 | | 3,500 | |
| | | cfm | 7,415 | | 7,415 | |
| | Control, Driving mechanism | | Inverter-control, Direct-driven by motor | | Inverter-control, Direct-driven by motor | |
| | Motor output | kW | 0.92 x 1 | | 0.92 x 1 | |
| *3 External static press. | | 0 Pa (0 mmH ₂ O) | | 0 Pa (0 mmH ₂ O) | | |
| Compressor | Type x Quantity | | Inverter scroll hermetic compressor | | Inverter scroll hermetic compressor | |
| | Manufacture | | AC&R Works, MITSUBISHI ELECTRIC CORPORATION | | AC&R Works, MITSUBISHI ELECTRIC CORPORATION | |
| | Starting method | | Inverter | | Inverter | |
| | Motor output | kW | 8.1 | | 10.8 | |
| | Case heater | kW | - | | - | |
| | Lubricant | | MEL32 | | MEL32 | |
| External finish | | | Pre-coated galvanized steel sheets (+powder coating for -BS type) <MUNSELL 5Y 8/1 or similar> | | Pre-coated galvanized steel sheets (+powder coating for -BS type) <MUNSELL 5Y 8/1 or similar> | |
| External dimension H x W x D | | | mm 1,710 (1,650 without legs) x 1,220 x 740 67-3/8 (65 without legs) x 48-1/16 x 29-3/16 | | mm 1,710 (1,650 without legs) x 1,220 x 740 67-3/8 (65 without legs) x 48-1/16 x 29-3/16 | |
| Protection devices | High pressure protection | | High pressure sensor, High pressure switch at 4.15 MPa (601 psi) | | High pressure sensor, High pressure switch at 4.15 MPa (601 psi) | |
| | Inverter circuit (COMP./FAN) | | Over-heat protection, Over-current protection | | Over-heat protection, Over-current protection | |
| | Compressor | | - | | - | |
| | Fan motor | | - | | - | |
| Refrigerant | Type x original charge | | R410A x 11.5 kg (26 lbs) | | R410A x 11.5 kg (26 lbs) | |
| | Control | | LEV and HIC circuit | | | |
| Net weight | | kg (lbs) | 251 (554) | | 251 (554) | |
| Heat exchanger | | | Salt-resistant cross fin & copper tube | | Salt-resistant cross fin & copper tube | |
| HIC circuit (HIC: Heat Inter-Changer) | | | Copper pipe, tube-in-tube structure | | Copper pipe, tube-in-tube structure | |
| Pipe between unit and distributor | Liquid pipe | mm (in.) | 12.7 (1/2) Brazed | | 15.88 (5/8) Brazed | |
| | Gas pipe | mm (in.) | 22.2 (7/8) Brazed | | 28.58 (1-1/8) Brazed | |
| Defrosting method | | | Auto-defrost mode (Reversed refrigerant cycle, Hot gas) | | | |
| Drawing | External | | KJ94T005 | | | |
| | Wiring | | KE94G038 | | KE94G038 | |
| Standard attachment | Document | | Installation Manual | | | |
| | Accessory | | Refrigerant conn. pipe | | | |
| Optional parts | | | Outdoor Twinning kit: CMY-Y300VBK3 Joint: CMY-Y102SS/LS-G2, CMY-Y202/302S-G2 Header: CMY-Y104/108/1010-G | | | |
| Remarks | | | Details on foundation work, duct work, insulation work, electrical wiring, power source switch, and other items shall be referred to the Installation Manual. Due to continuing improvement, above specifications may be subject to change without notice. | | | |

Notes:

- Nominal cooling conditions (subject to JIS B8615-2)
Indoor: 27°C D.B./19°C W.B. (81°F D.B./66°F W.B.), Outdoor: 35°C D.B./24°C W.B. (95°F D.B./75°F W.B.)
Pipe length: 7.5 m (24-9/16 ft.), Level difference: 0 m (0 ft.)
- Nominal heating conditions (subject to JIS B8615-2)
Indoor: 20°C D.B. (68°F D.B.), Outdoor: 7°C D.B./6°C W.B. (45°F D.B./43°F W.B.)
Pipe length: 7.5 m (24-9/16 ft.), Level difference: 0 m (0 ft.)
- External static pressure option is available (30Pa, 60Pa/3.1mmH₂O, 6.1mmH₂O).

Unit converter

BTU/h =kW x 3,412
cfm =m³/min x 35.31
lbs =kg/0.4536

*Above specification data is subject to rounding variation.

1. SPECIFICATIONS

YKB/YLM

| Model | | PUHY-P1050YSKB-A1 (-BS) | |
|--|-----------------|---------------------------------------|------------------------|
| Power source | | 3-phase 4-wire 380-400-415 V 50/60 Hz | |
| Cooling capacity (Nominal) | *1 kW | 118.0 | |
| | kcal/h | 101,500 | |
| | *1 BTU/h | 402,600 | |
| | Power input kW | 35.01 | |
| | Current input A | 59.1-56.1-54.1 | |
| Temp. range of cooling | EER | 3.37 | |
| | Indoor | W.B. | 15.0~24.0°C (59~75°F) |
| | Outdoor | D.B. | -5.0~52.0°C (23~126°F) |
| Heating capacity (Nominal) | *2 kW | 132.0 | |
| | kcal/h | 113,500 | |
| | *2 BTU/h | 450,400 | |
| | Power input kW | 34.25 | |
| | Current input A | 57.8-54.9-52.9 | |
| Temp. range of heating | COP | 3.85 | |
| | Indoor | D.B. | 15.0~27.0°C (59~81°F) |
| | Outdoor | W.B. | -20.0~15.5°C (-4~60°F) |
| Indoor unit connectable | Total capacity | 50~130% of outdoor unit capacity | |
| | Model/Quantity | P15~P250/2~50 | |
| Sound pressure level (measured in anechoic room) | dB <A> | 66.5 | |
| Sound power level (measured in anechoic room) | dB <A> | 88 | |
| Refrigerant piping diameter | Liquid pipe | mm (in.) | 19.05 (3/4) Brazed |
| | Gas pipe | mm (in.) | 41.28 (1-5/8) Brazed |

Set Model

| Model | | PUHY-P300YKB-A1 (-BS) | | PUHY-P350YKB-A1 (-BS) | | PUHY-P400YKB-A1 (-BS) | | |
|---------------------------------------|------------------------------|---|--|---|--|---|--|--|
| FAN | Type x Quantity | | Propeller fan x 1 | | Propeller fan x 1 | | Propeller fan x 1 | |
| | Air flow rate | m ³ /min | 210 | | 210 | | 210 | |
| | | L/s | 3,500 | | 3,500 | | 3,500 | |
| | | cfm | 7,415 | | 7,415 | | 7,415 | |
| | Control, Driving mechanism | | Inverter-control, Direct-driven by motor | | Inverter-control, Direct-driven by motor | | Inverter-control, Direct-driven by motor | |
| | Motor output | kW | 0.92 x 1 | | 0.92 x 1 | | 0.92 x 1 | |
| *3 External static press. | | 0 Pa (0 mmH ₂ O) | | 0 Pa (0 mmH ₂ O) | | 0 Pa (0 mmH ₂ O) | | |
| Compressor | Type x Quantity | | Inverter scroll hermetic compressor | | Inverter scroll hermetic compressor | | Inverter scroll hermetic compressor | |
| | Manufacture | | AC&R Works, MITSUBISHI ELECTRIC CORPORATION | | AC&R Works, MITSUBISHI ELECTRIC CORPORATION | | AC&R Works, MITSUBISHI ELECTRIC CORPORATION | |
| | Starting method | | Inverter | | Inverter | | Inverter | |
| | Motor output | kW | 8.1 | | 10.5 | | 10.8 | |
| | Case heater | kW | - | | - | | - | |
| | Lubricant | | MEL32 | | MEL32 | | MEL32 | |
| External finish | | Pre-coated galvanized steel sheets (+powder coating for -BS type) <MUNSELL 5Y 8/1 or similar> | | Pre-coated galvanized steel sheets (+powder coating for -BS type) <MUNSELL 5Y 8/1 or similar> | | Pre-coated galvanized steel sheets (+powder coating for -BS type) <MUNSELL 5Y 8/1 or similar> | | |
| External dimension H x W x D | | mm | 1,710 (1,650 without legs) x 1,220 x 740 | | 1,710 (1,650 without legs) x 1,220 x 740 | | 1,710 (1,650 without legs) x 1,220 x 740 | |
| | | in. | 67-3/8 (65 without legs) x 48-1/16 x 29-3/16 | | 67-3/8 (65 without legs) x 48-1/16 x 29-3/16 | | 67-3/8 (65 without legs) x 48-1/16 x 29-3/16 | |
| Protection devices | High pressure protection | | High pressure sensor, High pressure switch at 4.15 MPa (601 psi) | | High pressure sensor, High pressure switch at 4.15 MPa (601 psi) | | High pressure sensor, High pressure switch at 4.15 MPa (601 psi) | |
| | Inverter circuit (COMP./FAN) | | Over-heat protection, Over-current protection | | Over-heat protection, Over-current protection | | Over-heat protection, Over-current protection | |
| | Compressor | | - | | - | | - | |
| | Fan motor | | - | | - | | - | |
| Refrigerant | Type x original charge | | R410A x 11.5 kg (26 lbs) | | R410A x 11.5 kg (26 lbs) | | R410A x 11.5 kg (26 lbs) | |
| | Control | | LEV and HIC circuit | | LEV and HIC circuit | | LEV and HIC circuit | |
| Net weight | | kg (lbs) | 251 (554) | | 251 (554) | | 251 (554) | |
| Heat exchanger | | Salt-resistant cross fin & copper tube | | Salt-resistant cross fin & copper tube | | Salt-resistant cross fin & copper tube | | |
| HIC circuit (HIC: Heat Inter-Changer) | | Copper pipe, tube-in-tube structure | | Copper pipe, tube-in-tube structure | | Copper pipe, tube-in-tube structure | | |
| Pipe between unit and distributor | Liquid pipe | mm (in.) | 12.7 (1/2) Brazed | | 12.7 (1/2) Brazed | | 15.88 (5/8) Brazed | |
| | Gas pipe | mm (in.) | 22.2 (7/8) Brazed | | 28.58 (1-1/8) Brazed | | 28.58 (1-1/8) Brazed | |
| Defrosting method | | Auto-defrost mode (Reversed refrigerant cycle, Hot gas) | | Auto-defrost mode (Reversed refrigerant cycle, Hot gas) | | Auto-defrost mode (Reversed refrigerant cycle, Hot gas) | | |
| Drawing | External | | KJ94T005 | | KJ94T005 | | KJ94T005 | |
| | Wiring | | KE94G038 | | KE94G038 | | KE94G038 | |
| Standard attachment | Document | | Installation Manual | | Installation Manual | | Installation Manual | |
| | Accessory | | Refrigerant conn. pipe | | Refrigerant conn. pipe | | Refrigerant conn. pipe | |
| Optional parts | | Outdoor Twinning kit: CMY-Y300VBK3 Joint: CMY-Y102SS/LS-G2, CMY-Y202/302S-G2 Header: CMY-Y104/108/1010-G | | Outdoor Twinning kit: CMY-Y300VBK3 Joint: CMY-Y102SS/LS-G2, CMY-Y202/302S-G2 Header: CMY-Y104/108/1010-G | | Outdoor Twinning kit: CMY-Y300VBK3 Joint: CMY-Y102SS/LS-G2, CMY-Y202/302S-G2 Header: CMY-Y104/108/1010-G | | |
| Remarks | | Details on foundation work, duct work, insulation work, electrical wiring, power source switch, and other items shall be referred to the Installation Manual. Due to continuing improvement, above specifications may be subject to change without notice. | | Details on foundation work, duct work, insulation work, electrical wiring, power source switch, and other items shall be referred to the Installation Manual. Due to continuing improvement, above specifications may be subject to change without notice. | | Details on foundation work, duct work, insulation work, electrical wiring, power source switch, and other items shall be referred to the Installation Manual. Due to continuing improvement, above specifications may be subject to change without notice. | | |

Notes:

- Nominal cooling conditions (subject to JIS B8615-2)
Indoor: 27°C D.B./19°C W.B. (81°F D.B./66°F W.B.), Outdoor: 35°C D.B./24°C W.B. (95°F D.B./75°F W.B.)
Pipe length: 7.5 m (24-9/16 ft.), Level difference: 0 m (0 ft.)
- Nominal heating conditions (subject to JIS B8615-2)
Indoor: 20°C D.B. (68°F D.B.), Outdoor: 7°C D.B./6°C W.B. (45°F D.B./43°F W.B.)
Pipe length: 7.5 m (24-9/16 ft.), Level difference: 0 m (0 ft.)
- External static pressure option is available (30Pa, 60Pa/3.1mmH₂O, 6.1mmH₂O).

| Unit converter | |
|---|------------------------------|
| BTU/h | =kW x 3,412 |
| cfm | =m ³ /min x 35.31 |
| lbs | =kg/0.4536 |
| *Above specification data is subject to rounding variation. | |

1. SPECIFICATIONS

YKB/YLM

| Model | | | PUHY-P1100YSKB-A1 (-BS) | |
|--|----------------|---------------|---------------------------------------|----------------|
| Power source | | | 3-phase 4-wire 380-400-415 V 50/60 Hz | |
| Cooling capacity (Nominal) | *1 | kW | 124.0 | |
| | | kcal/h | 106,600 | |
| | | BTU/h | 423,100 | |
| | Power input | kW | 38.62 | |
| | | Current input | A | 65.1-61.9-59.6 |
| EER | kW/kW | 3.21 | | |
| Temp. range of cooling | Indoor | W.B. | 15.0~24.0°C (59~75°F) | |
| | Outdoor | D.B. | -5.0~52.0°C (23~126°F) | |
| Heating capacity (Nominal) | *2 | kW | 140.0 | |
| | | kcal/h | 120,400 | |
| | | BTU/h | 477,700 | |
| | Power input | kW | 36.60 | |
| | | Current input | A | 61.7-58.6-56.5 |
| COP | kW/kW | 3.82 | | |
| Temp. range of heating | Indoor | D.B. | 15.0~27.0°C (59~81°F) | |
| | Outdoor | W.B. | -20.0~15.5°C (-4~60°F) | |
| Indoor unit connectable | Total capacity | | 50~130% of outdoor unit capacity | |
| | Model/Quantity | | P15~P250/2~50 | |
| Sound pressure level (measured in anechoic room) | dB <A> | | 66.5 | |
| Sound power level (measured in anechoic room) | dB <A> | | 88 | |
| Refrigerant piping diameter | Liquid pipe | mm (in.) | 19.05 (3/4) Brazed | |
| | Gas pipe | mm (in.) | 41.28 (1-5/8) Brazed | |

Set Model

| Model | | | PUHY-P350YKB-A1 (-BS) | | PUHY-P350YKB-A1 (-BS) | | PUHY-P400YKB-A1 (-BS) | |
|---------------------------------------|------------------------------|-----------------------------|---|-----------------------------|---|-----------------------------|---|--|
| FAN | Type x Quantity | | Propeller fan x 1 | | Propeller fan x 1 | | Propeller fan x 1 | |
| | Air flow rate | m ³ /min | 210 | | 210 | | 210 | |
| | | L/s | 3,500 | | 3,500 | | 3,500 | |
| | | cfm | 7,415 | | 7,415 | | 7,415 | |
| | Control, Driving mechanism | | Inverter-control, Direct-driven by motor | | Inverter-control, Direct-driven by motor | | Inverter-control, Direct-driven by motor | |
| | Motor output | kW | 0.92 x 1 | | 0.92 x 1 | | 0.92 x 1 | |
| *3 External static press. | | 0 Pa (0 mmH ₂ O) | | 0 Pa (0 mmH ₂ O) | | 0 Pa (0 mmH ₂ O) | | |
| Compressor | Type x Quantity | | Inverter scroll hermetic compressor | | Inverter scroll hermetic compressor | | Inverter scroll hermetic compressor | |
| | Manufacture | | AC&R Works, MITSUBISHI ELECTRIC CORPORATION | | AC&R Works, MITSUBISHI ELECTRIC CORPORATION | | AC&R Works, MITSUBISHI ELECTRIC CORPORATION | |
| | Starting method | | Inverter | | Inverter | | Inverter | |
| | Motor output | kW | 10.5 | | 10.5 | | 10.8 | |
| | Case heater | kW | - | | - | | - | |
| | Lubricant | | MEL32 | | MEL32 | | MEL32 | |
| External finish | | | Pre-coated galvanized steel sheets (+powder coating for -BS type) <MUNSELL 5Y 8/1 or similar> | | Pre-coated galvanized steel sheets (+powder coating for -BS type) <MUNSELL 5Y 8/1 or similar> | | Pre-coated galvanized steel sheets (+powder coating for -BS type) <MUNSELL 5Y 8/1 or similar> | |
| External dimension H x W x D | | | mm 1,710 (1,650 without legs) x 1,220 x 740 in. 67-3/8 (65 without legs) x 48-1/16 x 29-3/16 | | mm 1,710 (1,650 without legs) x 1,220 x 740 in. 67-3/8 (65 without legs) x 48-1/16 x 29-3/16 | | mm 1,710 (1,650 without legs) x 1,220 x 740 in. 67-3/8 (65 without legs) x 48-1/16 x 29-3/16 | |
| Protection devices | High pressure protection | | High pressure sensor, High pressure switch at 4.15 MPa (601 psi) | | High pressure sensor, High pressure switch at 4.15 MPa (601 psi) | | High pressure sensor, High pressure switch at 4.15 MPa (601 psi) | |
| | Inverter circuit (COMP./FAN) | | Over-heat protection, Over-current protection | | Over-heat protection, Over-current protection | | Over-heat protection, Over-current protection | |
| | Compressor | | - | | - | | - | |
| | Fan motor | | - | | - | | - | |
| Refrigerant | Type x original charge | | R410A x 11.5 kg (26 lbs) | | R410A x 11.5 kg (26 lbs) | | R410A x 11.5 kg (26 lbs) | |
| | Control | | LEV and HIC circuit | | LEV and HIC circuit | | LEV and HIC circuit | |
| Net weight | | | kg (lbs) 251 (554) | | kg (lbs) 251 (554) | | kg (lbs) 251 (554) | |
| Heat exchanger | | | Salt-resistant cross fin & copper tube | | Salt-resistant cross fin & copper tube | | Salt-resistant cross fin & copper tube | |
| HIC circuit (HIC: Heat Inter-Changer) | | | Copper pipe, tube-in-tube structure | | Copper pipe, tube-in-tube structure | | Copper pipe, tube-in-tube structure | |
| Pipe between unit and distributor | Liquid pipe | mm (in.) | 12.7 (1/2) Brazed | | 12.7 (1/2) Brazed | | 15.88 (5/8) Brazed | |
| | Gas pipe | mm (in.) | 28.58 (1-1/8) Brazed | | 28.58 (1-1/8) Brazed | | 28.58 (1-1/8) Brazed | |
| Defrosting method | | | Auto-defrost mode (Reversed refrigerant cycle, Hot gas) | | Auto-defrost mode (Reversed refrigerant cycle, Hot gas) | | Auto-defrost mode (Reversed refrigerant cycle, Hot gas) | |
| Drawing | External | | KJ94T005 | | KJ94T005 | | KJ94T005 | |
| | Wiring | | KE94G038 | | KE94G038 | | KE94G038 | |
| Standard attachment | Document | | Installation Manual | | Installation Manual | | Installation Manual | |
| | Accessory | | Refrigerant conn. pipe | | Refrigerant conn. pipe | | Refrigerant conn. pipe | |
| Optional parts | | | Outdoor Twinning kit: CMY-Y300VBK3 Joint: CMY-Y102SS/LS-G2, CMY-Y202/302S-G2 Header: CMY-Y104/108/1010-G | | Outdoor Twinning kit: CMY-Y300VBK3 Joint: CMY-Y102SS/LS-G2, CMY-Y202/302S-G2 Header: CMY-Y104/108/1010-G | | Outdoor Twinning kit: CMY-Y300VBK3 Joint: CMY-Y102SS/LS-G2, CMY-Y202/302S-G2 Header: CMY-Y104/108/1010-G | |
| Remarks | | | Details on foundation work, duct work, insulation work, electrical wiring, power source switch, and other items shall be referred to the Installation Manual. Due to continuing improvement, above specifications may be subject to change without notice. | | Details on foundation work, duct work, insulation work, electrical wiring, power source switch, and other items shall be referred to the Installation Manual. Due to continuing improvement, above specifications may be subject to change without notice. | | Details on foundation work, duct work, insulation work, electrical wiring, power source switch, and other items shall be referred to the Installation Manual. Due to continuing improvement, above specifications may be subject to change without notice. | |

Notes:

- Nominal cooling conditions (subject to JIS B8615-2)
Indoor: 27°CDB./19°CWB. (81°FDB./66°FWB.), Outdoor: 35°CDB./24°CWB. (95°FDB./75°FWB.)
Pipe length: 7.5 m (24-9/16 ft.), Level difference: 0 m (0 ft.)
- Nominal heating conditions (subject to JIS B8615-2)
Indoor: 20°CDB. (68°FDB.), Outdoor: 7°CDB./6°CWB. (45°FDB./43°FWB.)
Pipe length: 7.5 m (24-9/16 ft.), Level difference: 0 m (0 ft.)
- External static pressure option is available (30Pa, 60Pa/3.1mmH₂O, 6.1mmH₂O).

Unit converter

BTU/h =kW x 3,412
cfm =m³/min x 35.31
lbs =kg/0.4536

*Above specification data is subject to rounding variation.

1. SPECIFICATIONS

YKB/YLM

| Model | | PUHY-P1150YSKB-A1 (-BS) | |
|--|----------------------|---------------------------------------|--|
| Power source | | 3-phase 4-wire 380-400-415 V 50/60 Hz | |
| Cooling capacity (Nominal) | *1 kW | 130.0 | |
| | kcal/h | 111,800 | |
| | *1 BTU/h | 443,600 | |
| | Power input kW | 40.24 | |
| | Current input A | 67.9-64.5-62.2 | |
| Temp. range of cooling | EER kW/kW | 3.23 | |
| | Indoor W.B. | 15.0~24.0°C (59~75°F) | |
| | Outdoor D.B. | -5.0~52.0°C (23~126°F) | |
| Heating capacity (Nominal) | *2 kW | 145.0 | |
| | kcal/h | 124,700 | |
| | *2 BTU/h | 494,700 | |
| | Power input kW | 39.29 | |
| | Current input A | 66.3-63.0-60.7 | |
| Temp. range of heating | COP kW/kW | 3.69 | |
| | Indoor D.B. | 15.0~27.0°C (59~81°F) | |
| | Outdoor W.B. | -20.0~15.5°C (-4~60°F) | |
| Indoor unit connectable | Total capacity | 50~130% of outdoor unit capacity | |
| | Model/Quantity | P15~P250/2~50 | |
| Sound pressure level (measured in anechoic room) | dB <A> | 68.5 | |
| Sound power level (measured in anechoic room) | dB <A> | 88.5 | |
| Refrigerant piping diameter | Liquid pipe mm (in.) | 19.05 (3/4) Brazed | |
| | Gas pipe mm (in.) | 41.28 (1-5/8) Brazed | |

| Set Model | | PUHY-P350YKB-A1 (-BS) | | PUHY-P350YKB-A1 (-BS) | | PUHY-P450YKB-A1 (-BS) | | |
|---------------------------------------|---|--|---|--|---|--|--------|--|
| FAN | Type x Quantity | Propeller fan x 1 | | Propeller fan x 1 | | Propeller fan x 2 | | |
| | Air flow rate | m ³ /min | 210 | | 210 | | 360 | |
| | | L/s | 3,500 | | 3,500 | | 6,000 | |
| | | cfm | 7,415 | | 7,415 | | 12,712 | |
| | Control, Driving mechanism | Inverter-control, Direct-driven by motor | | Inverter-control, Direct-driven by motor | | Inverter-control, Direct-driven by motor | | |
| | Motor output kW | 0.92 x 1 | | 0.92 x 1 | | 0.92 x 2 | | |
| *3 External static press. | 0 Pa (0 mmH ₂ O) | | 0 Pa (0 mmH ₂ O) | | 0 Pa (0 mmH ₂ O) | | | |
| Compressor | Type x Quantity | Inverter scroll hermetic compressor | | Inverter scroll hermetic compressor | | Inverter scroll hermetic compressor | | |
| | Manufacture | AC&R Works, MITSUBISHI ELECTRIC CORPORATION | | AC&R Works, MITSUBISHI ELECTRIC CORPORATION | | AC&R Works, MITSUBISHI ELECTRIC CORPORATION | | |
| | Starting method | Inverter | | Inverter | | Inverter | | |
| | Motor output kW | 10.5 | | 10.5 | | 12.4 | | |
| | Case heater kW | - | | - | | 0.045 | | |
| | Lubricant | MEL32 | | MEL32 | | MEL32 | | |
| External finish | Pre-coated galvanized steel sheets (+powder coating for -BS type) <MUNSELL 5Y 8/1 or similar> | | Pre-coated galvanized steel sheets (+powder coating for -BS type) <MUNSELL 5Y 8/1 or similar> | | Pre-coated galvanized steel sheets (+powder coating for -BS type) <MUNSELL 5Y 8/1 or similar> | | | |
| External dimension H x W x D | mm | 1,710 (1,650 without legs) x 1,220 x 740 | | 1,710 (1,650 without legs) x 1,220 x 740 | | 1,710 (1,650 without legs) x 1,750 x 740 | | |
| | in. | 67-3/8 (65 without legs) x 48-1/16 x 29-3/16 | | 67-3/8 (65 without legs) x 48-1/16 x 29-3/16 | | 67-3/8 (65 without legs) x 68-15/16 x 29-3/16 | | |
| Protection devices | High pressure protection | High pressure sensor, High pressure switch at 4.15 MPa (601 psi) | | High pressure sensor, High pressure switch at 4.15 MPa (601 psi) | | High pressure sensor, High pressure switch at 4.15 MPa (601 psi) | | |
| | Inverter circuit (COMP./FAN) | Over-heat protection, Over-current protection | | Over-heat protection, Over-current protection | | Over-heat protection, Over-current protection | | |
| | Compressor | - | | - | | - | | |
| | Fan motor | - | | - | | - | | |
| Refrigerant | Type x original charge | R410A x 11.5 kg (26 lbs) | | R410A x 11.5 kg (26 lbs) | | R410A x 11.8 kg (27 lbs) | | |
| | Control | LEV and HIC circuit | | LEV and HIC circuit | | LEV and HIC circuit | | |
| Net weight | kg (lbs) | 251 (554) | | 251 (554) | | 304 (671) | | |
| Heat exchanger | Salt-resistant cross fin & copper tube | | Salt-resistant cross fin & copper tube | | Salt-resistant cross fin & copper tube | | | |
| HIC circuit (HIC: Heat Inter-Changer) | Copper pipe, tube-in-tube structure | | Copper pipe, tube-in-tube structure | | Copper pipe, tube-in-tube structure | | | |
| Pipe between unit and distributor | Liquid pipe mm (in.) | 12.7 (1/2) Brazed | | 12.7 (1/2) Brazed | | 15.88 (5/8) Brazed | | |
| | Gas pipe mm (in.) | 28.58 (1-1/8) Brazed | | 28.58 (1-1/8) Brazed | | 28.58 (1-1/8) Brazed | | |
| Defrosting method | Auto-defrost mode (Reversed refrigerant cycle, Hot gas) | | Auto-defrost mode (Reversed refrigerant cycle, Hot gas) | | Auto-defrost mode (Reversed refrigerant cycle, Hot gas) | | | |
| Drawing | External | KJ94T006 | | KJ94T006 | | KJ94T006 | | |
| | Wiring | KE94G038 | | KE94G038 | | KE94C967 | | |
| Standard attachment | Document | Installation Manual | | Installation Manual | | Installation Manual | | |
| | Accessory | Refrigerant conn. pipe | | Refrigerant conn. pipe | | Refrigerant conn. pipe | | |
| Optional parts | Outdoor Twinning kit: CMY-Y300VBK3 Joint: CMY-Y102SS/LS-G2, CMY-Y202/302S-G2 Header: CMY-Y104/108/1010-G | | Outdoor Twinning kit: CMY-Y300VBK3 Joint: CMY-Y102SS/LS-G2, CMY-Y202/302S-G2 Header: CMY-Y104/108/1010-G | | Outdoor Twinning kit: CMY-Y300VBK3 Joint: CMY-Y102SS/LS-G2, CMY-Y202/302S-G2 Header: CMY-Y104/108/1010-G | | | |
| Remarks | Details on foundation work, duct work, insulation work, electrical wiring, power source switch, and other items shall be referred to the Installation Manual. Due to continuing improvement, above specifications may be subject to change without notice. | | Details on foundation work, duct work, insulation work, electrical wiring, power source switch, and other items shall be referred to the Installation Manual. Due to continuing improvement, above specifications may be subject to change without notice. | | Details on foundation work, duct work, insulation work, electrical wiring, power source switch, and other items shall be referred to the Installation Manual. Due to continuing improvement, above specifications may be subject to change without notice. | | | |

| Notes: | Unit converter |
|---|---|
| 1.Nominal cooling conditions (subject to JIS B8615-2) Indoor: 27°C D.B./19°C W.B. (81°F D.B./66°F W.B.), Outdoor: 35°C D.B./24°C W.B. (95°F D.B./75°F W.B.) Pipe length: 7.5 m (24-9/16 ft.), Level difference: 0 m (0 ft.) | BTU/h =kW x 3,412 |
| 2.Nominal heating conditions (subject to JIS B8615-2) Indoor: 20°C D.B. (68°F D.B.), Outdoor: 7°C D.B./6°C W.B. (45°F D.B./43°F W.B.) Pipe length: 7.5 m (24-9/16 ft.), Level difference: 0 m (0 ft.) | cfm =m ³ /min x 35.31 |
| 3.External static pressure option is available (30Pa, 60Pa/3.1mmH ₂ O, 6.1mmH ₂ O). | lbs =kg/0.4536 |
| | *Above specification data is subject to rounding variation. |

1. SPECIFICATIONS

YKB/YLM

| | | | | | |
|--|----------------|---------------|---------------------------------------|----------------|--|
| Model | | | PUHY-P1200YSKB-A1 (-BS) | | |
| Power source | | | 3-phase 4-wire 380-400-415 V 50/60 Hz | | |
| Cooling capacity (Nominal) | *1 | kW | 136.0 | | |
| | | kcal/h | 117,000 | | |
| | | BTU/h | 464,000 | | |
| | Power input | kW | 44.10 | | |
| | | Current input | A | 74.4-70.7-68.1 | |
| EER | kW/kW | 3.08 | | | |
| Temp. range of cooling | Indoor | W.B. | 15.0~24.0°C (59~75°F) | | |
| | Outdoor | D.B. | -5.0~52.0°C (23~126°F) | | |
| Heating capacity (Nominal) | *2 | kW | 150.0 | | |
| | | kcal/h | 129,000 | | |
| | | BTU/h | 511,800 | | |
| | Power input | kW | 40.76 | | |
| | | Current input | A | 68.8-65.3-63.0 | |
| COP | kW/kW | 3.68 | | | |
| Temp. range of heating | Indoor | D.B. | 15.0~27.0°C (59~81°F) | | |
| | Outdoor | W.B. | -20.0~15.5°C (-4~60°F) | | |
| Indoor unit connectable | Total capacity | | 50~130% of outdoor unit capacity | | |
| | Model/Quantity | | P15~P250/2~50 | | |
| Sound pressure level (measured in anechoic room) | dB <A> | | 69 | | |
| Sound power level (measured in anechoic room) | dB <A> | | 88.5 | | |
| Refrigerant piping diameter | Liquid pipe | mm (in.) | 19.05 (3/4) Brazed | | |
| | Gas pipe | mm (in.) | 41.28 (1-5/8) Brazed | | |

Set Model

| Model | | | PUHY-P350YKB-A1 (-BS) | PUHY-P400YKB-A1 (-BS) | PUHY-P450YKB-A1 (-BS) |
|---------------------------------------|------------------------------|-----------------------------|---|--|--|
| FAN | Type x Quantity | | Propeller fan x 1 | Propeller fan x 1 | Propeller fan x 2 |
| | Air flow rate | m ³ /min | 210 | 210 | 360 |
| | | L/s | 3,500 | 3,500 | 6,000 |
| | | cfm | 7,415 | 7,415 | 12,712 |
| | Control, Driving mechanism | | Inverter-control, Direct-driven by motor | Inverter-control, Direct-driven by motor | Inverter-control, Direct-driven by motor |
| | Motor output | kW | 0.92 x 1 | 0.92 x 1 | 0.92 x 2 |
| *3 External static press. | | 0 Pa (0 mmH ₂ O) | 0 Pa (0 mmH ₂ O) | 0 Pa (0 mmH ₂ O) | |
| Compressor | Type x Quantity | | Inverter scroll hermetic compressor | Inverter scroll hermetic compressor | Inverter scroll hermetic compressor |
| | Manufacture | | AC&R Works, MITSUBISHI ELECTRIC CORPORATION | AC&R Works, MITSUBISHI ELECTRIC CORPORATION | AC&R Works, MITSUBISHI ELECTRIC CORPORATION |
| | Starting method | | Inverter | Inverter | Inverter |
| | Motor output | kW | 10.5 | 10.8 | 12.4 |
| | Case heater | kW | - | - | 0.045 |
| | Lubricant | | MEL32 | MEL32 | MEL32 |
| External finish | | | Pre-coated galvanized steel sheets (+powder coating for -BS type) <MUNSELL 5Y 8/1 or similar> | Pre-coated galvanized steel sheets (+powder coating for -BS type) <MUNSELL 5Y 8/1 or similar> | Pre-coated galvanized steel sheets (+powder coating for -BS type) <MUNSELL 5Y 8/1 or similar> |
| External dimension H x W x D | | mm | 1,710 (1,650 without legs) x 1,220 x 740 | 1,710 (1,650 without legs) x 1,220 x 740 | 1,710 (1,650 without legs) x 1,750 x 740 |
| | | in. | 67-3/8 (65 without legs) x 48-1/16 x 29-3/16 | 67-3/8 (65 without legs) x 48-1/16 x 29-3/16 | 67-3/8 (65 without legs) x 68-15/16 x 29-3/16 |
| Protection devices | High pressure protection | | High pressure sensor, High pressure switch at 4.15 MPa (601 psi) | High pressure sensor, High pressure switch at 4.15 MPa (601 psi) | High pressure sensor, High pressure switch at 4.15 MPa (601 psi) |
| | Inverter circuit (COMP./FAN) | | Over-heat protection, Over-current protection | Over-heat protection, Over-current protection | Over-heat protection, Over-current protection |
| | Compressor | | - | - | - |
| | Fan motor | | - | - | - |
| Refrigerant | Type x original charge | | R410A x 11.5 kg (26 lbs) | R410A x 11.5 kg (26 lbs) | R410A x 11.8 kg (27 lbs) |
| | Control | | LEV and HIC circuit | | |
| Net weight | | kg (lbs) | 251 (554) | 251 (554) | 304 (671) |
| Heat exchanger | | | Salt-resistant cross fin & copper tube | Salt-resistant cross fin & copper tube | Salt-resistant cross fin & copper tube |
| HIC circuit (HIC: Heat Inter-Changer) | | | Copper pipe, tube-in-tube structure | Copper pipe, tube-in-tube structure | Copper pipe, tube-in-tube structure |
| Pipe between unit and distributor | Liquid pipe | mm (in.) | 12.7 (1/2) Brazed | 15.88 (5/8) Brazed | 15.88 (5/8) Brazed |
| | Gas pipe | mm (in.) | 28.58 (1-1/8) Brazed | 28.58 (1-1/8) Brazed | 28.58 (1-1/8) Brazed |
| Defrosting method | | | Auto-defrost mode (Reversed refrigerant cycle, Hot gas) | | |
| Drawing | External | | KJ94T006 | | |
| | Wiring | | KE94G038 | KE94G038 | KE94C967 |
| Standard attachment | Document | | Installation Manual | | |
| | Accessory | | Refrigerant conn. pipe | | |
| Optional parts | | | Outdoor Twinning kit: CMY-Y300VBK3 Joint: CMY-Y102SS/LS-G2, CMY-Y202/302S-G2 Header: CMY-Y104/108/1010-G | | |
| Remarks | | | Details on foundation work, duct work, insulation work, electrical wiring, power source switch, and other items shall be referred to the Installation Manual. Due to continuing improvement, above specifications may be subject to change without notice. | | |

Notes:

- Nominal cooling conditions (subject to JIS B8615-2)
Indoor: 27°C D.B./19°C W.B. (81°F D.B./66°F W.B.), Outdoor: 35°C D.B./24°C W.B. (95°F D.B./75°F W.B.)
Pipe length: 7.5 m (24-9/16 ft.), Level difference: 0 m (0 ft.)
- Nominal heating conditions (subject to JIS B8615-2)
Indoor: 20°C D.B. (68°F D.B.), Outdoor: 7°C D.B./6°C W.B. (45°F D.B./43°F W.B.)
Pipe length: 7.5 m (24-9/16 ft.), Level difference: 0 m (0 ft.)
- External static pressure option is available (30Pa, 60Pa/3.1mmH₂O, 6.1mmH₂O).

Unit converter

BTU/h =kW x 3,412
cfm =m³/min x 35.31
lbs =kg/0.4536

*Above specification data is subject to rounding variation.

1. SPECIFICATIONS

YKB/YLM

| Model | | PUHY-P1250YSKB-A1 (-BS) | |
|--|-----------------|---------------------------------------|------------------------|
| Power source | | 3-phase 4-wire 380-400-415 V 50/60 Hz | |
| Cooling capacity (Nominal) | *1 kW | 140.0 | |
| | kcal/h | 120,400 | |
| | *1 BTU/h | 477,700 | |
| | Power input kW | 43.80 | |
| | Current input A | 73.9-70.2-67.7 | |
| Temp. range of cooling | EER | 3.19 | |
| | Indoor | W.B. | 15.0~24.0°C (59~75°F) |
| | Outdoor | D.B. | -5.0~52.0°C (23~126°F) |
| Heating capacity (Nominal) | *2 kW | 156.5 | |
| | kcal/h | 134,600 | |
| | *2 BTU/h | 534,000 | |
| | Power input kW | 44.08 | |
| | Current input A | 74.4-70.6-68.1 | |
| Temp. range of heating | COP | 3.55 | |
| | Indoor | D.B. | 15.0~27.0°C (59~81°F) |
| | Outdoor | W.B. | -20.0~15.5°C (-4~60°F) |
| Indoor unit connectable | Total capacity | 50~130% of outdoor unit capacity | |
| | Model/Quantity | P15~P250/2~50 | |
| Sound pressure level (measured in anechoic room) | dB <A> | 70 | |
| Sound power level (measured in anechoic room) | dB <A> | 89.5 | |
| Refrigerant piping diameter | Liquid pipe | mm (in.) | 19.05 (3/4) Brazed |
| | Gas pipe | mm (in.) | 41.28 (1-5/8) Brazed |

| Set Model | | PUHY-P350YKB-A1 (-BS) | | PUHY-P450YKB-A1 (-BS) | | PUHY-P450YKB-A1 (-BS) | | |
|---------------------------------------|--|--|---|--|--|--|----------------------|--|
| FAN | Type x Quantity | Propeller fan x 1 | | Propeller fan x 2 | | Propeller fan x 2 | | |
| | Air flow rate | m ³ /min | 210 | | 360 | | 360 | |
| | | L/s | 3,500 | | 6,000 | | 6,000 | |
| | | cfm | 7,415 | | 12,712 | | 12,712 | |
| | Control, Driving mechanism | Inverter-control, Direct-driven by motor | | Inverter-control, Direct-driven by motor | | Inverter-control, Direct-driven by motor | | |
| | Motor output | kW | 0.92 x 1 | | 0.92 x 2 | | 0.92 x 2 | |
| *3 External static press. | 0 Pa (0 mmH ₂ O) | | 0 Pa (0 mmH ₂ O) | | 0 Pa (0 mmH ₂ O) | | | |
| Compressor | Type x Quantity | Inverter scroll hermetic compressor | | Inverter scroll hermetic compressor | | Inverter scroll hermetic compressor | | |
| | Manufacture | AC&R Works, MITSUBISHI ELECTRIC CORPORATION | | AC&R Works, MITSUBISHI ELECTRIC CORPORATION | | AC&R Works, MITSUBISHI ELECTRIC CORPORATION | | |
| | Starting method | Inverter | | Inverter | | Inverter | | |
| | Motor output | kW | 10.5 | | 12.4 | | 12.4 | |
| | Case heater | kW | - | | 0.045 | | 0.045 | |
| | Lubricant | MEL32 | | MEL32 | | MEL32 | | |
| External finish | Pre-coated galvanized steel sheets (+powder coating for -BS type) <MUNSELL 5Y 8/1 or similar> | | Pre-coated galvanized steel sheets (+powder coating for -BS type) <MUNSELL 5Y 8/1 or similar> | | Pre-coated galvanized steel sheets (+powder coating for -BS type) <MUNSELL 5Y 8/1 or similar> | | | |
| External dimension H x W x D | mm | 1,710 (1,650 without legs) x 1,220 x 740 | | 1,710 (1,650 without legs) x 1,750 x 740 | | 1,710 (1,650 without legs) x 1,750 x 740 | | |
| | in. | 67-3/8 (65 without legs) x 48-1/16 x 29-3/16 | | 67-3/8 (65 without legs) x 68-15/16 x 29-3/16 | | 67-3/8 (65 without legs) x 68-15/16 x 29-3/16 | | |
| Protection devices | High pressure protection | High pressure sensor, High pressure switch at 4.15 MPa (601 psi) | | High pressure sensor, High pressure switch at 4.15 MPa (601 psi) | | High pressure sensor, High pressure switch at 4.15 MPa (601 psi) | | |
| | Inverter circuit (COMP./FAN) | Over-heat protection, Over-current protection | | Over-heat protection, Over-current protection | | Over-heat protection, Over-current protection | | |
| | Compressor | - | | - | | - | | |
| | Fan motor | - | | - | | - | | |
| Refrigerant | Type x original charge | R410A x 11.5 kg (26 lbs) | | R410A x 11.8 kg (27 lbs) | | R410A x 11.8 kg (27 lbs) | | |
| | Control | | | LEV and HIC circuit | | | | |
| Net weight | kg (lbs) | 251 (554) | | 304 (671) | | 304 (671) | | |
| Heat exchanger | Salt-resistant cross fin & copper tube | | Salt-resistant cross fin & copper tube | | Salt-resistant cross fin & copper tube | | | |
| HIC circuit (HIC: Heat Inter-Changer) | Copper pipe, tube-in-tube structure | | Copper pipe, tube-in-tube structure | | Copper pipe, tube-in-tube structure | | | |
| Pipe between unit and distributor | Liquid pipe | mm (in.) | 12.7 (1/2) Brazed | | 15.88 (5/8) Brazed | | 15.88 (5/8) Brazed | |
| | Gas pipe | mm (in.) | 28.58 (1-1/8) Brazed | | 28.58 (1-1/8) Brazed | | 28.58 (1-1/8) Brazed | |
| Defrosting method | | | Auto-defrost mode (Reversed refrigerant cycle, Hot gas) | | | | | |
| Drawing | External | | | KJ94T007 | | | | |
| | Wiring | KE94G038 | | KE94C967 | | KE94C967 | | |
| Standard attachment | Document | | | Installation Manual | | | | |
| | Accessory | | | Refrigerant conn. pipe | | | | |
| Optional parts | | | Outdoor Twinning kit: CMY-Y300VBK3 Joint: CMY-Y102SS/LS-G2, CMY-Y202/302S-G2 Header: CMY-Y104/108/1010-G | | | | | |
| Remarks | | | Details on foundation work, duct work, insulation work, electrical wiring, power source switch, and other items shall be referred to the Installation Manual. Due to continuing improvement, above specifications may be subject to change without notice. | | | | | |

| Notes: | Unit converter |
|---|---|
| 1.Nominal cooling conditions (subject to JIS B8615-2) Indoor: 27°C D.B./19°C W.B. (81°F D.B./66°F W.B.), Outdoor: 35°C D.B./24°C W.B. (95°F D.B./75°F W.B.) Pipe length: 7.5 m (24-9/16 ft.), Level difference: 0 m (0 ft.) | BTU/h =kW x 3,412 |
| 2.Nominal heating conditions (subject to JIS B8615-2) Indoor: 20°C D.B. (68°F D.B.), Outdoor: 7°C D.B./6°C W.B. (45°F D.B./43°F W.B.) Pipe length: 7.5 m (24-9/16 ft.), Level difference: 0 m (0 ft.) | cfm =m ³ /min x 35.31 |
| 3.External static pressure option is available (30Pa, 60Pa/3.1mmH ₂ O, 6.1mmH ₂ O). | lbs =kg/0.4536 |
| | *Above specification data is subject to rounding variation. |

1. SPECIFICATIONS

YKB/YLM

| Model | | | PUHY-P1300YSKB-A1 (-BS) | |
|--|----------------|---------------|---------------------------------------|----------------|
| Power source | | | 3-phase 4-wire 380-400-415 V 50/60 Hz | |
| Cooling capacity (Nominal) | *1 | kW | 146.0 | |
| | | kcal/h | 125,600 | |
| | | BTU/h | 498,200 | |
| | Power input | kW | 47.80 | |
| | | Current input | A | 80.6-76.6-73.8 |
| EER | kW/kW | 3.05 | | |
| Temp. range of cooling | Indoor | W.B. | 15.0~24.0°C (59~75°F) | |
| | Outdoor | D.B. | -5.0~52.0°C (23~126°F) | |
| Heating capacity (Nominal) | *2 | kW | 163.0 | |
| | | kcal/h | 140,200 | |
| | | BTU/h | 556,200 | |
| | Power input | kW | 46.04 | |
| | | Current input | A | 77.7-73.8-71.1 |
| COP | kW/kW | 3.54 | | |
| Temp. range of heating | Indoor | D.B. | 15.0~27.0°C (59~81°F) | |
| | Outdoor | W.B. | -20.0~15.5°C (-4~60°F) | |
| Indoor unit connectable | Total capacity | | 50~130% of outdoor unit capacity | |
| | Model/Quantity | | P15~P250/2~50 | |
| Sound pressure level (measured in anechoic room) | dB <A> | | 70 | |
| Sound power level (measured in anechoic room) | dB <A> | | 89.5 | |
| Refrigerant piping diameter | Liquid pipe | mm (in.) | 19.05 (3/4) Brazed | |
| | Gas pipe | mm (in.) | 41.28 (1-5/8) Brazed | |

Set Model

| Model | | | PUHY-P400YKB-A1 (-BS) | | PUHY-P450YKB-A1 (-BS) | | PUHY-P450YKB-A1 (-BS) | |
|---------------------------------------|------------------------------|-----------------------------|---|-----------------------------|---|-----------------------------|---|--|
| FAN | Type x Quantity | | Propeller fan x 1 | | Propeller fan x 2 | | Propeller fan x 2 | |
| | Air flow rate | m ³ /min | 210 | | 360 | | 360 | |
| | | L/s | 3,500 | | 6,000 | | 6,000 | |
| | | cfm | 7,415 | | 12,712 | | 12,712 | |
| | Control, Driving mechanism | | Inverter-control, Direct-driven by motor | | Inverter-control, Direct-driven by motor | | Inverter-control, Direct-driven by motor | |
| | Motor output | kW | 0.92 x 1 | | 0.92 x 2 | | 0.92 x 2 | |
| *3 External static press. | | 0 Pa (0 mmH ₂ O) | | 0 Pa (0 mmH ₂ O) | | 0 Pa (0 mmH ₂ O) | | |
| Compressor | Type x Quantity | | Inverter scroll hermetic compressor | | Inverter scroll hermetic compressor | | Inverter scroll hermetic compressor | |
| | Manufacture | | AC&R Works, MITSUBISHI ELECTRIC CORPORATION | | AC&R Works, MITSUBISHI ELECTRIC CORPORATION | | AC&R Works, MITSUBISHI ELECTRIC CORPORATION | |
| | Starting method | | Inverter | | Inverter | | Inverter | |
| | Motor output | kW | 10.8 | | 12.4 | | 12.4 | |
| | Case heater | kW | - | | 0.045 | | 0.045 | |
| | Lubricant | | MEL32 | | MEL32 | | MEL32 | |
| External finish | | | Pre-coated galvanized steel sheets (+powder coating for -BS type) <MUNSELL 5Y 8/1 or similar> | | Pre-coated galvanized steel sheets (+powder coating for -BS type) <MUNSELL 5Y 8/1 or similar> | | Pre-coated galvanized steel sheets (+powder coating for -BS type) <MUNSELL 5Y 8/1 or similar> | |
| External dimension H x W x D | | | mm 1,710 (1,650 without legs) x 1,220 x 740 in. 67-3/8 (65 without legs) x 48-1/16 x 29-3/16 | | mm 1,710 (1,650 without legs) x 1,750 x 740 in. 67-3/8 (65 without legs) x 68-15/16 x 29-3/16 | | mm 1,710 (1,650 without legs) x 1,750 x 740 in. 67-3/8 (65 without legs) x 68-15/16 x 29-3/16 | |
| Protection devices | High pressure protection | | High pressure sensor, High pressure switch at 4.15 MPa (601 psi) | | High pressure sensor, High pressure switch at 4.15 MPa (601 psi) | | High pressure sensor, High pressure switch at 4.15 MPa (601 psi) | |
| | Inverter circuit (COMP./FAN) | | Over-heat protection, Over-current protection | | Over-heat protection, Over-current protection | | Over-heat protection, Over-current protection | |
| | Compressor | | - | | - | | - | |
| | Fan motor | | - | | - | | - | |
| Refrigerant | Type x original charge | | R410A x 11.5 kg (26 lbs) | | R410A x 11.8 kg (27 lbs) | | R410A x 11.8 kg (27 lbs) | |
| | Control | | LEV and HIC circuit | | LEV and HIC circuit | | LEV and HIC circuit | |
| Net weight | | | kg (lbs) 251 (554) | | kg (lbs) 304 (671) | | kg (lbs) 304 (671) | |
| Heat exchanger | | | Salt-resistant cross fin & copper tube | | Salt-resistant cross fin & copper tube | | Salt-resistant cross fin & copper tube | |
| HIC circuit (HIC: Heat Inter-Changer) | | | Copper pipe, tube-in-tube structure | | Copper pipe, tube-in-tube structure | | Copper pipe, tube-in-tube structure | |
| Pipe between unit and distributor | Liquid pipe | mm (in.) | 15.88 (5/8) Brazed | | 15.88 (5/8) Brazed | | 15.88 (5/8) Brazed | |
| | Gas pipe | mm (in.) | 28.58 (1-1/8) Brazed | | 28.58 (1-1/8) Brazed | | 28.58 (1-1/8) Brazed | |
| Defrosting method | | | Auto-defrost mode (Reversed refrigerant cycle, Hot gas) | | Auto-defrost mode (Reversed refrigerant cycle, Hot gas) | | Auto-defrost mode (Reversed refrigerant cycle, Hot gas) | |
| Drawing | External | | KJ94T007 | | KJ94T007 | | KJ94T007 | |
| | Wiring | | KE94G038 | | KE94C967 | | KE94C967 | |
| Standard attachment | Document | | Installation Manual | | Installation Manual | | Installation Manual | |
| | Accessory | | Refrigerant conn. pipe | | Refrigerant conn. pipe | | Refrigerant conn. pipe | |
| Optional parts | | | Outdoor Twinning kit: CMY-Y300VBK3 Joint: CMY-Y102SS/LS-G2, CMY-Y202/302S-G2 Header: CMY-Y104/108/1010-G | | Outdoor Twinning kit: CMY-Y300VBK3 Joint: CMY-Y102SS/LS-G2, CMY-Y202/302S-G2 Header: CMY-Y104/108/1010-G | | Outdoor Twinning kit: CMY-Y300VBK3 Joint: CMY-Y102SS/LS-G2, CMY-Y202/302S-G2 Header: CMY-Y104/108/1010-G | |
| Remarks | | | Details on foundation work, duct work, insulation work, electrical wiring, power source switch, and other items shall be referred to the Installation Manual. Due to continuing improvement, above specifications may be subject to change without notice. | | Details on foundation work, duct work, insulation work, electrical wiring, power source switch, and other items shall be referred to the Installation Manual. Due to continuing improvement, above specifications may be subject to change without notice. | | Details on foundation work, duct work, insulation work, electrical wiring, power source switch, and other items shall be referred to the Installation Manual. Due to continuing improvement, above specifications may be subject to change without notice. | |

Notes:

- Nominal cooling conditions (subject to JIS B8615-2)
Indoor: 27°C D.B./19°C W.B. (81°F D.B./66°F W.B.), Outdoor: 35°C D.B./24°C W.B. (95°F D.B./75°F W.B.)
Pipe length: 7.5 m (24-9/16 ft.), Level difference: 0 m (0 ft.)
- Nominal heating conditions (subject to JIS B8615-2)
Indoor: 20°C D.B. (68°F D.B.), Outdoor: 7°C D.B./6°C W.B. (45°F D.B./43°F W.B.)
Pipe length: 7.5 m (24-9/16 ft.), Level difference: 0 m (0 ft.)
- External static pressure option is available (30Pa, 60Pa/3.1mmH₂O, 6.1mmH₂O).

Unit converter

BTU/h =kW x 3,412
cfm =m³/min x 35.31
lbs =kg/0.4536

*Above specification data is subject to rounding variation.

1. SPECIFICATIONS

YKB/YLM

| Model | | PUHY-P1350YSKB-A1 (-BS) | |
|--|-----------------|---------------------------------------|------------------------|
| Power source | | 3-phase 4-wire 380-400-415 V 50/60 Hz | |
| Cooling capacity (Nominal) | *1 kW | 150.0 | |
| | kcal/h | 129,000 | |
| | *1 BTU/h | 511,800 | |
| | Power input kW | 47.40 | |
| | Current input A | 80.0-76.0-73.2 | |
| Temp. range of cooling | EER | 3.16 | |
| | Indoor | W.B. | 15.0~24.0°C (59~75°F) |
| | Outdoor | D.B. | -5.0~52.0°C (23~126°F) |
| Heating capacity (Nominal) | *2 kW | 168.0 | |
| | kcal/h | 144,500 | |
| | *2 BTU/h | 573,200 | |
| | Power input kW | 49.12 | |
| | Current input A | 82.9-78.7-75.9 | |
| Temp. range of heating | COP | 3.42 | |
| | Indoor | D.B. | 15.0~27.0°C (59~81°F) |
| | Outdoor | W.B. | -20.0~15.5°C (-4~60°F) |
| Indoor unit connectable | Total capacity | 50~130% of outdoor unit capacity | |
| | Model/Quantity | P15~P250/2~50 | |
| Sound pressure level (measured in anechoic room) | dB <A> | 71 | |
| Sound power level (measured in anechoic room) | dB <A> | 90 | |
| Refrigerant piping diameter | Liquid pipe | mm (in.) | 19.05 (3/4) Brazed |
| | Gas pipe | mm (in.) | 41.28 (1-5/8) Brazed |

Set Model

| Model | | PUHY-P450YKB-A1 (-BS) | | PUHY-P450YKB-A1 (-BS) | | PUHY-P450YKB-A1 (-BS) | | |
|---------------------------------------|------------------------------|---|--|---|--|---|--|--|
| FAN | Type x Quantity | | Propeller fan x 2 | | Propeller fan x 2 | | Propeller fan x 2 | |
| | Air flow rate | m ³ /min | 360 | | 360 | | 360 | |
| | | L/s | 6,000 | | 6,000 | | 6,000 | |
| | | cfm | 12,712 | | 12,712 | | 12,712 | |
| | Control, Driving mechanism | | Inverter-control, Direct-driven by motor | | Inverter-control, Direct-driven by motor | | Inverter-control, Direct-driven by motor | |
| | Motor output | kW | 0.92 x 2 | | 0.92 x 2 | | 0.92 x 2 | |
| *3 External static press. | | 0 Pa (0 mmH ₂ O) | | 0 Pa (0 mmH ₂ O) | | 0 Pa (0 mmH ₂ O) | | |
| Compressor | Type x Quantity | | Inverter scroll hermetic compressor | | Inverter scroll hermetic compressor | | Inverter scroll hermetic compressor | |
| | Manufacture | | AC&R Works, MITSUBISHI ELECTRIC CORPORATION | | AC&R Works, MITSUBISHI ELECTRIC CORPORATION | | AC&R Works, MITSUBISHI ELECTRIC CORPORATION | |
| | Starting method | | Inverter | | Inverter | | Inverter | |
| | Motor output | kW | 12.4 | | 12.4 | | 12.4 | |
| | Case heater | kW | 0.045 | | 0.045 | | 0.045 | |
| | Lubricant | | MEL32 | | MEL32 | | MEL32 | |
| External finish | | Pre-coated galvanized steel sheets (+powder coating for -BS type) <MUNSELL 5Y 8/1 or similar> | | Pre-coated galvanized steel sheets (+powder coating for -BS type) <MUNSELL 5Y 8/1 or similar> | | Pre-coated galvanized steel sheets (+powder coating for -BS type) <MUNSELL 5Y 8/1 or similar> | | |
| External dimension H x W x D | | mm | 1,710 (1,650 without legs) x 1,750 x 740 | | 1,710 (1,650 without legs) x 1,750 x 740 | | 1,710 (1,650 without legs) x 1,750 x 740 | |
| | | in. | 67-3/8 (65 without legs) x 68-15/16 x 29-3/16 | | 67-3/8 (65 without legs) x 68-15/16 x 29-3/16 | | 67-3/8 (65 without legs) x 68-15/16 x 29-3/16 | |
| Protection devices | High pressure protection | | High pressure sensor, High pressure switch at 4.15 MPa (601 psi) | | High pressure sensor, High pressure switch at 4.15 MPa (601 psi) | | High pressure sensor, High pressure switch at 4.15 MPa (601 psi) | |
| | Inverter circuit (COMP./FAN) | | Over-heat protection, Over-current protection | | Over-heat protection, Over-current protection | | Over-heat protection, Over-current protection | |
| | Compressor | | - | | - | | - | |
| | Fan motor | | - | | - | | - | |
| Refrigerant | Type x original charge | | R410A x 11.8 kg (27 lbs) | | R410A x 11.8 kg (27 lbs) | | R410A x 11.8 kg (27 lbs) | |
| | Control | | LEV and HIC circuit | | LEV and HIC circuit | | LEV and HIC circuit | |
| Net weight | | kg (lbs) | 304 (671) | | 304 (671) | | 304 (671) | |
| Heat exchanger | | Salt-resistant cross fin & copper tube | | Salt-resistant cross fin & copper tube | | Salt-resistant cross fin & copper tube | | |
| HIC circuit (HIC: Heat Inter-Changer) | | Copper pipe, tube-in-tube structure | | Copper pipe, tube-in-tube structure | | Copper pipe, tube-in-tube structure | | |
| Pipe between unit and distributor | Liquid pipe | mm (in.) | 15.88 (5/8) Brazed | | 15.88 (5/8) Brazed | | 15.88 (5/8) Brazed | |
| | Gas pipe | mm (in.) | 28.58 (1-1/8) Brazed | | 28.58 (1-1/8) Brazed | | 28.58 (1-1/8) Brazed | |
| Defrosting method | | Auto-defrost mode (Reversed refrigerant cycle, Hot gas) | | Auto-defrost mode (Reversed refrigerant cycle, Hot gas) | | Auto-defrost mode (Reversed refrigerant cycle, Hot gas) | | |
| Drawing | External | | KJ94T008 | | KJ94T008 | | KJ94T008 | |
| | Wiring | | KE94C967 | | KE94C967 | | KE94C967 | |
| Standard attachment | Document | | Installation Manual | | Installation Manual | | Installation Manual | |
| | Accessory | | Refrigerant conn. pipe | | Refrigerant conn. pipe | | Refrigerant conn. pipe | |
| Optional parts | | Outdoor Twinning kit: CMY-Y300VBK3 Joint: CMY-Y102SS/LS-G2, CMY-Y202/302S-G2 Header: CMY-Y104/108/1010-G | | Outdoor Twinning kit: CMY-Y300VBK3 Joint: CMY-Y102SS/LS-G2, CMY-Y202/302S-G2 Header: CMY-Y104/108/1010-G | | Outdoor Twinning kit: CMY-Y300VBK3 Joint: CMY-Y102SS/LS-G2, CMY-Y202/302S-G2 Header: CMY-Y104/108/1010-G | | |
| Remarks | | Details on foundation work, duct work, insulation work, electrical wiring, power source switch, and other items shall be referred to the Installation Manual. Due to continuing improvement, above specifications may be subject to change without notice. | | Details on foundation work, duct work, insulation work, electrical wiring, power source switch, and other items shall be referred to the Installation Manual. Due to continuing improvement, above specifications may be subject to change without notice. | | Details on foundation work, duct work, insulation work, electrical wiring, power source switch, and other items shall be referred to the Installation Manual. Due to continuing improvement, above specifications may be subject to change without notice. | | |

Notes:

- Nominal cooling conditions (subject to JIS B8615-2)
Indoor: 27°C D.B./19°C W.B. (81°F D.B./66°F W.B.), Outdoor: 35°C D.B./24°C W.B. (95°F D.B./75°F W.B.)
Pipe length: 7.5 m (24-9/16 ft.), Level difference: 0 m (0 ft.)
- Nominal heating conditions (subject to JIS B8615-2)
Indoor: 20°C D.B. (68°F D.B.), Outdoor: 7°C D.B./6°C W.B. (45°F D.B./43°F W.B.)
Pipe length: 7.5 m (24-9/16 ft.), Level difference: 0 m (0 ft.)
- External static pressure option is available (30Pa, 60Pa/3.1mmH₂O, 6.1mmH₂O).

| Unit converter | |
|---|------------------------------|
| BTU/h | =kW x 3,412 |
| cfm | =m ³ /min x 35.31 |
| lbs | =kg/0.4536 |
| *Above specification data is subject to rounding variation. | |

PUHY-P200, 250YKB-A1(-BS)

Unit : mm

- <Accessories>
 •Connecting pipe
 <Gas> · Elbow (ID28.58×OD28.58)..... P200,P250 1pc.
 · Pipe reducer (ID28.58×OD22.2)..... P200,P250 1pc.
 <Liquid> · Pipe (ID9.52×OD9.52)..... P200,P250 1pc.
 · Pipe reducer (ID9.52×OD12.7)..... P250 1pc.

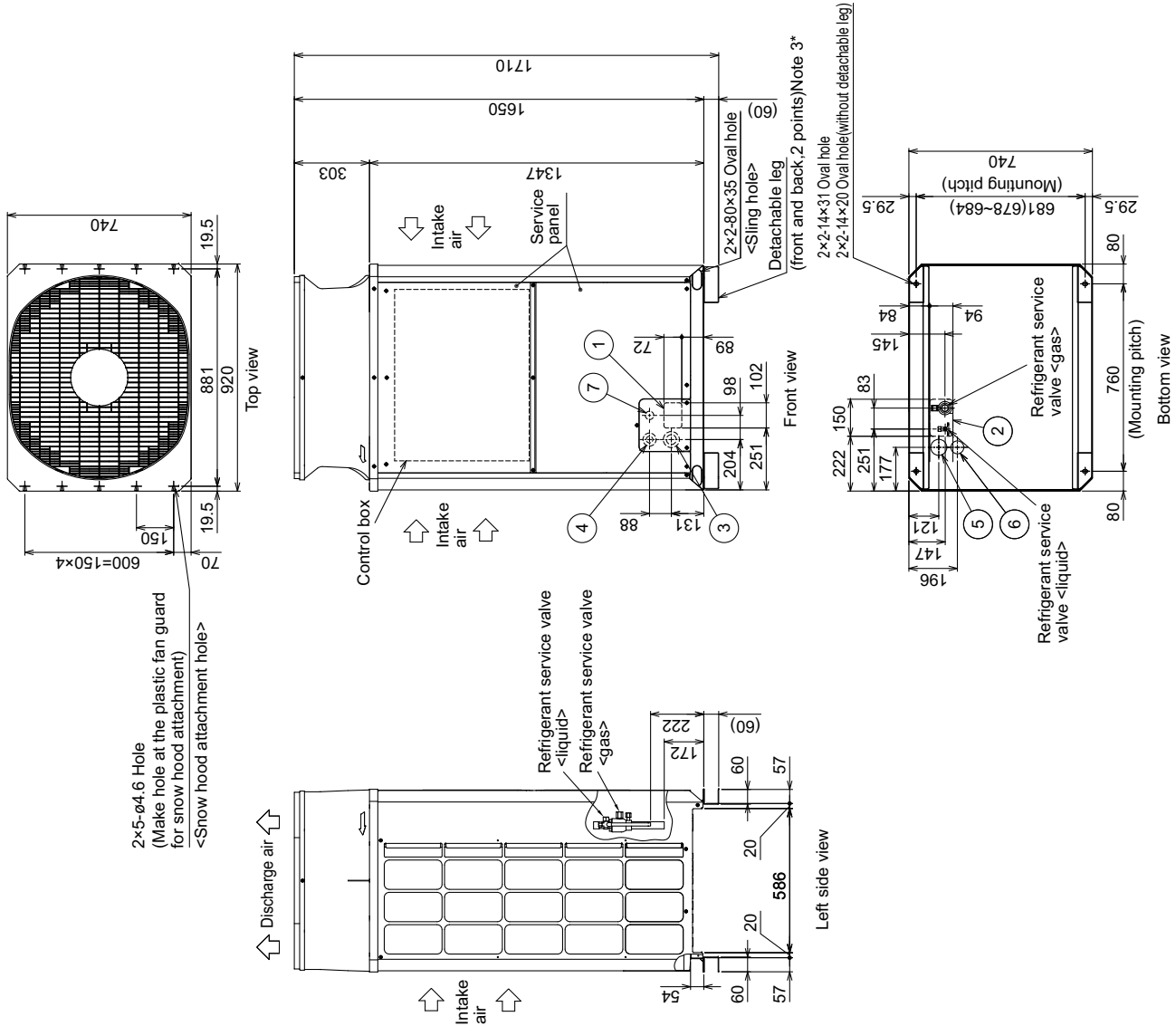
- Note 1. Please refer to the next page for information regarding necessary spacing around the unit and foundation work.
 2. At brazing of pipes, wrap the refrigerant service valve with wet cloth and keep the temperature of refrigerant service valve under 120°C.
 3. The detachable leg can be removed at site.

Connecting pipe specifications

| Model | Refrigerant pipe *1 | | Diameter | | Service valve |
|----------------------|--------------------------------|-----|--------------|-----|---------------|
| | Liquid | Gas | Liquid | Gas | |
| PUHY-P200YKB-A1(-BS) | ø9.52 Brazed | | ø9.52 | | |
| PUHY-P250YKB-A1(-BS) | ø9.52 Brazed (ø12.7 Brazed) *2 | | ø22.2 Brazed | | ø28.58 |

*1 Connect by using the connecting pipes (for bottom piping and front piping) that are supplied.
 *2 Furthest piping length (OU from IU)≥90m

| NO. | Usage | Specifications |
|-----|---------------------------------------|---|
| ① | For pipes | Front through hole 102 x 72 Knockout hole |
| ② | | Bottom through hole 150 x 94 Knockout hole |
| ③ | For wires | Front through hole ø65 or ø40 Knockout hole |
| ④ | | Front through hole ø52 or ø27 Knockout hole |
| ⑤ | | Bottom through hole ø65 Knockout hole |
| ⑥ | Bottom through hole ø52 Knockout hole | |
| ⑦ | For transmission cables | Front through hole ø34 Knockout hole |



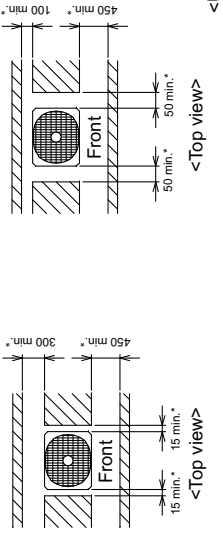
PUHY-P200, 250YKB-A1(-BS)

Unit : mm

1. Required space around the unit

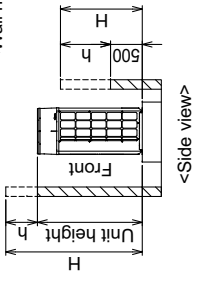
In case of single installation

- ① Secure enough space around the unit as shown in the figure below.
 - With a space of at least 300mm to the wall on the back of the unit



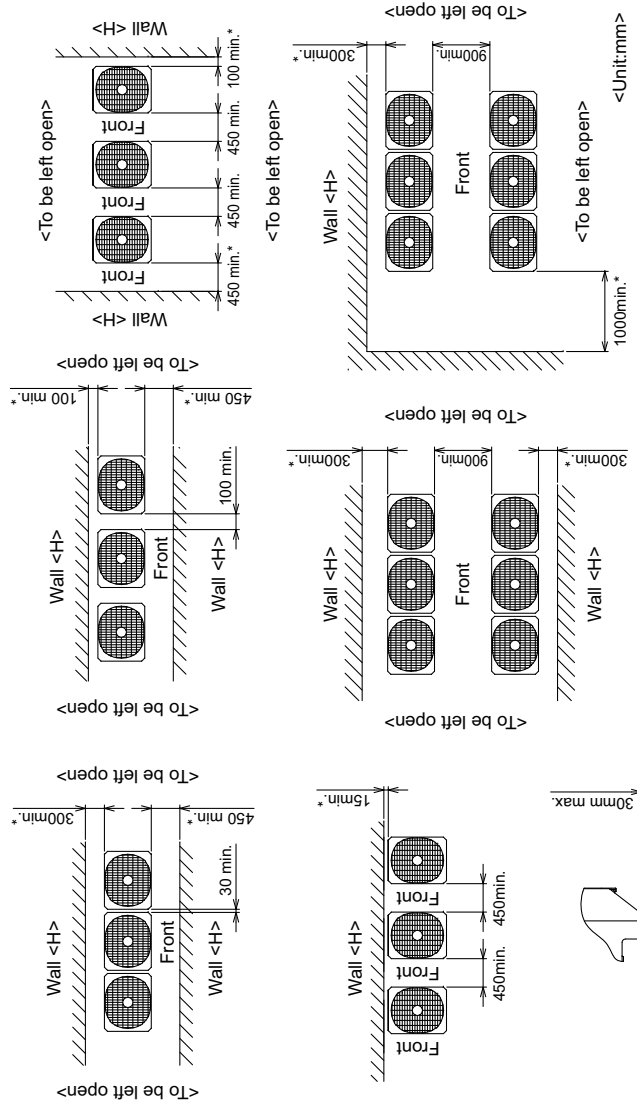
- ② When the height of the walls on the front, back or on the sides <H> exceeds the wall height limit as defined below add the height that exceeds the height limit <h> to the figures that are marked with an asterisk.

<Wall height limit> Front : Up to the unit height
 Back : Up to 500mm from the unit bottom
 Side : Up to the unit height



In case of collective installation

- ① When multiple units are installed adjacent to each other, secure enough space to allow for air circulation and walkway between groups of units as shown in the figures below.
- ② At least two sides must be left open.
- ③ As with the single installation, add the height that exceeds the height limit <h> to the figures that are marked with an asterisk.
- ④ If there is a wall at both the front and the rear of the unit, install up to six units consecutively in the side direction and provide a space of 1000mm or more as inlet space/ passage space for each six units.



2. Foundation work

- ① Take into consideration the surface strength, water drainage route, piping route, and wiring route when preparing the installation site.
 - Note that the drain water comes out of the unit during operation.
- ② Build the foundation in such way that the corner of the installation leg is securely supported as shown in the right figure. (Fig.A,B)
 - When using a rubber isolating cushion, please ensure it is large enough to cover the entire width of each of the unit's legs.
- ③ The protrusion length of the anchor bolt must not exceed 30mm. (Fig.A,B)
- ④ Use four fixing plates as shown in the right figure <field supply required> when using post-installed anchor bolts. (Fig.C,D)
- ⑤ To prevent small animals and water and snow from entering the unit and damaging its parts, close the gap around the edges of through holes for pipes and wires with filler plates <field supply required>.
- ⑥ When the pipes or cables are routed at the bottom of the unit, make sure that the through hole at the base of the unit does not get blocked with the installation base.
- ⑦ Refer to the Installation Manual when installing units on an installation base.

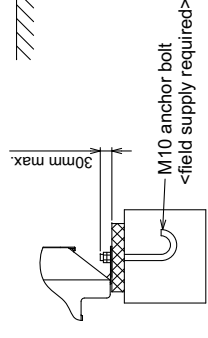


Fig.A (without detachable legs)

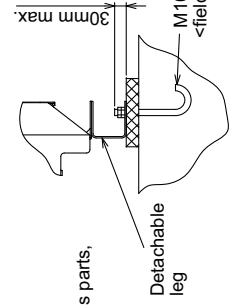


Fig.B (with detachable legs)

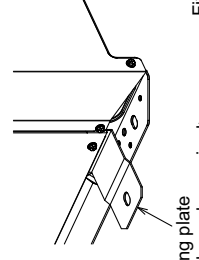


Fig.C (without detachable legs)

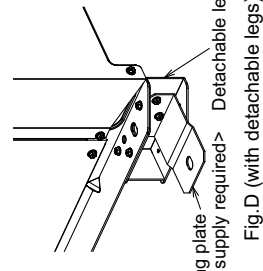


Fig.D (with detachable legs)

PUHY-P300, 350, 400YKB-A1(-BS)

Unit : mm

- <Accessories>
- Connecting pipe (ID28.58×OD28.58) ... P300,P350,P400 1pc.
 - <Gas> -Elbow (ID28.58×OD22.2) ... P300 1pc.
 - Pipe reducer (ID15.88×OD15.88) ... P300,P350,P400 1pc.
 - <Liquid> -Pipe (ID15.88×OD9.52) ... P300 1pc.
 - Pipe reducer (ID15.88×OD12.7) ... P300,P350,P400 1pc.

Note 1. Please refer to the next page for information regarding necessary spacing around the unit and foundation work.

2. At brazing of pipes, wrap the refrigerant service valve with wet cloth and keep the temperature of refrigerant service valve under 120°C.

3. The detachable leg can be removed at site.

Connecting pipe specifications

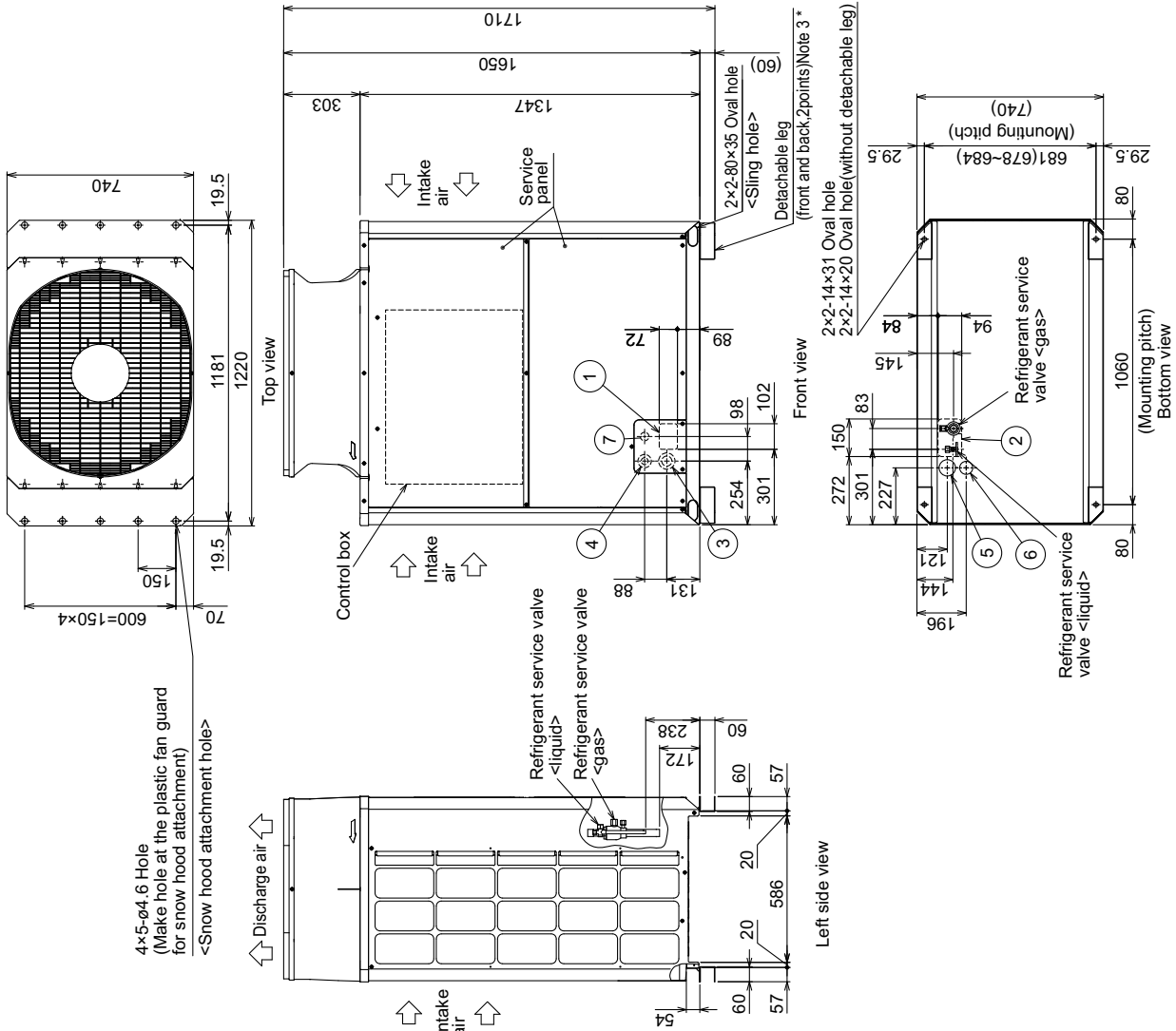
| Model | Refrigerant pipe *1 | | Diameter | |
|----------------------|-----------------------------------|---------------|----------|--------|
| | Liquid | Gas | Liquid | Gas |
| PUHY-P300YKB-A1(-BS) | ø9.52 Brazed (ø12.7 Brazed) *2,*3 | ø22.2 Brazed | ø15.88 | ø28.58 |
| PUHY-P350YKB-A1(-BS) | ø12.7 Brazed | ø23.58 Brazed | ø15.88 | ø28.58 |
| PUHY-P400YKB-A1(-BS) | ø12.7 Brazed (ø15.88 Brazed) *2 | ø23.58 Brazed | ø15.88 | ø28.58 |

*1 Connect by using the connecting pipes (for bottom piping and front piping) that are supplied.

*2 Indicates dimensions and connection specifications in the case the unit is used in combination with other outdoor units.

*3 Furthest piping length (OU from IU)≥40m.

| NO. | Usage | Specifications |
|-----|-------------------------|---|
| ① | For pipes | Front through hole 102 x 72 Knockout hole |
| ② | | Bottom through hole 150 x 94 Knockout hole |
| ③ | For wires | Front through hole ø65 or ø40 Knockout hole |
| ④ | | Front through hole ø52 or ø27 Knockout hole |
| ⑤ | | Bottom through hole ø65 Knockout hole |
| ⑥ | | Bottom through hole ø52 Knockout hole |
| ⑦ | For transmission cables | Front through hole ø34 Knockout hole |



PUHY-P300, 350, 400YKB-A1(-BS)

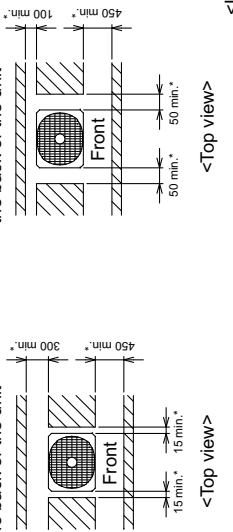
Unit : mm

1. Required space around the unit

● In case of single installation

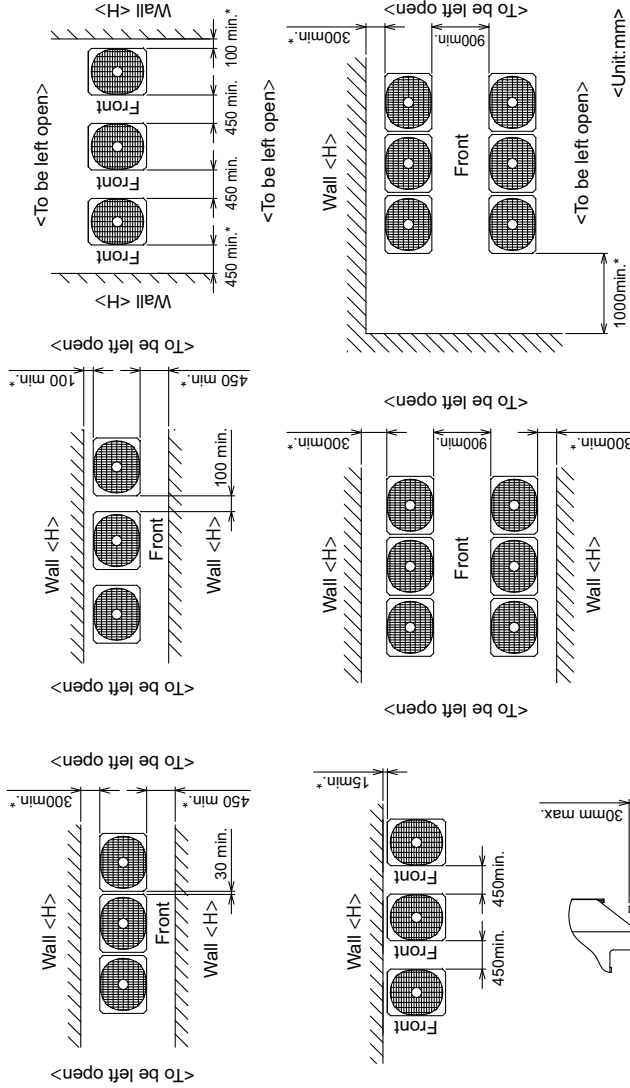
- ① Secure enough space around the unit as shown in the figure below.

· With a space of at least 300mm to the wall on the back of the unit



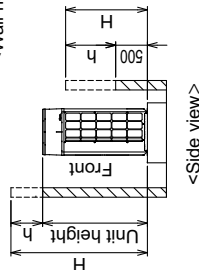
● In case of collective installation

- ① When multiple units are installed adjacent to each other, secure enough space to allow for air circulation and walkway between groups of units as shown in the figures below.
- ② At least two sides must be left open.
- ③ As with the single installation, add the height that exceeds the height limit <h> to the figures that are marked with an asterisk.
- ④ If there is a wall at both the front and the rear of the unit, install up to six units consecutively in the side direction and provide a space of 1000mm or more as inlet space/ passage space for each six units.



- ② When the height of the walls on the front, back or on the sides <H> exceeds the wall height limit as defined below add the height that exceeds the height limit <h> to the figures that are marked with an asterisk.

<Wall height limit> Front : Up to the unit height
Back : Up to 500mm from the unit bottom
Side : Up to the unit height



2. Foundation work

- ① Take into consideration the surface strength, water drainage route, piping route and wiring route when preparing the installation site.
- ② Note that the drain water comes out of the unit during operation.
- ③ Build the foundation in such way that the corner of the installation leg is securely supported as shown in the right figure. (Fig.A,B)
- ④ When using a rubber isolating cushion, please ensure it is large enough to cover the entire width of each of the unit's legs.
- ⑤ The protrusion length of the anchor bolt must not exceed 30mm. (Fig.A,B)
- ⑥ Use four fixing plates as shown in the right figure <field supply required> when using post-installed anchor bolts. (Fig.C,D)
- ⑦ To prevent small animals and water and snow from entering the unit and damaging its parts, close the gap around the edges of through holes for pipes and wires with filler plates <field supply required>.
- ⑧ When the pipes or cables are routed at the bottom of the unit, make sure that the through hole at the base of the unit does not get blocked with the installation base.
- ⑨ Refer to the Installation Manual when installing units on an installation base.

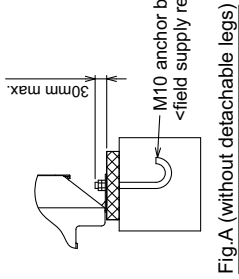


Fig.A (without detachable legs)

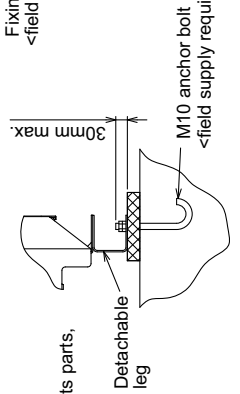


Fig.B (with detachable legs)

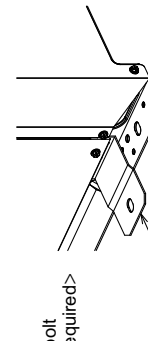


Fig.C (without detachable legs)

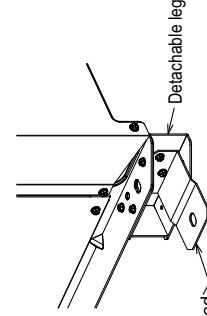


Fig.D (with detachable legs)

PUHY-P450, 500YKB-A1(-BS)

Unit : mm

- <Accessories>
- Connecting pipe (ID28.58×OD28.58).....P450.500 1pc.
 - <Gas> Elbow (ID15.88×OD15.88).....P450.500 1pc.
 - <Liquid> Pipe (ID15.88×OD15.88).....P450.500 1pc.

Note 1. Please refer to the next page for information regarding necessary spacing around the unit and foundation work.

2. At brazing of pipes, wrap the refrigerant service valve with wet cloth and keep the temperature of refrigerant service valve under 120°C.

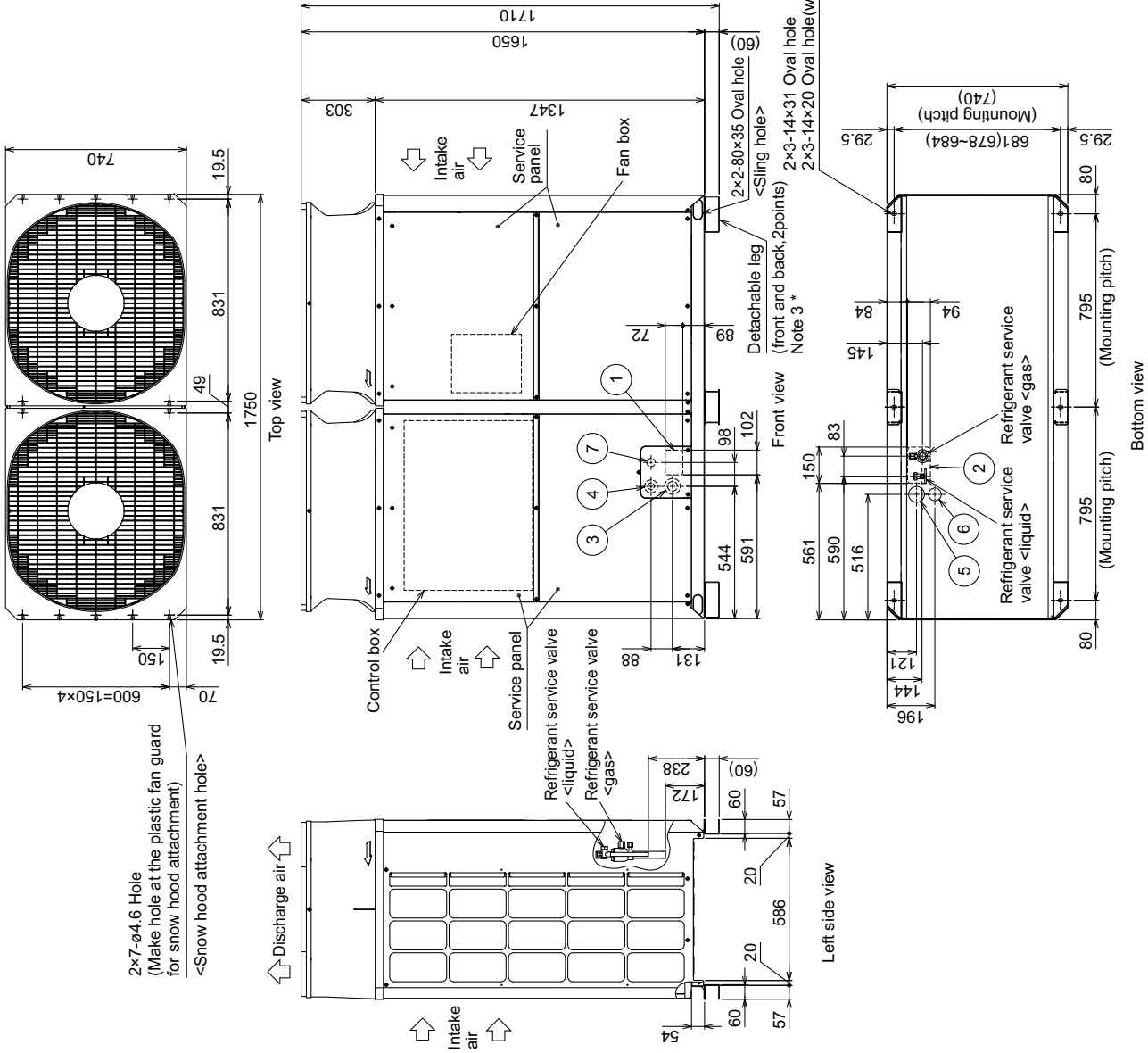
3. The detachable leg can be removed at site.

Connecting pipe specifications

| Model | Refrigerant pipe *1 | | Service valve | |
|----------------------|---------------------|---------------|---------------|--------|
| | Liquid | Gas | Liquid | Gas |
| PUHY-P450YKB-A1(-BS) | ø15.88 Brazed | ø28.58 Brazed | ø15.88 | ø28.58 |
| PUHY-P500YKB-A1(-BS) | ø15.88 Brazed | ø28.58 Brazed | ø15.88 | ø28.58 |

*1 Connect by using the connecting pipes (for bottom piping and front piping) that are supplied.

| NO. | Usage | Specifications | |
|-----|-------------------------|--------------------------|--------------------------|
| | | Front through hole | Bottom through hole |
| ① | For pipes | 102 × 72 Knockout hole | 150 × 94 Knockout hole |
| ② | | 150 × 94 Knockout hole | ø65 or ø40 Knockout hole |
| ③ | | ø65 or ø40 Knockout hole | ø52 or ø27 Knockout hole |
| ④ | For wires | ø65 or ø40 Knockout hole | ø65 Knockout hole |
| ⑤ | | ø52 or ø27 Knockout hole | ø52 Knockout hole |
| ⑥ | | ø65 Knockout hole | ø34 Knockout hole |
| ⑦ | For transmission cables | Front through hole | Front through hole |



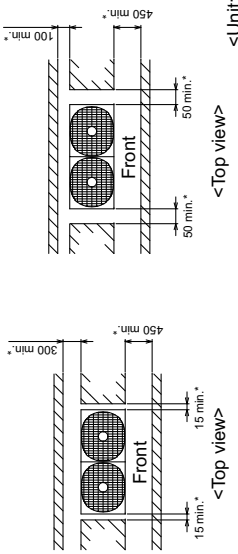
PUHY-P450, 500YKB-A1(-BS)

Unit : mm

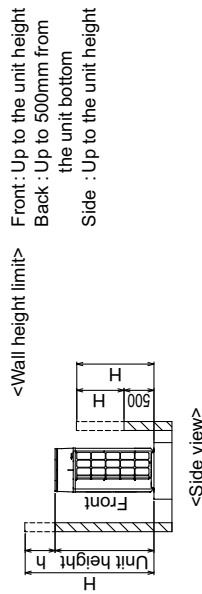
1. Required space around the unit

● In case of single installation

- ① Secure enough space around the unit as shown in the figure below.
- With a space of at least 300mm to the wall on the back of the unit



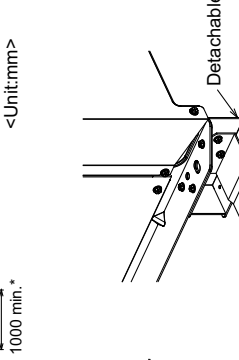
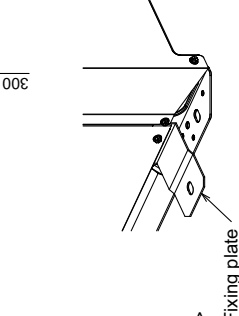
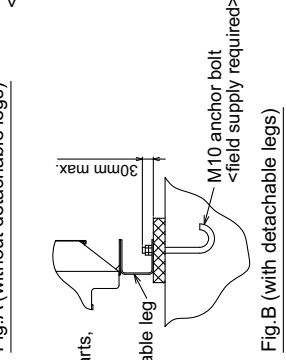
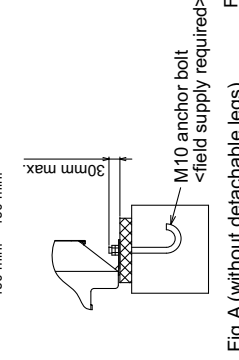
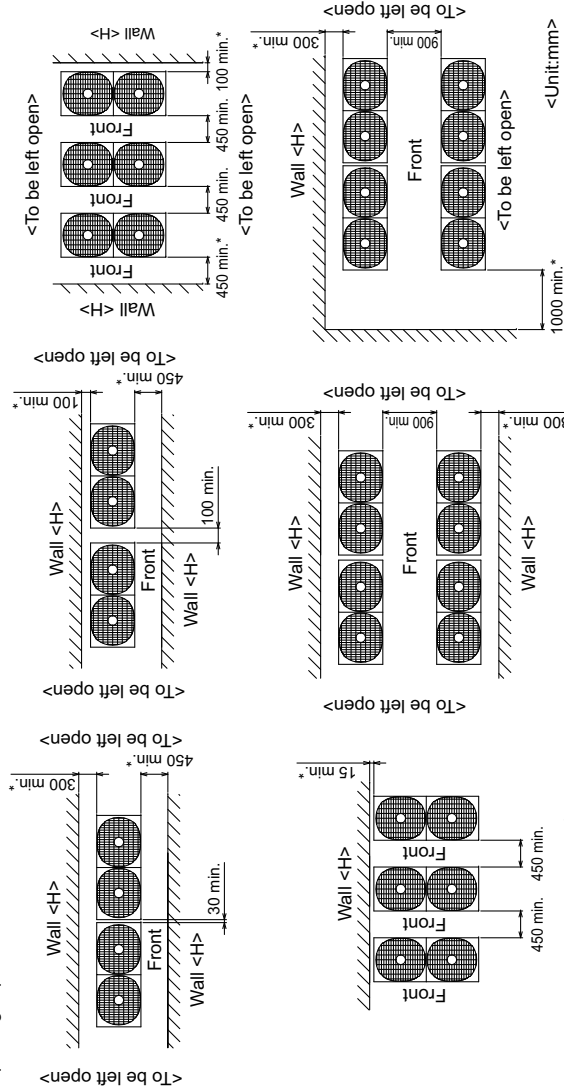
- ② When the height of the walls on the front, back or on the sides<H> exceeds the wall height limit as defined below add the height that exceeds the height limit <h> to the figures that are marked with an asterisk.



<Wall height limit>
 Front : Up to the unit height
 Back : Up to 500mm from the unit bottom
 Side : Up to the unit height

● In case of collective installation

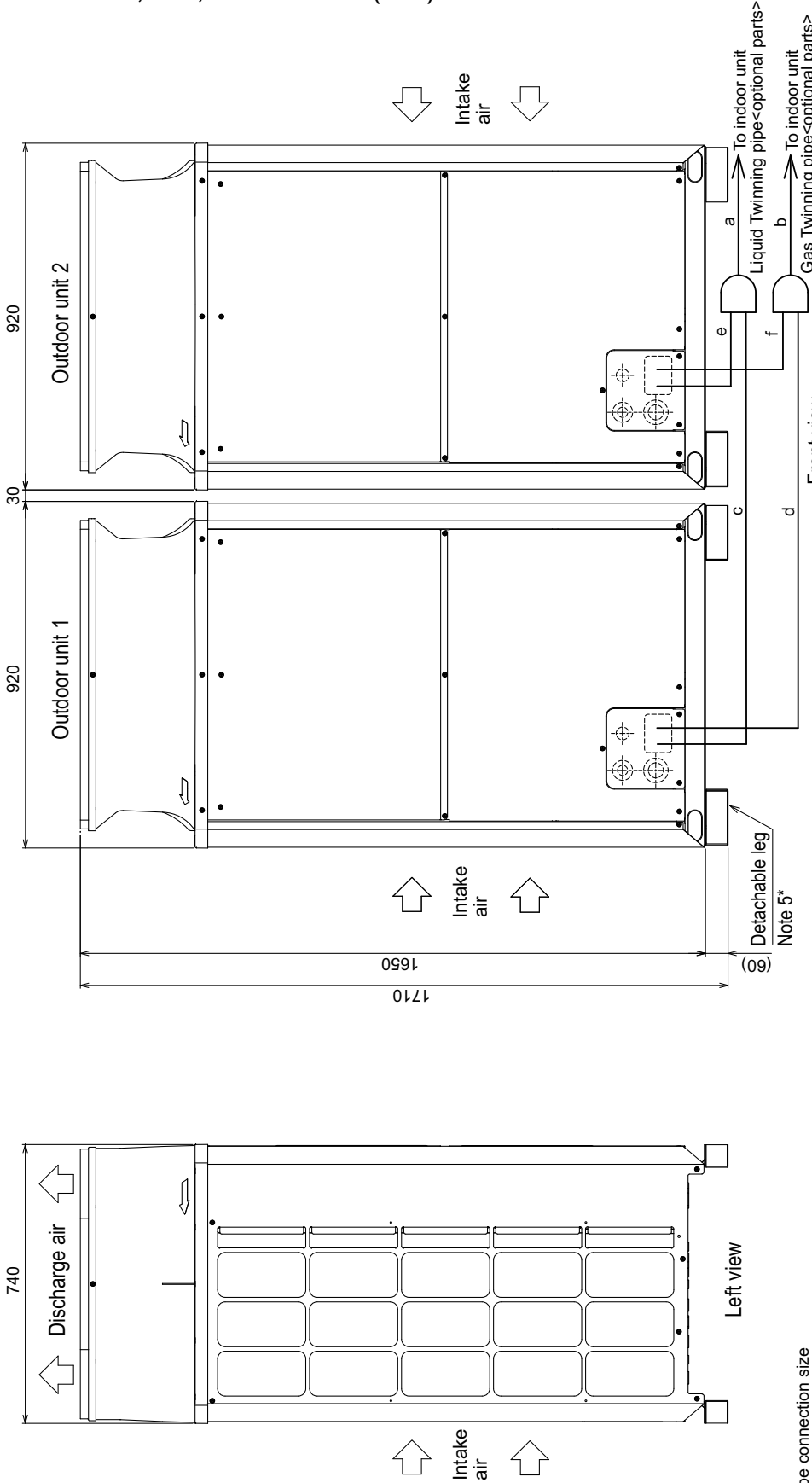
- ① When multiple units are installed adjacent to each other, secure enough space to allow for air circulation and walkway between groups of units as shown in the figures below.
- ② At least two sides must be left open.
- ③ As with the single installation, add the height that exceeds the height limit<h> to the figures that are marked with an asterisk.
- ④ If there is a wall at both the front and the rear of the unit, install up to three units consecutively in the side direction and provide a space of 1000mm or more as inlet space/ passage space for each three units.



2. Foundation work

- ① Take into consideration the surface strength, water drainage route, piping route, and wiring route when preparing the installation site.
 <Note that the drain water comes out of the unit during operation.>
- ② Build the foundation in such way that the corner of the installation leg is securely supported as shown in the right figure.(Fig.A,B)
 When using a rubber isolating cushion, please ensure it is large enough to cover the entire width of each of the unit's legs.
- ③ The protrusion length of the anchor bolt must not exceed 30mm.(Fig.A,B)
- ④ Use four fixing plates as shown in the right figure <field supply required> when using post-installed anchor bolts (Fig.C,D)
- ⑤ To prevent small animals and water and snow from entering the unit and damaging its parts, close the gap around the edges of through holes for pipes and wires with filler plates <field supply required>.
- ⑥ When the pipes or cables are routed at the bottom of the unit, make sure that the through hole at the base of the unit does not get blocked with the installation base.
- ⑦ Refer to the Installation Manual when installing units on an installation base.

PUHY-P400, 450, 500YSKB-A1(-BS)



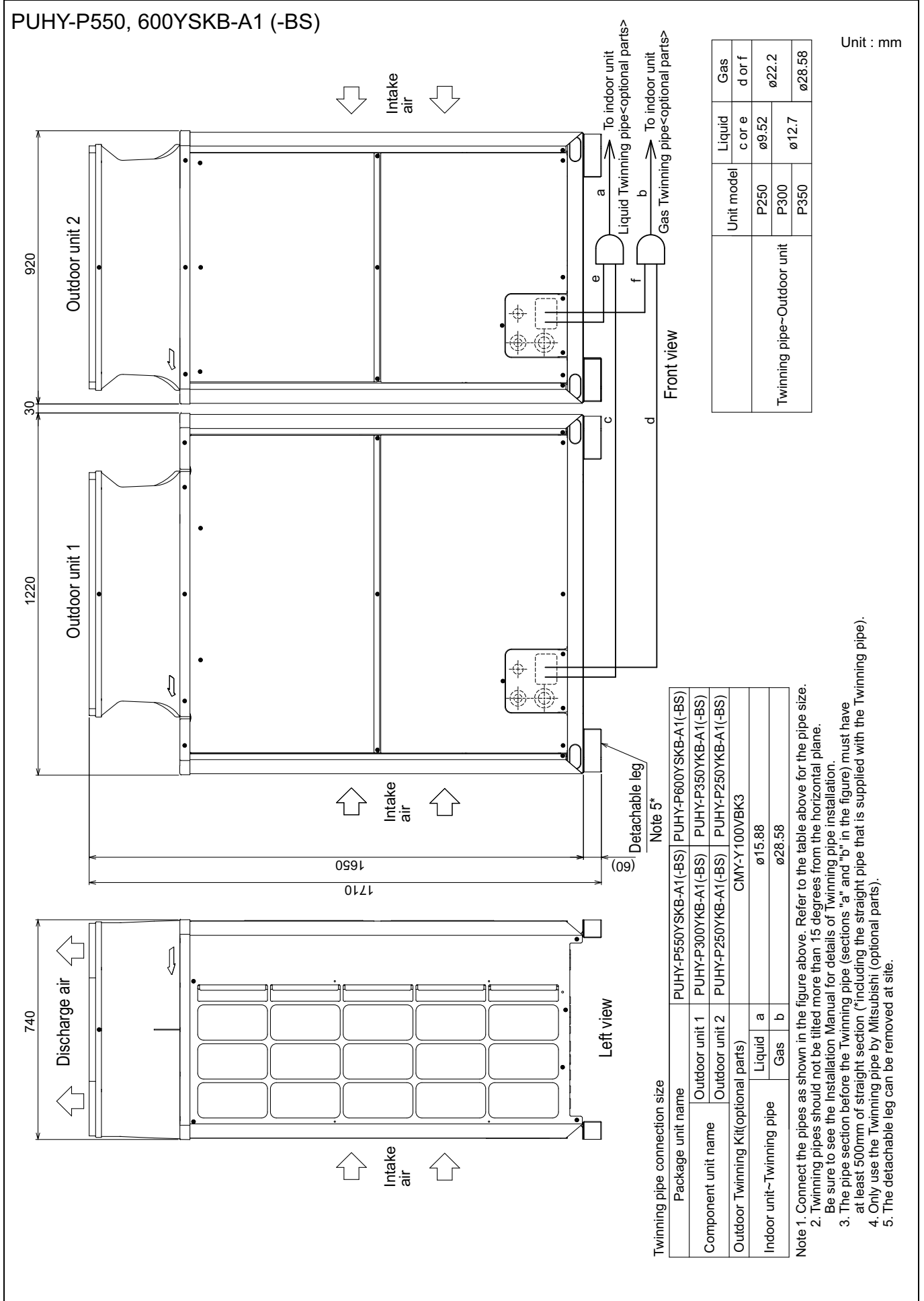
Twinning pipe connection size

| Package unit name | PUHY-P400YSKB-A1(-BS) | PUHY-P450YSKB-A1(-BS) | PUHY-P500YSKB-A1(-BS) |
|--------------------------------------|-----------------------|-----------------------|-----------------------|
| Outdoor unit 1 | PUHY-P200YKB-A1(-BS) | PUHY-P250YKB-A1(-BS) | PUHY-P250YKB-A1(-BS) |
| Outdoor unit 2 | PUHY-P200YKB-A1(-BS) | PUHY-P200YKB-A1(-BS) | PUHY-P250YKB-A1(-BS) |
| Outdoor Twinning Kit(optional parts) | CMY-Y100VBK3 | | |
| Indoor unit~Twinning pipe | Liquid a | ø12.7 | ø15.88 |
| | Gas b | ø28.58 | |

| Twinning pipe~Outdoor unit | Unit model | Liquid | Gas |
|----------------------------|--------------|--------|--------|
| | P200 P250 | c or e | d or f |

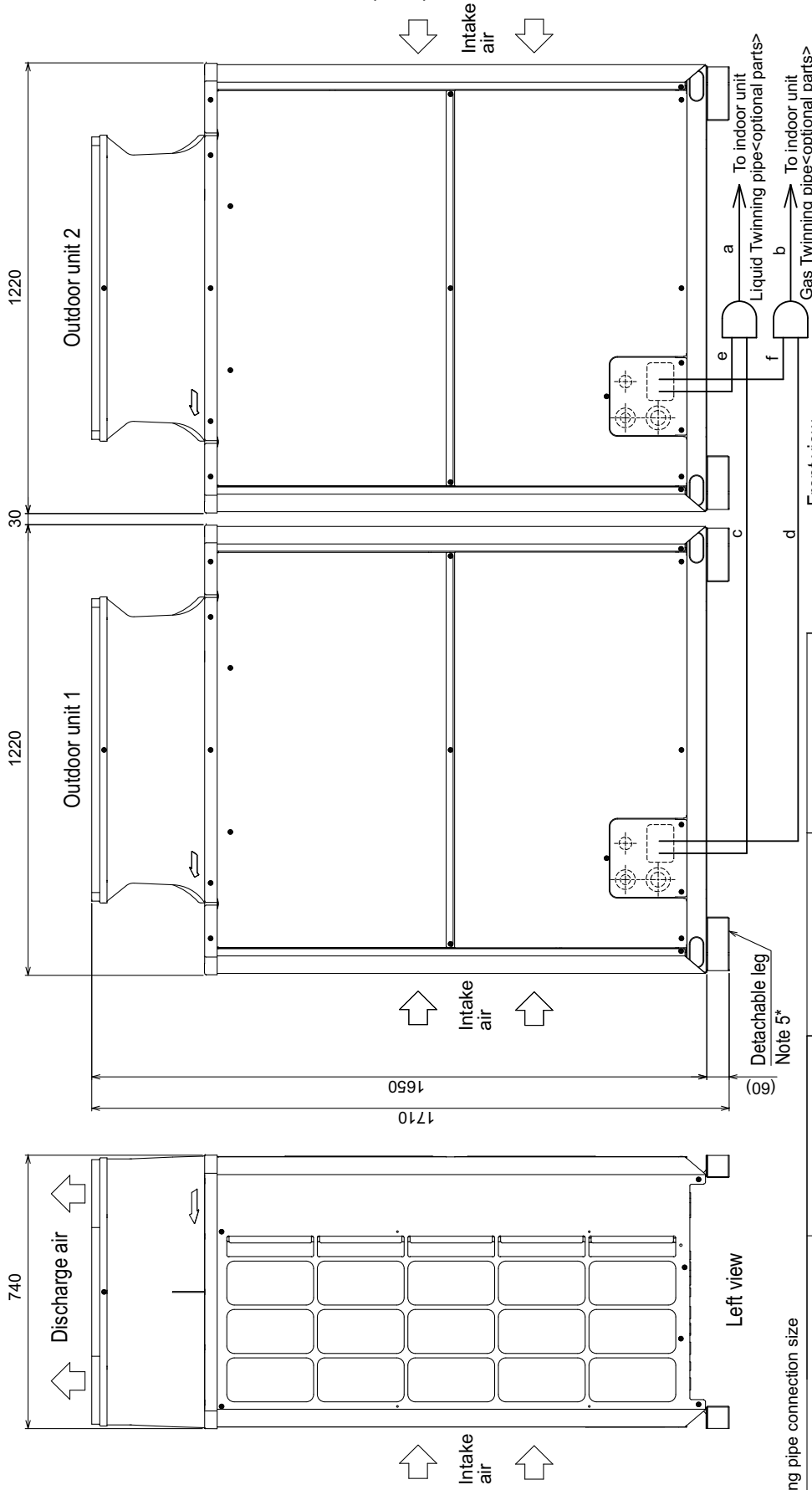
Unit : mm

- Note 1. Connect the pipes as shown in the figure above. Refer to the table above for the pipe size.
 2. Twinning pipes should not be tilted more than 15 degrees from the horizontal plane.
 Be sure to see the Installation Manual for details of Twinning pipe installation.
 3. The pipe section before the Twinning pipe (sections "a" and "b" in the figure) must have at least 500mm of straight section (*including the straight pipe that is supplied with the Twinning pipe).
 4. Only use the Twinning pipe by Mitsubishi (optional parts).
 5. The detachable leg can be removed at site.



PUHY-P650, 700, 750YSKB-A1(-BS)

Unit : mm

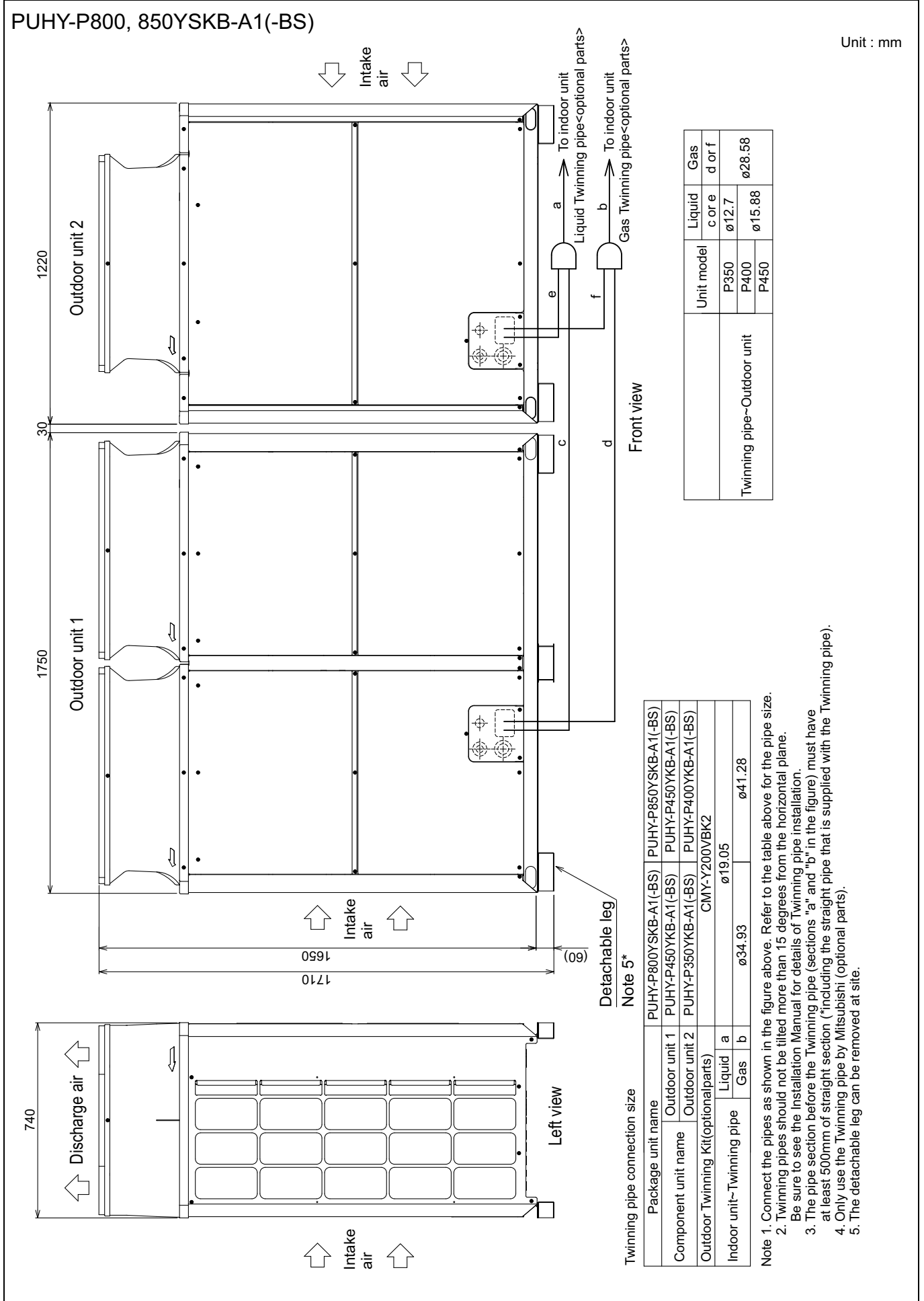


| | | | |
|----------------------------|------------|--------|--------|
| Twinning pipe~Outdoor unit | Unit model | Liquid | Gas |
| | P300 | c or e | d or f |
| | P350 | ø12.7 | ø22.2 |
| | P400 | ø15.88 | ø28.58 |

Twinning pipe connection size

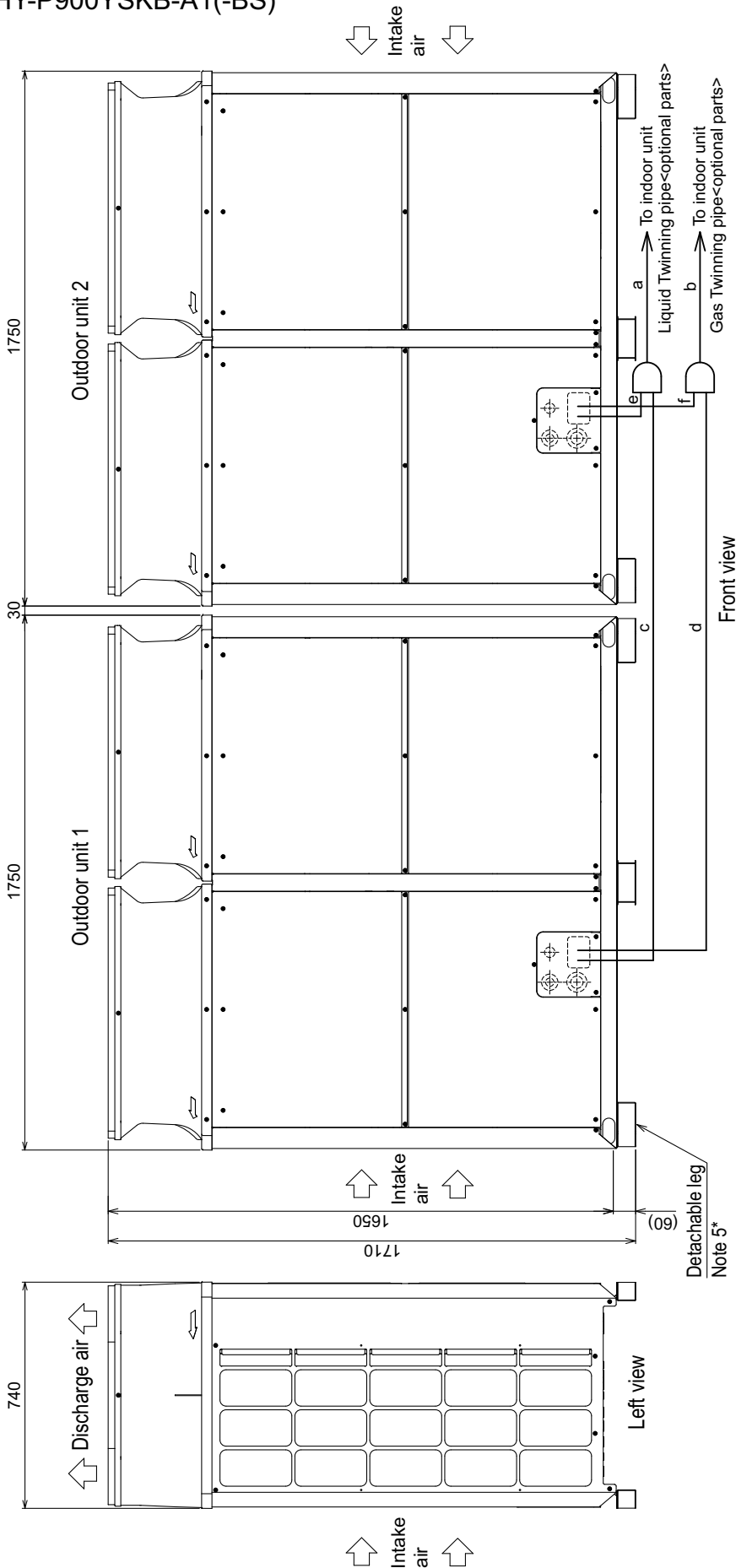
| Package unit name | PUHY-P650YSKB-A1(-BS) | PUHY-P700YSKB-A1(-BS) | PUHY-P750YSKB-A1(-BS) |
|--------------------------------------|-----------------------|-----------------------|-----------------------|
| Outdoor unit 1 | PUHY-P350YKB-A1(-BS) | PUHY-P350YKB-A1(-BS) | PUHY-P400YKB-A1(-BS) |
| Outdoor unit 2 | PUHY-P300YKB-A1(-BS) | PUHY-P350YKB-A1(-BS) | PUHY-P350YKB-A1(-BS) |
| Outdoor Twinning Kit(optional parts) | CMY-Y100VBK3 | | |
| Indoor unit~Twinning pipe | Liquid | CMY-Y200VBK2 | |
| | Gas | ø15.88 | ø19.05 |
| | | ø28.58 | ø34.93 |

- Note 1. Connect the pipes as shown in the figure above. Refer to the table above for the pipe size.
 2. Twinning pipes should not be tilted more than 15 degrees from the horizontal plane. Be sure to see the Installation Manual for details of Twinning pipe installation.
 3. The pipe section before the Twinning pipe (sections "a" and "b" in the figure) must have at least 500mm of straight section (*including the straight pipe that is supplied with the Twinning pipe).
 4. Only use the Twinning pipe by Mitsubishi (optional parts).
 5. The detachable leg can be removed at site.



PUHY-P900YSKB-A1(-BS)

Unit : mm

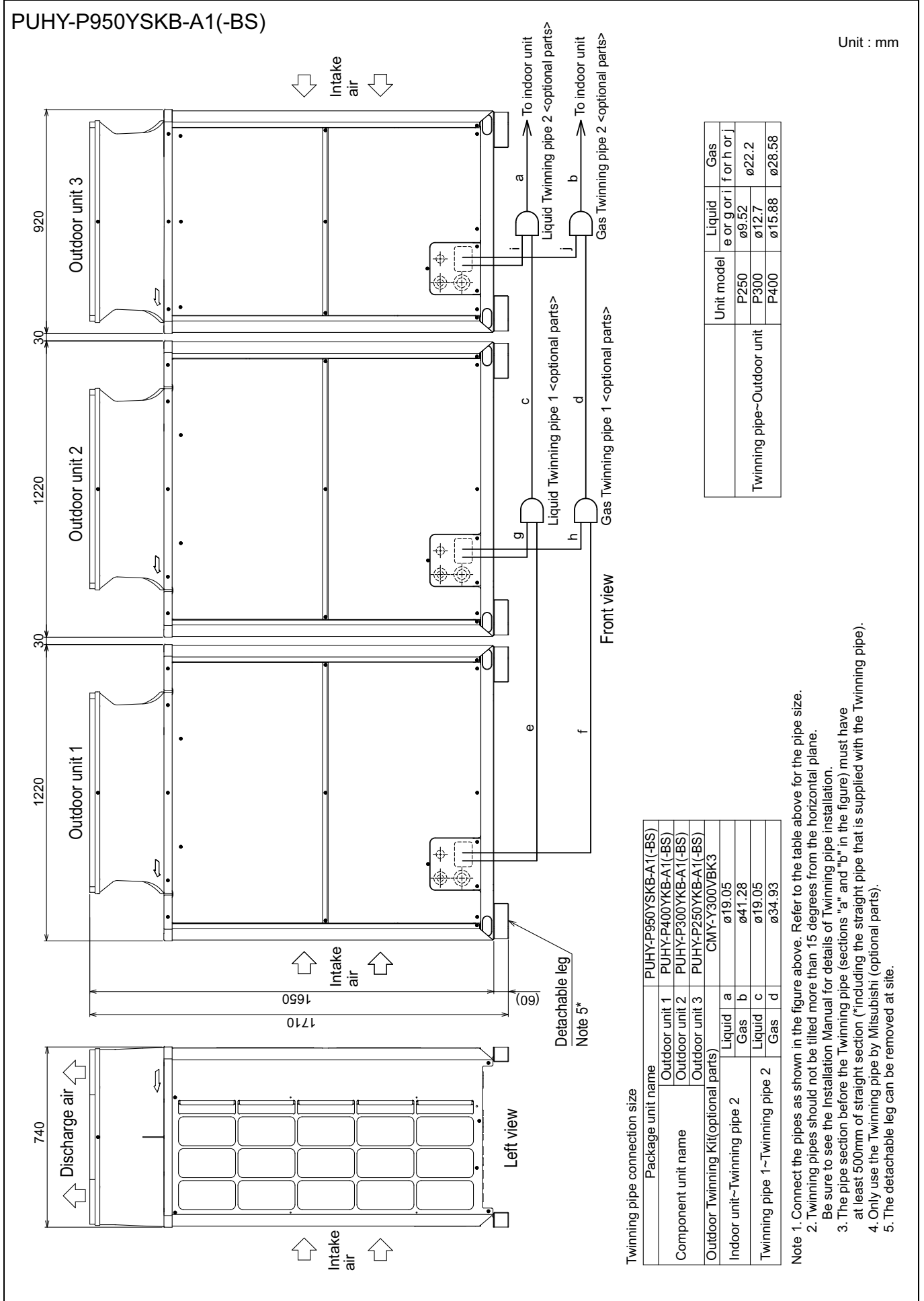


Twinning pipe connection size

| | |
|--------------------------------------|----------------------------------|
| Package unit name | PUHY-P900YSKB-A1(-BS) |
| Component unit name | Outdoor unit 1 Outdoor unit 2 |
| Outdoor Twinning Kit(optional parts) | CMY-Y200V/BK2 |
| Indoor unit~Twinning pipe | Liquid |
| | Gas |
| | a b |
| | ø19.05 ø41.28 |

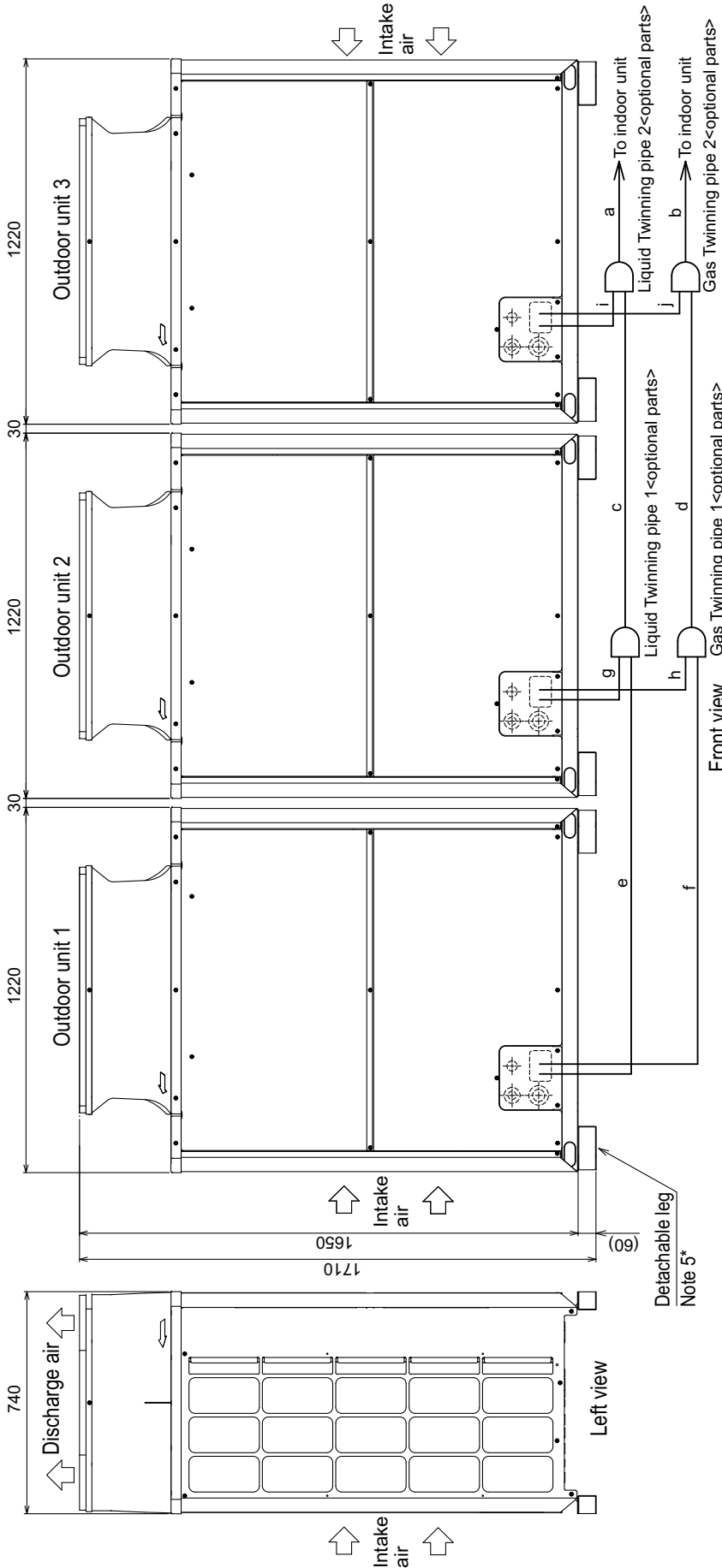
1. Connect the pipes as shown in the figure above. Refer to the table above for the pipe size.
2. Twinning pipes should not be tilted more than 15 degrees from the horizontal plane. Be sure to see the Installation Manual for details of Twinning pipe installation.
3. The pipe section before the Twinning pipe (sections "a" and "b" in the figure) must have at least 500mm of straight section (*including the straight pipe that is supplied with the Twinning pipe).
4. Only use the Twinning pipe by Mitsubishi (optional parts).
5. The detachable leg can be removed at site.

| | | | |
|--|------------|------------------|---------------|
| | Unit model | Liquid c or e | Gas d or f |
| | P450 | ø15.88 | ø28.58 |



PUHY-P1000, 1050, 1100YSKB-A1(-BS)

Unit : mm

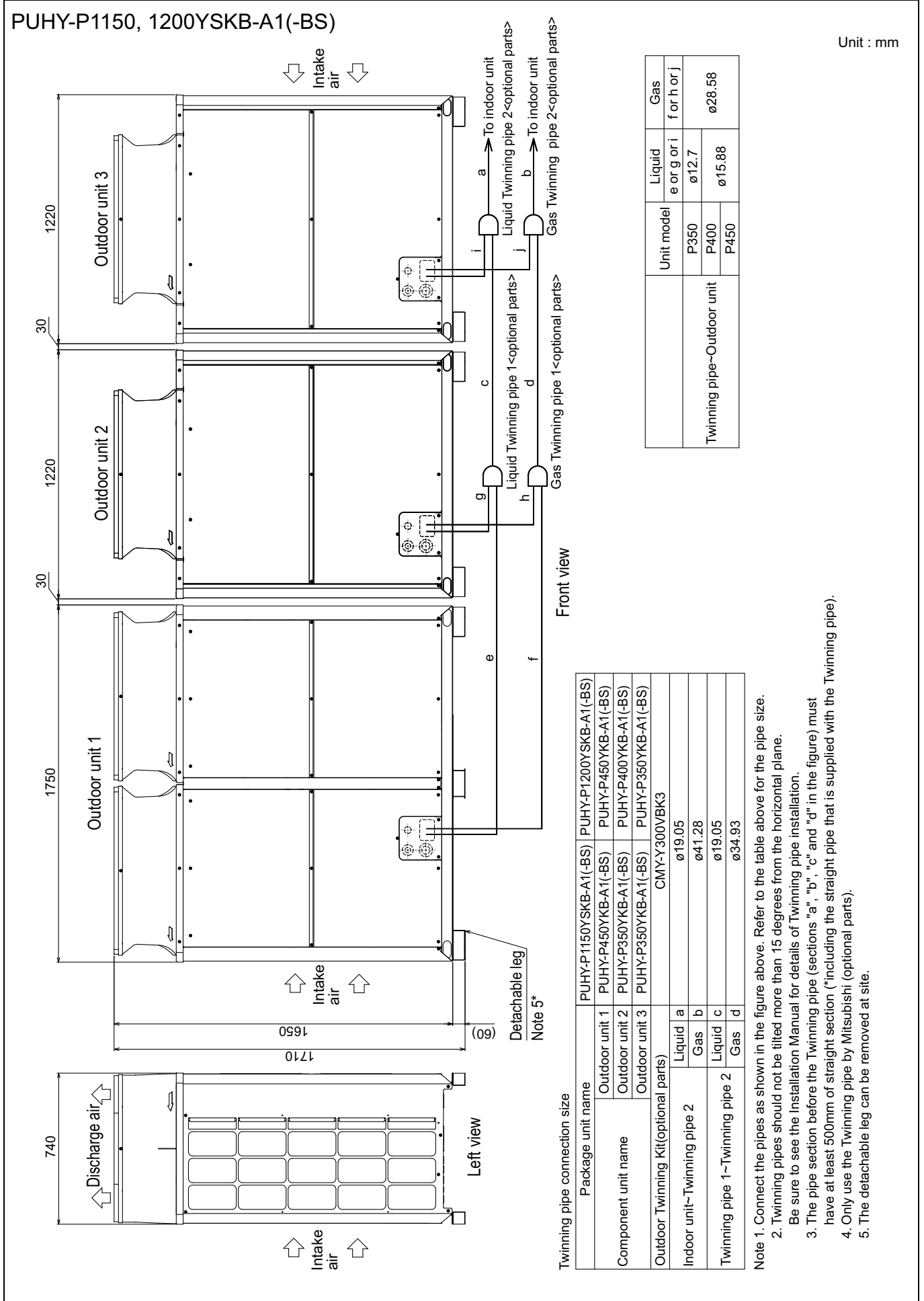


Twinning pipe connection size

| Package unit name | PUHY-P1000YSKB-A1(-BS) | PUHY-P1050YSKB-A1(-BS) | PUHY-P1100YSKB-A1(-BS) |
|--------------------------------------|------------------------|------------------------|------------------------|
| Outdoor unit 1 | PUHY-P400YKB-A1(-BS) | PUHY-P400YKB-A1(-BS) | PUHY-P400YKB-A1(-BS) |
| Outdoor unit 2 | PUHY-P300YKB-A1(-BS) | PUHY-P350YKB-A1(-BS) | PUHY-P350YKB-A1(-BS) |
| Outdoor unit 3 | PUHY-P300YKB-A1(-BS) | PUHY-P300YKB-A1(-BS) | PUHY-P350YKB-A1(-BS) |
| Outdoor Twinning Kit(optional parts) | CMY-Y300VBK3 | | |
| Indoor unit- Twinning pipe 2 | Liquid | ø19.05 | |
| | Gas | ø41.28 | |
| Twinning pipe 1- Twinning pipe 2 | Liquid | ø19.05 | |
| | Gas | ø34.93 | |

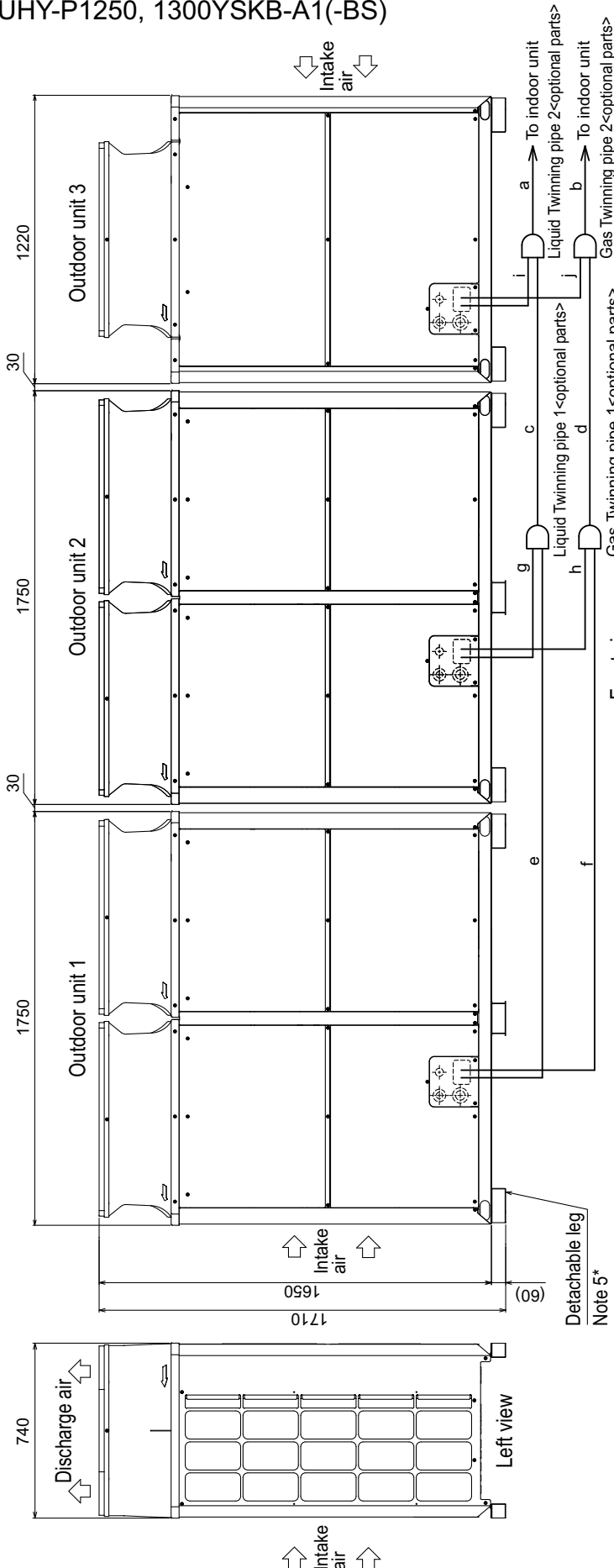
| Unit model | Liquid | Gas |
|------------|--------|--------|
| P300 | ø12.7 | ø22.2 |
| P350 | | ø28.58 |
| P400 | ø15.88 | |

- Note 1. Connect the pipes as shown in the figure above. Refer to the table above for the pipe size.
 2. Twinning pipes should not be tilted more than 15 degrees from the horizontal plane.
 Be sure to see the Installation Manual for details of Twinning pipe installation.
 3. The pipe section before the Twinning pipe (sections "a" and "b" in the figure) must have at least 500mm of straight section (*including the straight pipe that is supplied with the Twinning pipe).
 4. Only use the Twinning pipe by Mitsubishi (optional parts).
 5. The detachable leg can be removed at site.



PUHY-P1250, 1300YSKB-A1(-BS)

Unit : mm



Front view

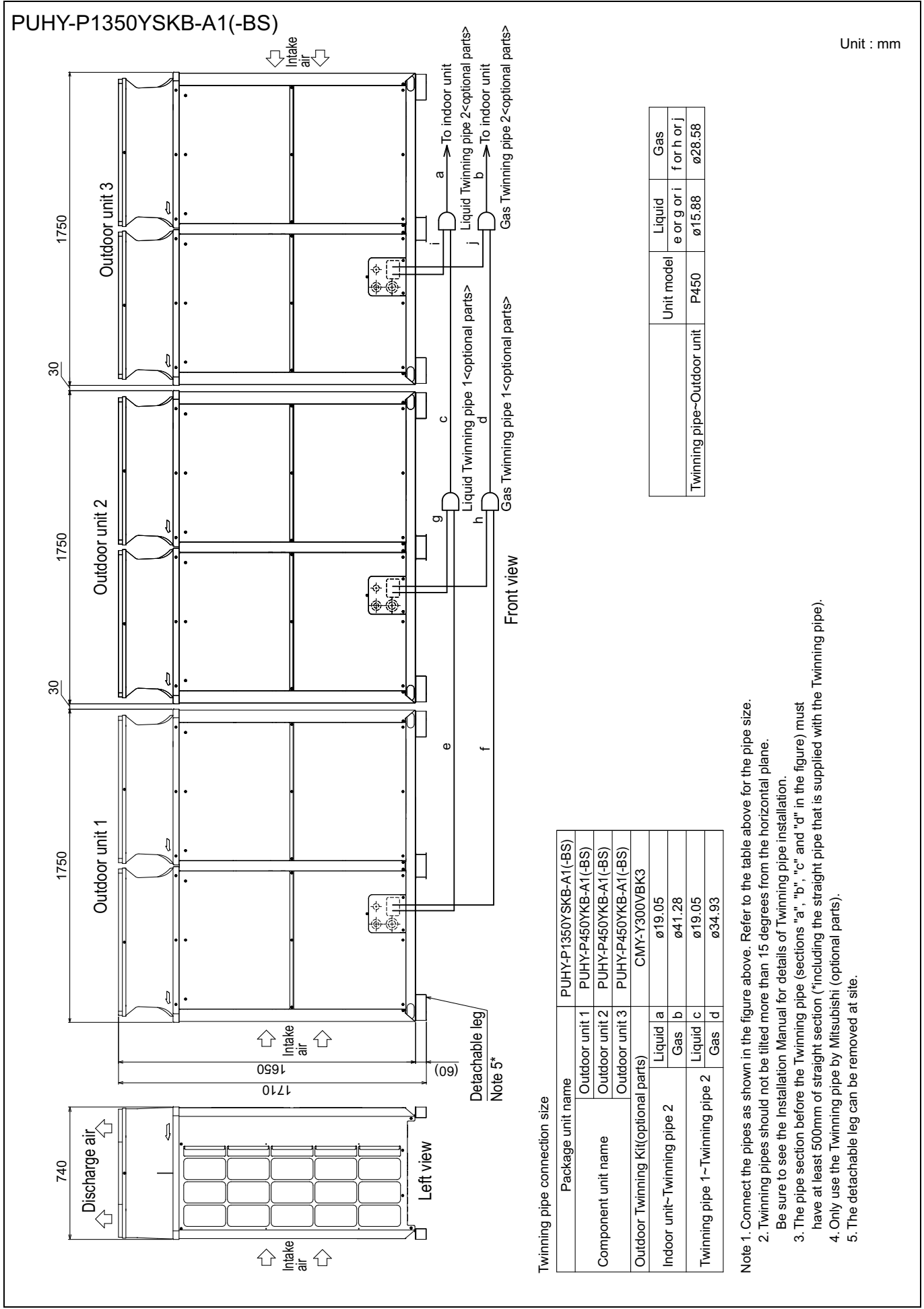
Left view

Twinning pipe connection size

| Package unit name | PUHY-P1250YSKB-A1(-BS) | PUHY-P1300YSKB-A1(-BS) |
|--------------------------------------|------------------------|------------------------|
| Outdoor unit 1 | PUHY-P450YKB-A1(-BS) | PUHY-P450YKB-A1(-BS) |
| Outdoor unit 2 | PUHY-P450YKB-A1(-BS) | PUHY-P450YKB-A1(-BS) |
| Outdoor unit 3 | PUHY-P350YKB-A1(-BS) | PUHY-P400YKB-A1(-BS) |
| Outdoor Twinning Kit(optional parts) | CMY-Y300VBK3 | |
| Indoor unit~Twinning pipe 2 | Liquid a | ø19.05 |
| | Gas b | ø41.28 |
| Twinning pipe 1~Twinning pipe 2 | Liquid c | ø19.05 |
| | Gas d | ø34.93 |

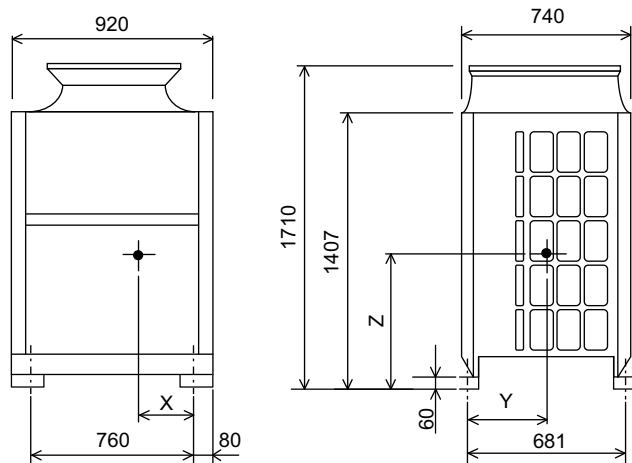
| Twinning pipe~Outdoor unit | Unit model | | Gas for h or j ø28.58 |
|----------------------------|--------------------------------|------------------------------|-----------------------------|
| | Liquid e or g or i ø12.7 | Gas f or h or j ø15.88 | |
| Twinning pipe~Outdoor unit | P350 | | |
| | P400 | | |
| | P450 | | |

- Note 1. Connect the pipes as shown in the figure above. Refer to the table above for the pipe size.
- Note 2. Twinning pipes should not be tilted more than 15 degrees from the horizontal plane. Be sure to see the Installation Manual for details of Twinning pipe installation.
- Note 3. The pipe section before the Twinning pipe (sections "a", "b", "c" and "d" in the figure) must have at least 500mm of straight section (*including the straight pipe that is supplied with the Twinning pipe).
- Note 4. Only use the Twinning pipe by Mitsubishi (optional parts).
- Note 5. The detachable leg can be removed at site.



Y

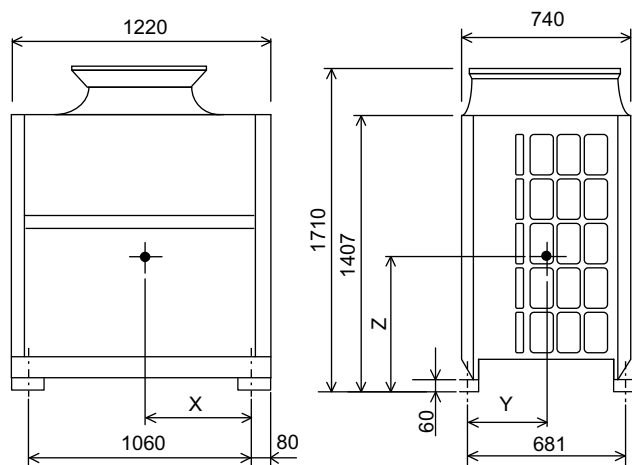
PUHY-P200, 250YKB-A1 (-BS)



Unit : mm

| Model | X | Y | Z |
|----------------------|-----|-----|-----|
| PUHY-P200YKB-A1(-BS) | 338 | 300 | 667 |
| PUHY-P250YKB-A1(-BS) | 338 | 310 | 680 |

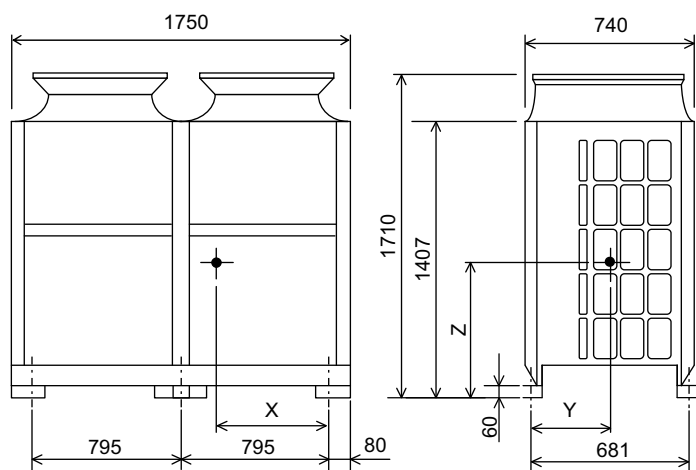
PUHY-P300, 350, 400YKB-A1 (-BS)



Unit : mm

| Model | X | Y | Z |
|----------------------|-----|-----|-----|
| PUHY-P300YKB-A1(-BS) | 446 | 317 | 636 |
| PUHY-P350YKB-A1(-BS) | 446 | 317 | 636 |
| PUHY-P400YKB-A1(-BS) | 446 | 317 | 636 |

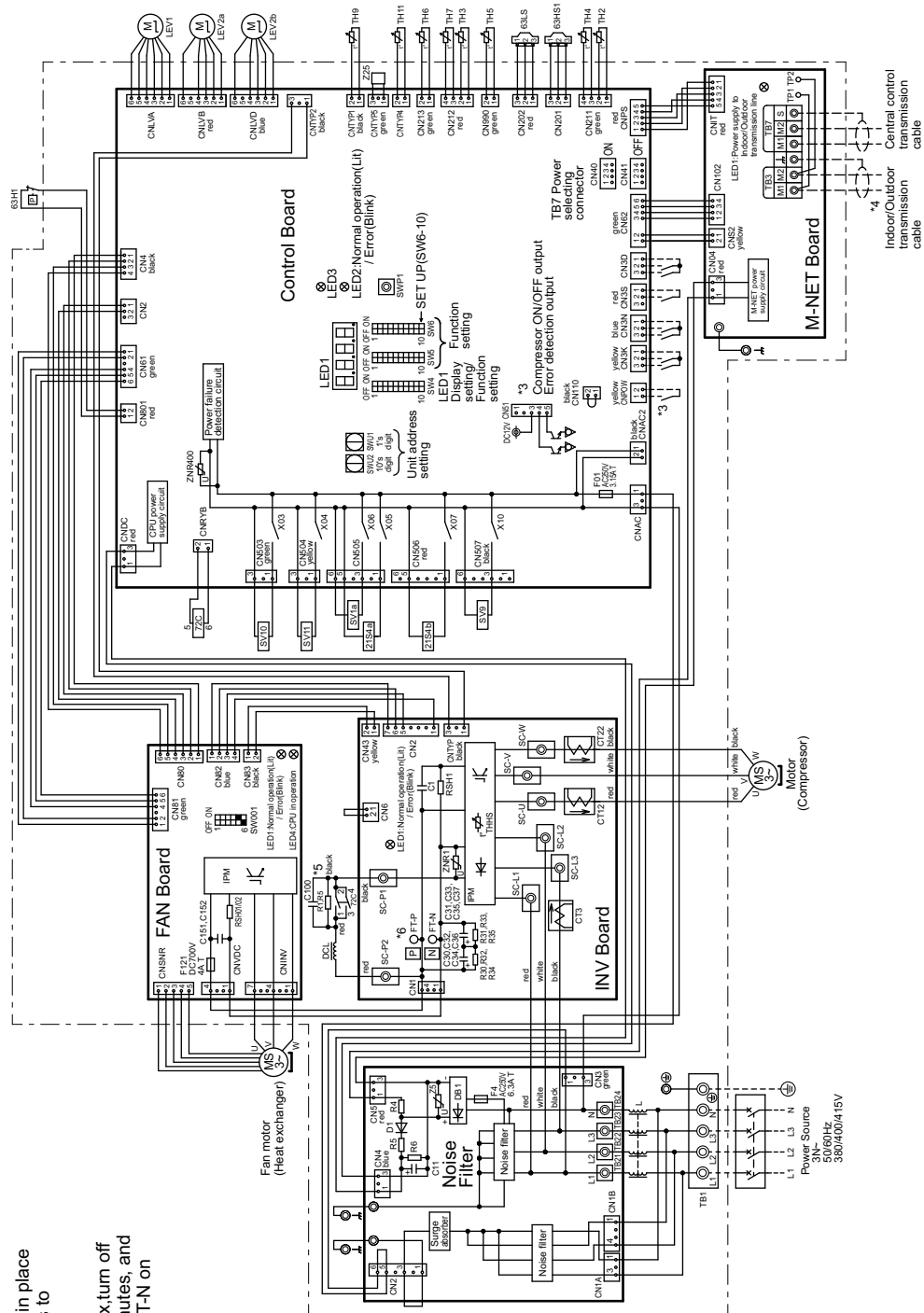
PUHY-P450, 500YKB-A1 (-BS)



Unit : mm

| Model | X | Y | Z |
|----------------------|-----|-----|-----|
| PUHY-P450YKB-A1(-BS) | 707 | 319 | 718 |
| PUHY-P500YKB-A1(-BS) | 707 | 319 | 718 |

PUHY-P200, 250, 300, 350, 400YKB-A1(-BS)

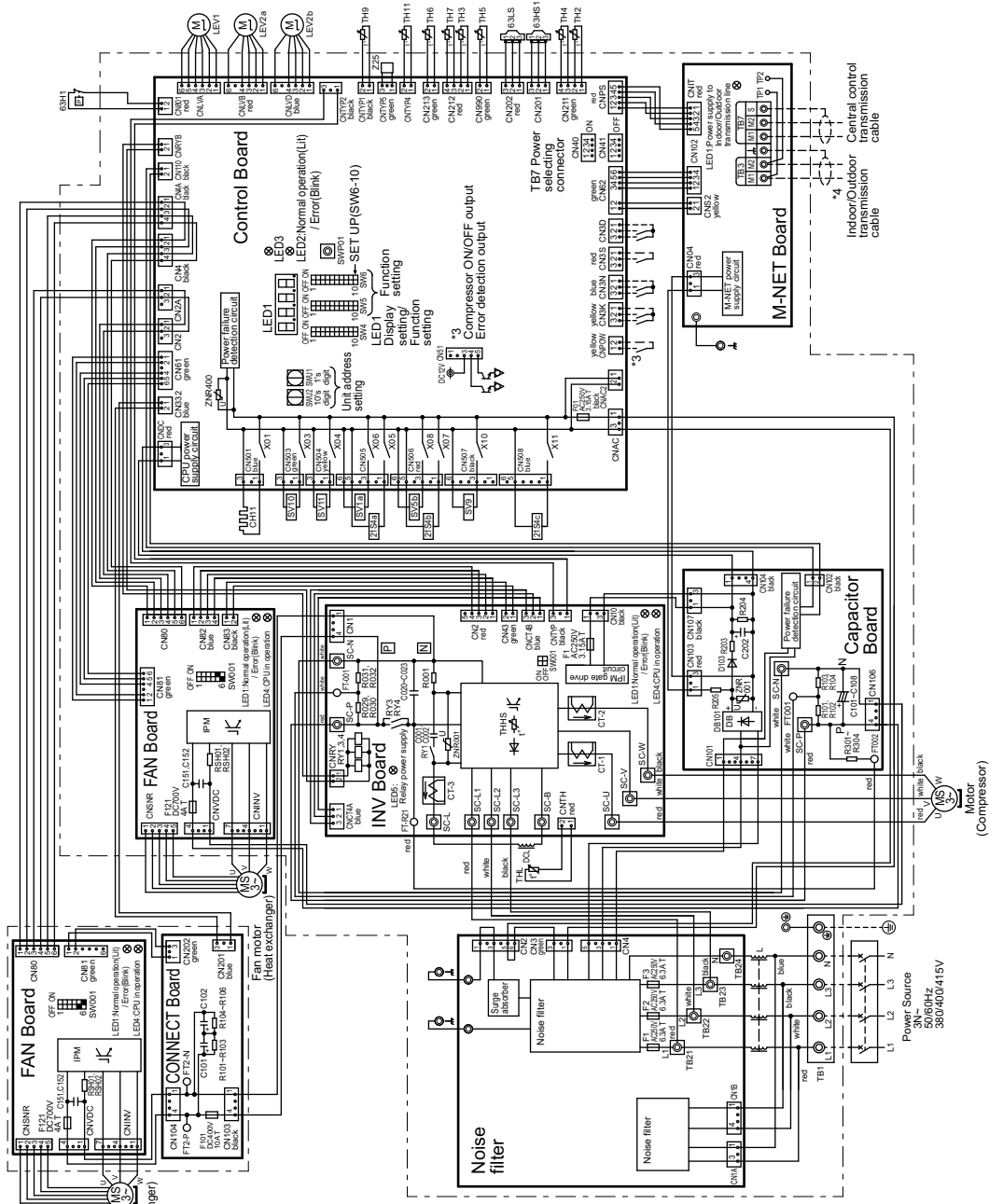


- *1 Single-dotted lines indicate wiring not supplied with the unit.
- *2 Dot-dash lines indicate the control box boundaries.
- *3 Refer to the Data book for connecting input/output signal connectors.
- *4 Daisy-chain terminals (TB3) on the outdoor units in the same refrigerant system together.
- *5 Faston terminals have a locking function. Make sure the terminals are securely locked in place after insertion. Press the tab on the terminals to removed them.
- *6 Control box houses high-voltage parts. Before inspecting the inside of the control box, turn off the power, keep the unit off for at least 10 minutes, and confirm that the voltage between FT-P and FT-N on INV Board has dropped to DC20V or less.

<Symbol explanation>

| Symbol | Explanation |
|---------------|--|
| 2/TS4a | 4-way valve |
| 2/TS4b | Cooling/Heating switching |
| 6/SH1 | Heat exchanger capacity control |
| 6/SH2 | High pressure protection for the outdoor unit |
| 6/SH3 | Discharge pressure |
| 6/SL | Pressure sensor |
| 7/2C | Magnetic relay (inverter main circuit) |
| C/30-C/37 | Capacitor (inverter main circuit) |
| C/12/C/22/C/3 | Current sensor (AC) |
| DCL | DC reactor |
| L | Choke coil (for high frequency noise reduction) |
| LEV1 | Linear expansion valve |
| LEV2a,b | HIC bypass Controls refrigerant flow in HIC circuit |
| R1, E | Pressure control, Refrigerant flow rate control |
| SMH1/02/RSHT | For inrush current prevention |
| SV1a | For opening/closing the bypass circuit under the O/S |
| SV9 | For opening/closing the bypass circuit |
| SV10, SV11 | For opening/closing the defrost circuit |
| TB1 | Power supply |
| TB3 | Terminal block |
| TB7 | Indoor/Outdoor transmission cable |
| TH2 | Central control transmission cable temperature |
| TH3 | Subcool bypass outlet temperature |
| TH4 | Pipe temperature |
| TH4 | Discharge pipe temperature |
| TH5 | ACC inlet pipe temperature |
| TH6 | Subcooled liquid refrigerant temperature |
| TH7 | OA temperature |
| TH9, TH11 | Heat exchanger outlet pipe temperature |
| THHS | IPM temperature |
| ZZ5 | Function setting connector |

PUHY-P450, 500YKB-A1(-BS)

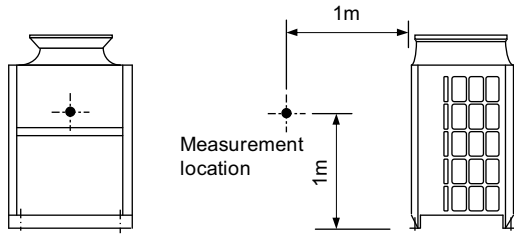


- *1. Single-dotted lines indicate wiring not supplied with the unit.
- *2. Dot-dash lines indicate the control box boundaries.
- *3. Refer to the Data book for connecting input/output signal connectors.
- *4. Daisy-chain terminals (TB3) on the outdoor units in the same refrigerant system together.
- *5. Faston terminals have a locking function. Make sure the terminals are securely locked in place after insertion. Press the tab on the terminals to removed them.
- *6. Control box houses high-voltage parts. Before inspecting the inside of the control box, turn off the power, keep the unit off for at least 10 minutes, and confirm that the voltage between SC-P and SC-N on Capacitor Board has dropped to DC20V or less.

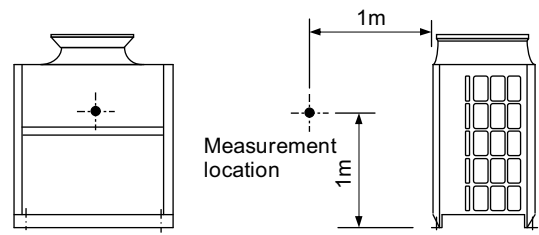
<Symbol explanation>

| Symbol | Explanation |
|------------|---|
| Z1S4a | 4-way valve |
| Z1S4b,c | Cooling/Heating switching |
| 63H1 | Heat exchanger capacity control |
| 63HS1 | Pressure |
| RV1 | High pressure protection for the outdoor unit |
| 63LS | Pressure |
| RV3, RV4 | Discharge pressure |
| C001, C002 | Magnetic sensor |
| CT-1, CT-2 | Relay |
| CT-3 | Inverter main circuit |
| CH1 | Capacitor |
| DCL | DC reactor |
| LEV1 | Linear expansion valve |
| LEV2a, b | Choke coil (for high frequency noise reduction) |
| R307-R304 | HIC bypass. Controls refrigerant flow in HIC circuit |
| R3H1, R3H2 | Pressure control, Refrigerant flow rate control |
| SV1a | For inrush current prevention |
| SV5b | For current detection |
| SV9 | For opening/closing the bypass circuit under the O/S capacity control |
| TV1 | Outdoor unit heat exchanger |
| TV2 | For opening/closing the bypass circuit |
| TV3 | For opening/closing the bypass circuit |
| TV4 | Power supply |
| TV5 | Indoor/Outdoor transmission cable |
| TV6 | Central control transmission cable |
| TV7 | Indoor/Outdoor transmission cable |
| TV8 | Indoor/Outdoor transmission cable |
| TV9 | Indoor/Outdoor transmission cable |
| TH1 | Discharge pipe temperature |
| TH2 | ACC inlet pipe temperature |
| TH3 | Subcooled liquid refrigerant temperature |
| TH4 | OA temperature |
| TH5 | Heat exchanger outlet pipe temperature |
| TH6 | IPM temperature |
| TH7 | IPM temperature |
| TH8 | IPM temperature |
| TH9 | IPM temperature |
| TH10 | IPM temperature |
| TH11 | IPM temperature |
| TH12 | IPM temperature |
| TH13 | IPM temperature |
| TH14 | IPM temperature |
| TH15 | IPM temperature |
| TH16 | IPM temperature |
| TH17 | IPM temperature |
| TH18 | IPM temperature |
| TH19 | IPM temperature |
| TH20 | IPM temperature |
| TH21 | IPM temperature |
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| TH154 | IPM temperature |
| TH155 | IPM temperature |
| TH156 | IPM temperature |
| TH157 | IPM temperature |
| TH158 | IPM temperature |
| TH159 | IPM temperature |
| TH160 | IPM temperature |
| TH161 | IPM temperature |
| TH162 | IPM temperature |
| TH163 | IPM temperature |
| TH164 | IPM temperature |
| TH165 | IPM temperature |
| TH166 | IPM temperature |
| TH167 | IPM temperature |
| TH168 | IPM temperature |
| TH169 | IPM temperature |
| TH170 | IPM temperature |
| TH171 | IPM temperature |
| TH172 | IPM temperature |
| TH173 | IPM temperature |
| TH174 | IPM temperature |
| TH175 | IPM temperature |
| TH176 | IPM temperature |
| TH177 | IPM temperature |
| TH178 | IPM temperature |
| TH179 | IPM temperature |
| TH180 | IPM temperature |
| TH181 | IPM temperature |
| TH182 | IPM temperature |
| TH183 | IPM temperature |
| TH184 | IPM temperature |
| TH185 | IPM temperature |
| TH186 | IPM temperature |
| TH187 | IPM temperature |
| TH188 | IPM temperature |
| TH189 | IPM temperature |
| TH190 | IPM temperature |
| TH191 | IPM temperature |
| TH192 | IPM temperature |
| TH193 | IPM temperature |
| TH194 | IPM temperature |
| TH195 | IPM temperature |
| TH196 | IPM temperature |
| TH197 | IPM temperature |
| TH198 | IPM temperature |
| TH199 | IPM temperature |
| TH200 | IPM temperature |

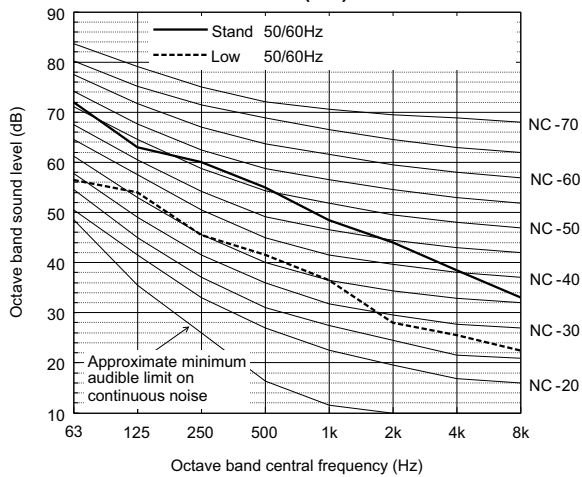
Measurement condition
PUHY-P200, 250YKB-A1(-BS)



Measurement condition
PUHY-P300, 350, 400YKB-A1(-BS)



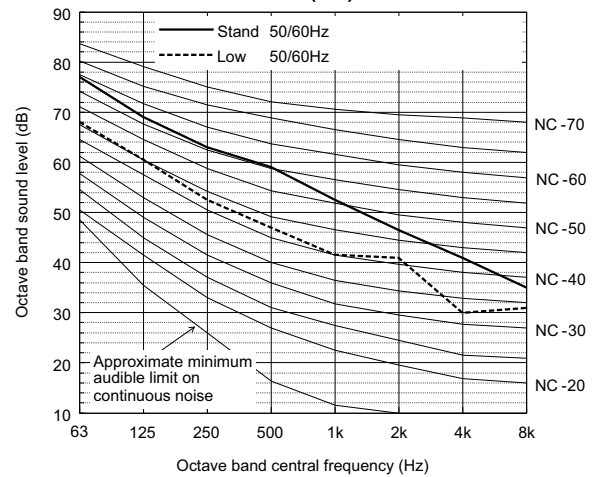
Sound level of PUHY-P200YKB-A1(-BS)



| | | 63 | 125 | 250 | 500 | 1k | 2k | 4k | 8k | dB(A) |
|----------------|---------|------|------|------|------|------|------|------|------|-------|
| Standard | 50/60Hz | 72.0 | 63.0 | 60.0 | 55.0 | 48.5 | 44.0 | 38.5 | 33.0 | 57.0 |
| Low noise mode | 50/60Hz | 56.5 | 54.0 | 45.5 | 41.5 | 36.5 | 28.0 | 25.5 | 22.5 | 44.0 |

When Low noise mode is set, the A/C system's capacity is limited. The system could return to normal operation from Low noise mode automatically in the case that the operation condition is severe.

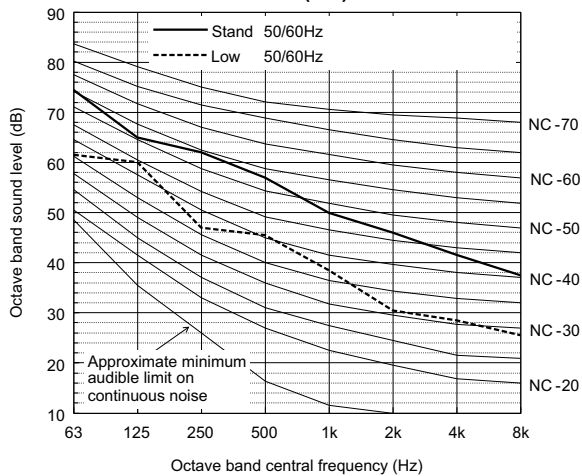
Sound level of PUHY-P300YKB-A1(-BS)



| | | 63 | 125 | 250 | 500 | 1k | 2k | 4k | 8k | dB(A) |
|----------------|---------|------|------|------|------|------|------|------|------|-------|
| Standard | 50/60Hz | 77.0 | 69.0 | 63.0 | 59.0 | 52.5 | 46.5 | 41.0 | 35.0 | 61.0 |
| Low noise mode | 50/60Hz | 68.0 | 60.5 | 52.5 | 47.0 | 41.5 | 41.0 | 30.0 | 31.0 | 51.0 |

When Low noise mode is set, the A/C system's capacity is limited. The system could return to normal operation from Low noise mode automatically in the case that the operation condition is severe.

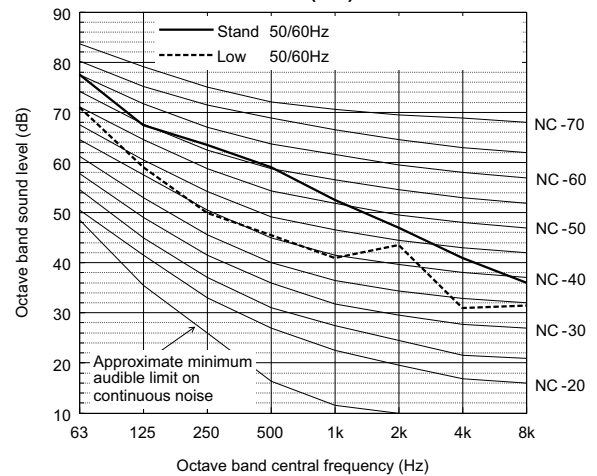
Sound level of PUHY-P250YKB-A1(-BS)



| | | 63 | 125 | 250 | 500 | 1k | 2k | 4k | 8k | dB(A) |
|----------------|---------|------|------|------|------|------|------|------|------|-------|
| Standard | 50/60Hz | 74.5 | 65.0 | 62.0 | 57.0 | 50.0 | 46.0 | 41.5 | 37.5 | 59.0 |
| Low noise mode | 50/60Hz | 61.5 | 60.0 | 47.0 | 45.5 | 38.5 | 30.5 | 28.5 | 25.5 | 48.0 |

When Low noise mode is set, the A/C system's capacity is limited. The system could return to normal operation from Low noise mode automatically in the case that the operation condition is severe.

Sound level of PUHY-P350YKB-A1(-BS)



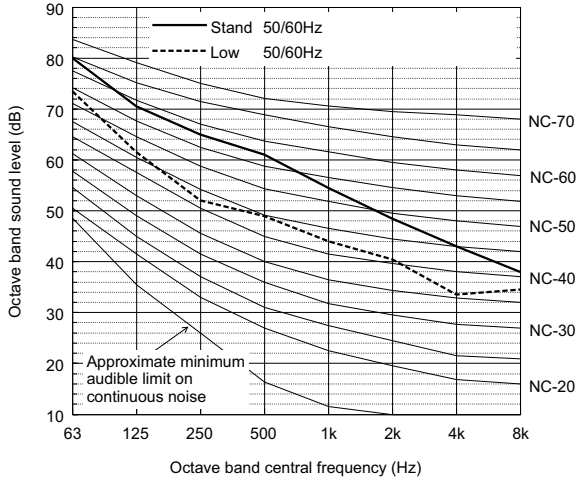
| | | 63 | 125 | 250 | 500 | 1k | 2k | 4k | 8k | dB(A) |
|----------------|---------|------|------|------|------|------|------|------|------|-------|
| Standard | 50/60Hz | 77.5 | 67.5 | 63.5 | 59.0 | 52.5 | 47.0 | 41.0 | 36.0 | 61.0 |
| Low noise mode | 50/60Hz | 71.0 | 59.0 | 50.0 | 45.5 | 41.0 | 43.5 | 31.0 | 31.5 | 51.0 |

When Low noise mode is set, the A/C system's capacity is limited. The system could return to normal operation from Low noise mode automatically in the case that the operation condition is severe.

• Depending on the operation conditions, the unit generates noise caused by valve actuation, refrigerant flow, and pressure changes when operating normally. Please consider to avoid location where quietness is required.

Y

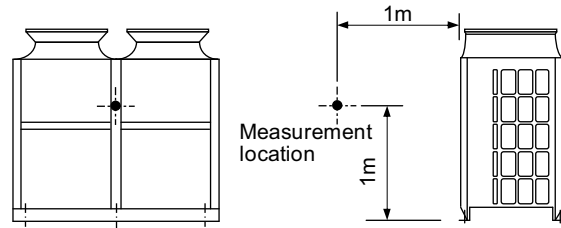
Sound level of PUHY-P400YKB-A1(-BS)



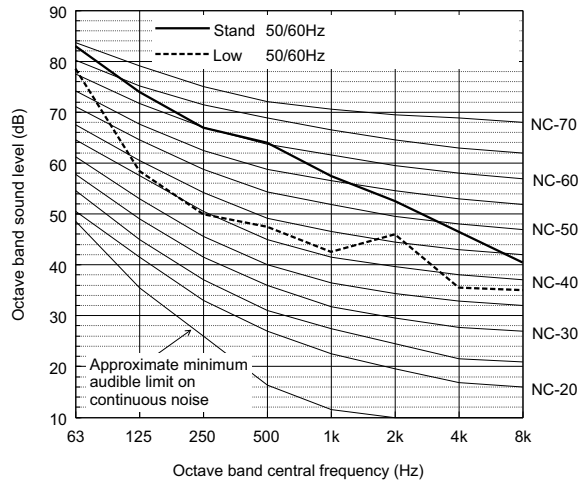
| | | 63 | 125 | 250 | 500 | 1k | 2k | 4k | 8k | dB(A) |
|----------------|---------|------|------|------|------|------|------|------|------|-------|
| Standard | 50/60Hz | 80.0 | 70.5 | 65.0 | 61.0 | 54.5 | 48.5 | 43.0 | 38.0 | 63.0 |
| Low noise mode | 50/60Hz | 73.5 | 61.5 | 52.0 | 49.0 | 44.0 | 40.5 | 33.5 | 34.5 | 53.0 |

When Low noise mode is set, the A/C system's capacity is limited. The system could return to normal operation from Low noise mode automatically in the case that the operation condition is severe.

Measurement condition
PUHY-P450, 500YKB-A1(-BS)



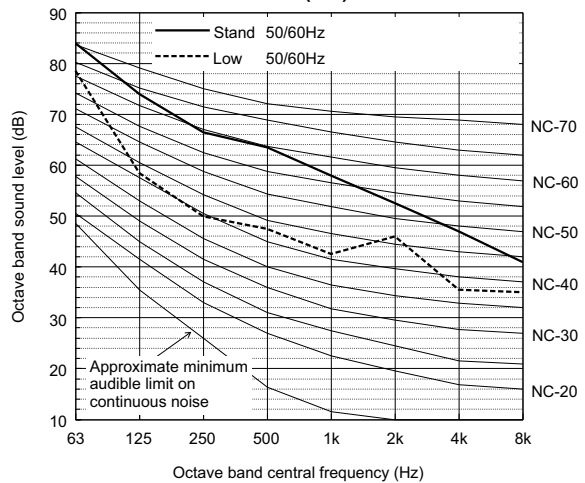
Sound level of PUHY-P450YKB-A1(-BS)



| | | 63 | 125 | 250 | 500 | 1k | 2k | 4k | 8k | dB(A) |
|----------------|---------|------|------|------|------|------|------|------|------|-------|
| Standard | 50/60Hz | 83.0 | 74.0 | 67.0 | 64.0 | 57.5 | 52.5 | 46.5 | 40.5 | 66.0 |
| Low noise mode | 50/60Hz | 78.5 | 58.5 | 50.0 | 47.5 | 42.5 | 46.0 | 35.5 | 35.0 | 55.0 |

When Low noise mode is set, the A/C system's capacity is limited. The system could return to normal operation from Low noise mode automatically in the case that the operation condition is severe.

Sound level of PUHY-P500YKB-A1(-BS)

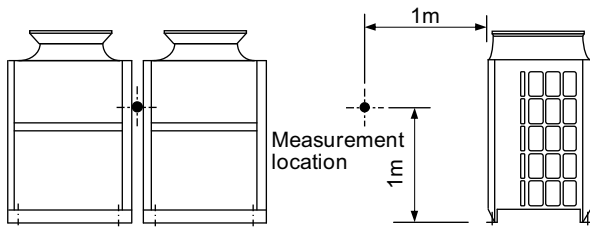


| | | 63 | 125 | 250 | 500 | 1k | 2k | 4k | 8k | dB(A) |
|----------------|---------|------|------|------|------|------|------|------|------|-------|
| Standard | 50/60Hz | 84.0 | 74.0 | 66.5 | 63.5 | 58.0 | 52.5 | 47.0 | 41.0 | 66.0 |
| Low noise mode | 50/60Hz | 78.5 | 58.5 | 50.0 | 47.5 | 42.5 | 46.0 | 35.5 | 35.0 | 55.0 |

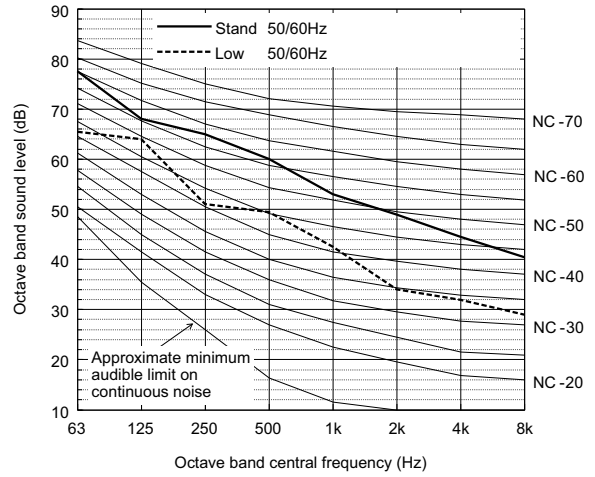
When Low noise mode is set, the A/C system's capacity is limited. The system could return to normal operation from Low noise mode automatically in the case that the operation condition is severe.

• Depending on the operation conditions, the unit generates noise caused by valve actuation, refrigerant flow, and pressure changes when operating normally. Please consider to avoid location where quietness is required.

Measurement condition
PUHY-P400, 450, 500YSKB-A1(-BS)



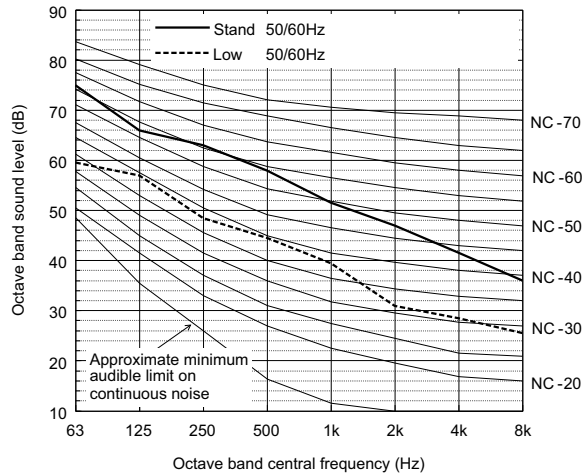
Sound level of PUHY-P500YSKB-A1(-BS)



| | | 63 | 125 | 250 | 500 | 1k | 2k | 4k | 8k | dB(A) |
|----------------|---------|------|------|------|------|------|------|------|------|-------|
| Standard | 50/60Hz | 77.5 | 68.0 | 65.0 | 60.0 | 53.0 | 49.0 | 44.5 | 40.5 | 62.0 |
| Low noise mode | 50/60Hz | 65.5 | 64.0 | 51.0 | 49.5 | 42.5 | 34.0 | 32.0 | 29.0 | 52.0 |

When Low noise mode is set, the A/C system's capacity is limited. The system could return to normal operation from Low noise mode automatically in the case that the operation condition is severe.

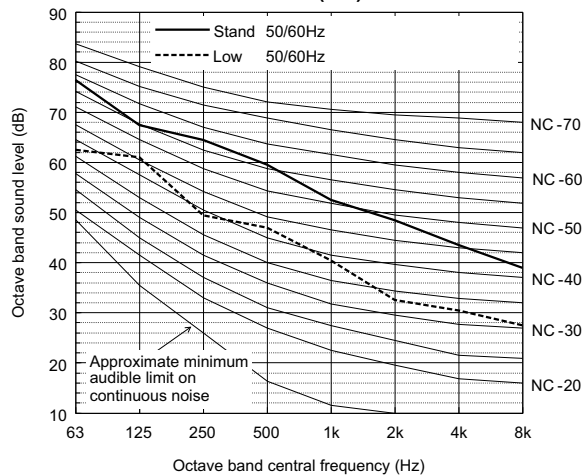
Sound level of PUHY-P400YSKB-A1(-BS)



| | | 63 | 125 | 250 | 500 | 1k | 2k | 4k | 8k | dB(A) |
|----------------|---------|------|------|------|------|------|------|------|------|-------|
| Standard | 50/60Hz | 75.0 | 66.0 | 63.0 | 58.0 | 51.5 | 47.0 | 41.5 | 36.0 | 60.0 |
| Low noise mode | 50/60Hz | 59.5 | 57.0 | 48.5 | 44.5 | 39.5 | 31.0 | 28.5 | 25.5 | 47.0 |

When Low noise mode is set, the A/C system's capacity is limited. The system could return to normal operation from Low noise mode automatically in the case that the operation condition is severe.

Sound level of PUHY-P450YSKB-A1(-BS)



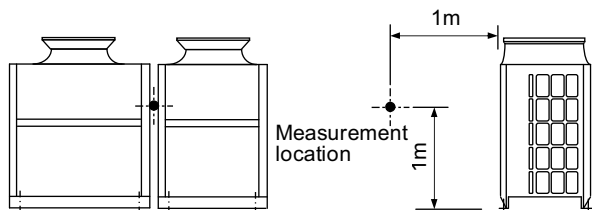
| | | 63 | 125 | 250 | 500 | 1k | 2k | 4k | 8k | dB(A) |
|----------------|---------|------|------|------|------|------|------|------|------|-------|
| Standard | 50/60Hz | 76.5 | 67.5 | 64.5 | 59.5 | 52.5 | 48.5 | 43.5 | 39.0 | 61.5 |
| Low noise mode | 50/60Hz | 62.5 | 61.0 | 49.5 | 47.0 | 40.5 | 32.5 | 30.5 | 27.5 | 49.5 |

When Low noise mode is set, the A/C system's capacity is limited. The system could return to normal operation from Low noise mode automatically in the case that the operation condition is severe.

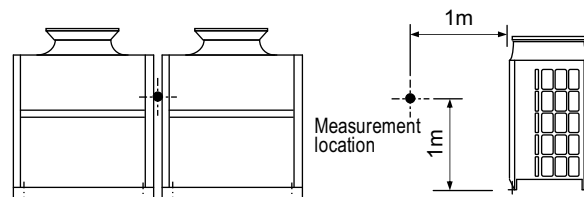
◆ Depending on the operation conditions, the unit generates noise caused by valve actuation, refrigerant flow, and pressure changes when operating normally. Please consider to avoid location where quietness is required.

Y

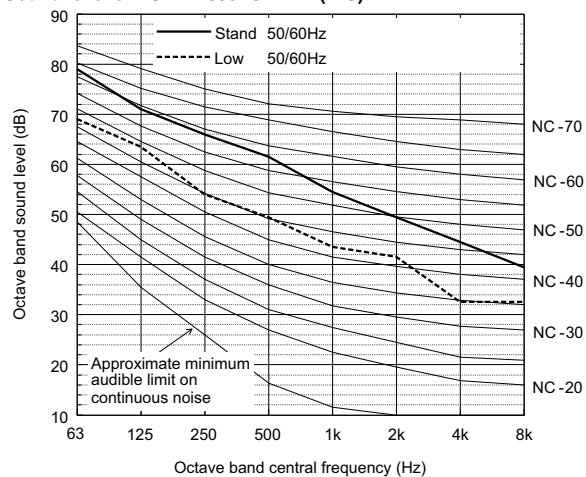
Measurement condition
PUHY-P550, 600YSKB-A1(-BS)



Measurement condition
PUHY-P650, 700, 750YSKB-A1(-BS)



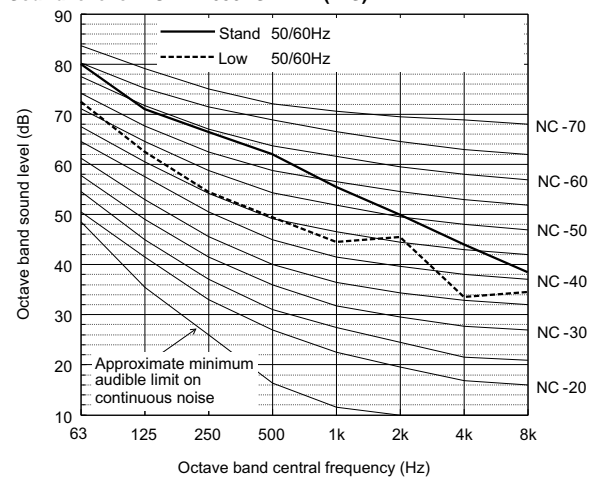
Sound level of PUHY-P550YSKB-A1(-BS)



| | | 63 | 125 | 250 | 500 | 1k | 2k | 4k | 8k | dB(A) |
|----------------|---------|------|------|------|------|------|------|------|------|-------|
| Standard | 50/60Hz | 79.0 | 71.0 | 66.0 | 61.5 | 54.5 | 49.5 | 44.5 | 39.5 | 63.5 |
| Low noise mode | 50/60Hz | 69.0 | 63.5 | 54.0 | 49.5 | 43.5 | 41.5 | 32.5 | 32.5 | 53.0 |

When Low noise mode is set, the A/C system's capacity is limited. The system could return to normal operation from Low noise mode automatically in the case that the operation condition is severe.

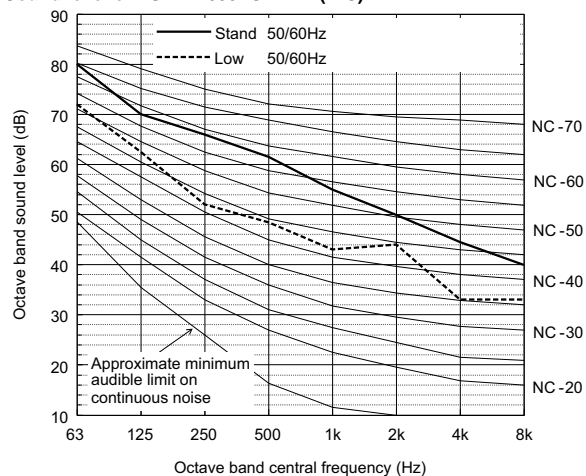
Sound level of PUHY-P650YSKB-A1(-BS)



| | | 63 | 125 | 250 | 500 | 1k | 2k | 4k | 8k | dB(A) |
|----------------|---------|------|------|------|------|------|------|------|------|-------|
| Standard | 50/60Hz | 80.0 | 71.0 | 66.5 | 62.0 | 55.5 | 50.0 | 44.0 | 38.5 | 64.0 |
| Low noise mode | 50/60Hz | 72.5 | 62.5 | 54.5 | 49.5 | 44.5 | 45.5 | 33.5 | 34.5 | 54.0 |

When Low noise mode is set, the A/C system's capacity is limited. The system could return to normal operation from Low noise mode automatically in the case that the operation condition is severe.

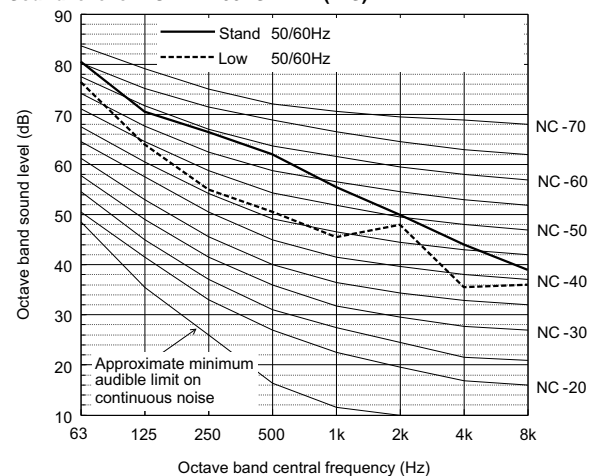
Sound level of PUHY-P600YSKB-A1(-BS)



| | | 63 | 125 | 250 | 500 | 1k | 2k | 4k | 8k | dB(A) |
|----------------|---------|------|------|------|------|------|------|------|------|-------|
| Standard | 50/60Hz | 80.0 | 70.0 | 66.0 | 61.5 | 55.0 | 50.0 | 44.5 | 40.0 | 63.5 |
| Low noise mode | 50/60Hz | 72.0 | 62.5 | 52.0 | 48.5 | 43.0 | 44.0 | 33.0 | 33.0 | 53.0 |

When Low noise mode is set, the A/C system's capacity is limited. The system could return to normal operation from Low noise mode automatically in the case that the operation condition is severe.

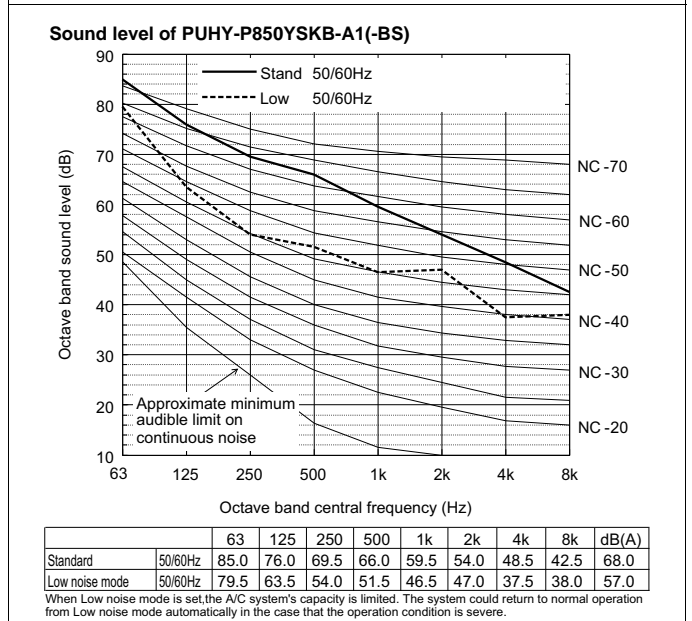
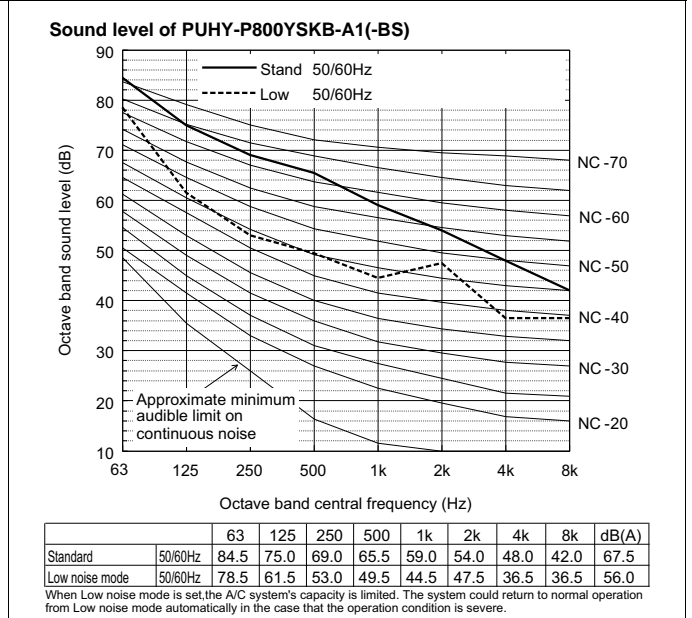
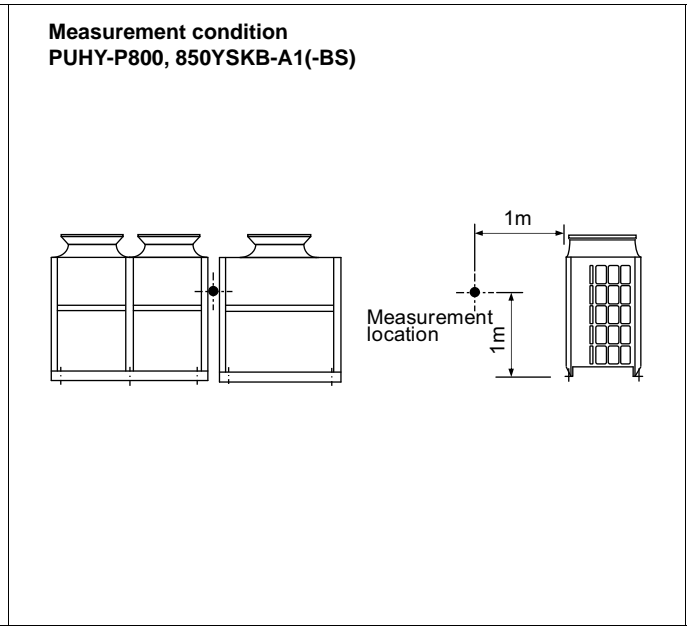
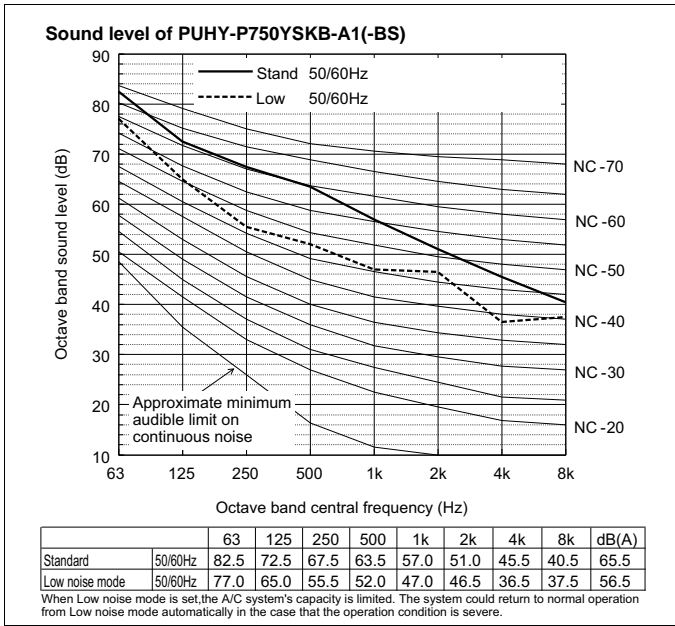
Sound level of PUHY-P700YSKB-A1(-BS)



| | | 63 | 125 | 250 | 500 | 1k | 2k | 4k | 8k | dB(A) |
|----------------|---------|------|------|------|------|------|------|------|------|-------|
| Standard | 50/60Hz | 80.5 | 70.5 | 66.5 | 62.0 | 55.5 | 50.0 | 44.0 | 39.0 | 64.0 |
| Low noise mode | 50/60Hz | 76.5 | 64.0 | 55.0 | 50.5 | 45.5 | 48.0 | 35.5 | 36.0 | 56.0 |

When Low noise mode is set, the A/C system's capacity is limited. The system could return to normal operation from Low noise mode automatically in the case that the operation condition is severe.

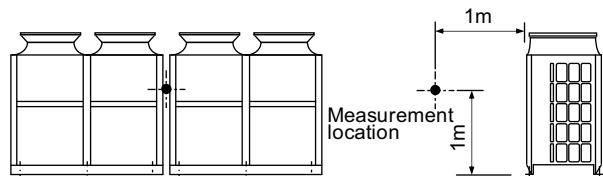
♦ Depending on the operation conditions, the unit generates noise caused by valve actuation, refrigerant flow, and pressure changes when operating normally. Please consider to avoid location where quietness is required.



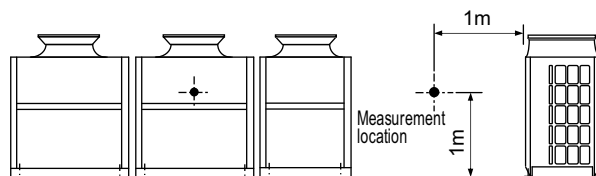
◆ Depending on the operation conditions, the unit generates noise caused by valve actuation, refrigerant flow, and pressure changes when operating normally. Please consider to avoid location where quietness is required.

Y

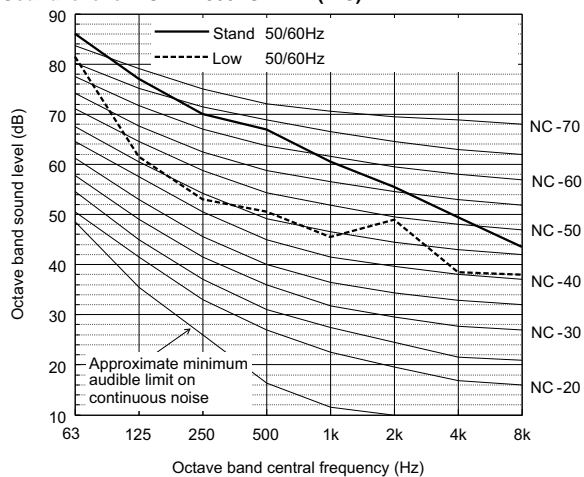
Measurement condition
PUHY-P900YSKB-A1(-BS)



Measurement condition
PUHY-P950YSKB-A1(-BS)



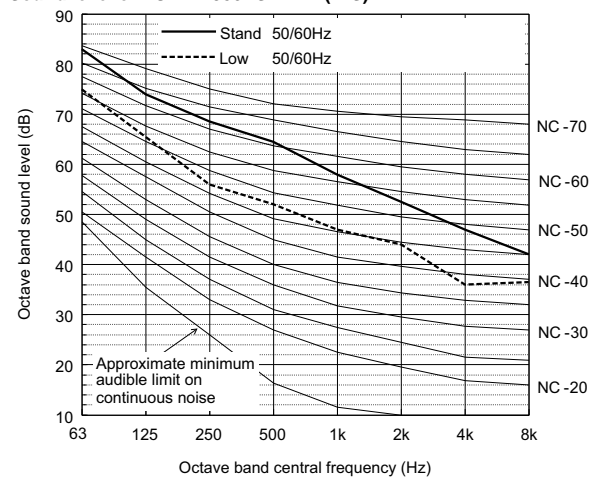
Sound level of PUHY-P900YSKB-A1(-BS)



| | | 63 | 125 | 250 | 500 | 1k | 2k | 4k | 8k | dB(A) |
|----------------|---------|------|------|------|------|------|------|------|------|-------|
| Standard | 50/60Hz | 86.0 | 77.0 | 70.0 | 67.0 | 60.5 | 55.5 | 49.5 | 43.5 | 69.0 |
| Low noise mode | 50/60Hz | 81.5 | 61.5 | 53.0 | 50.5 | 45.5 | 49.0 | 38.5 | 38.0 | 58.0 |

When Low noise mode is set, the A/C system's capacity is limited. The system could return to normal operation from Low noise mode automatically in the case that the operation condition is severe.

Sound level of PUHY-P950YSKB-A1(-BS)

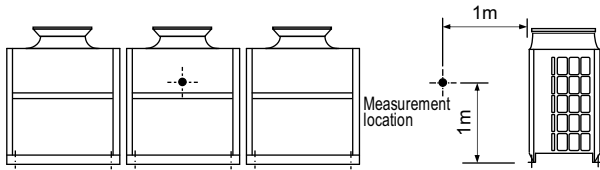


| | | 63 | 125 | 250 | 500 | 1k | 2k | 4k | 8k | dB(A) |
|----------------|---------|------|------|------|------|------|------|------|------|-------|
| Standard | 50/60Hz | 83.0 | 74.0 | 68.5 | 64.5 | 58.0 | 52.5 | 47.0 | 42.0 | 66.5 |
| Low noise mode | 50/60Hz | 75.0 | 65.5 | 56.0 | 52.0 | 47.0 | 44.0 | 36.0 | 36.5 | 56.0 |

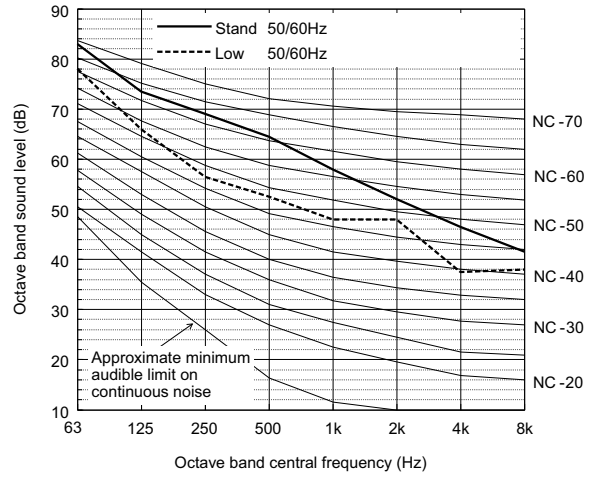
When Low noise mode is set, the A/C system's capacity is limited. The system could return to normal operation from Low noise mode automatically in the case that the operation condition is severe.

♦ Depending on the operation conditions, the unit generates noise caused by valve actuation, refrigerant flow, and pressure changes when operating normally. Please consider to avoid location where quietness is required.

Measurement condition
PUHY-P1000, 1050, 1100YSKB-A1(-BS)



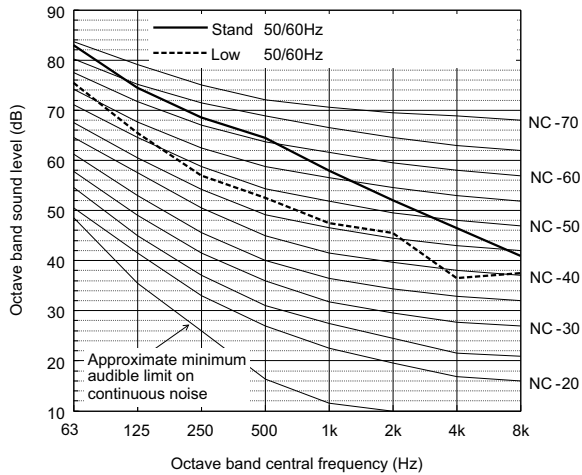
Sound level of PUHY-P1100YSKB-A1(-BS)



| | | 63 | 125 | 250 | 500 | 1k | 2k | 4k | 8k | dB(A) |
|----------------|---------|------|------|------|------|------|------|------|------|-------|
| Standard | 50/60Hz | 83.0 | 73.5 | 69.0 | 64.5 | 58.0 | 52.0 | 46.5 | 41.5 | 66.5 |
| Low noise mode | 50/60Hz | 78.0 | 66.0 | 56.5 | 52.5 | 48.0 | 48.0 | 37.5 | 38.0 | 57.5 |

When Low noise mode is set, the A/C system's capacity is limited. The system could return to normal operation from Low noise mode automatically in the case that the operation condition is severe.

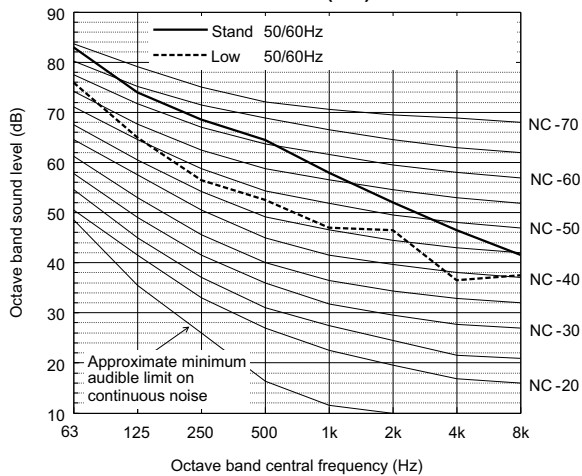
Sound level of PUHY-P1000YSKB-A1(-BS)



| | | 63 | 125 | 250 | 500 | 1k | 2k | 4k | 8k | dB(A) |
|----------------|---------|------|------|------|------|------|------|------|------|-------|
| Standard | 50/60Hz | 83.0 | 74.5 | 68.5 | 64.5 | 58.0 | 52.0 | 46.5 | 41.0 | 66.5 |
| Low noise mode | 50/60Hz | 75.5 | 65.5 | 57.0 | 52.5 | 47.5 | 45.5 | 36.5 | 37.5 | 56.5 |

When Low noise mode is set, the A/C system's capacity is limited. The system could return to normal operation from Low noise mode automatically in the case that the operation condition is severe.

Sound level of PUHY-P1050YSKB-A1(-BS)



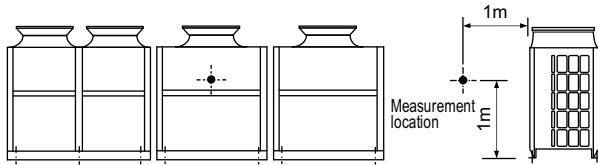
| | | 63 | 125 | 250 | 500 | 1k | 2k | 4k | 8k | dB(A) |
|----------------|---------|------|------|------|------|------|------|------|------|-------|
| Standard | 50/60Hz | 83.0 | 74.0 | 68.5 | 64.5 | 58.0 | 52.0 | 46.5 | 41.5 | 66.5 |
| Low noise mode | 50/60Hz | 76.0 | 65.0 | 56.5 | 52.5 | 47.0 | 46.5 | 36.5 | 37.5 | 56.5 |

When Low noise mode is set, the A/C system's capacity is limited. The system could return to normal operation from Low noise mode automatically in the case that the operation condition is severe.

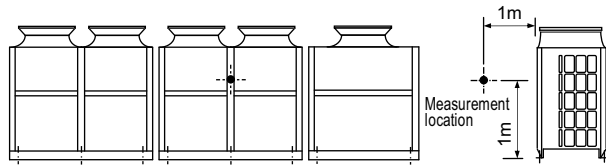
• Depending on the operation conditions, the unit generates noise caused by valve actuation, refrigerant flow, and pressure changes when operating normally. Please consider to avoid location where quietness is required.

Y

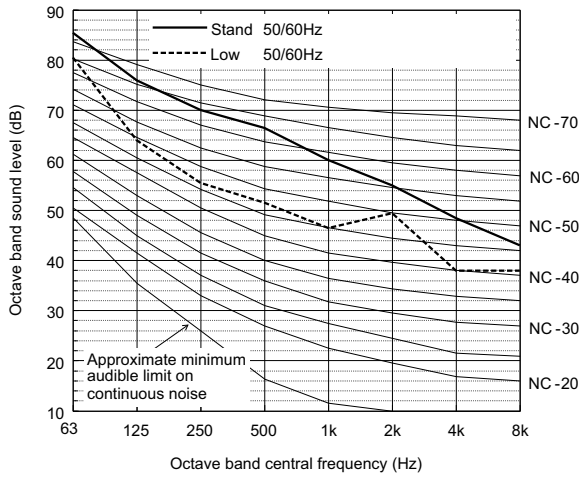
Measurement condition
PUHY-P1150, 1200YSKB-A1(-BS)



Measurement condition
PUHY-P1250, 1300YSKB-A1(-BS)



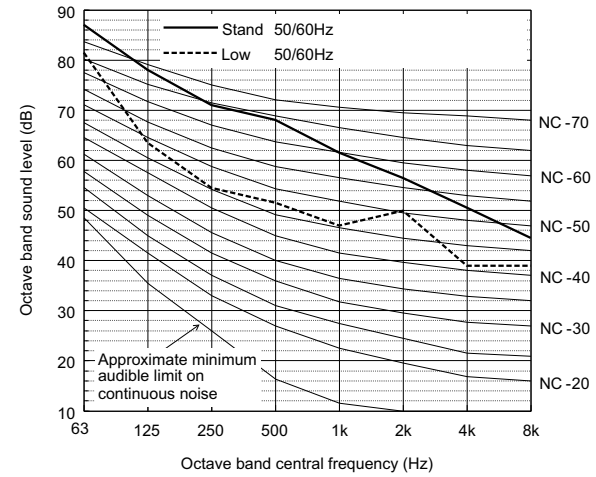
Sound level of PUHY-P1150YSKB-A1(-BS)



| | | 63 | 125 | 250 | 500 | 1k | 2k | 4k | 8k | dB(A) |
|----------------|---------|------|------|------|------|------|------|------|------|-------|
| Standard | 50/60Hz | 85.5 | 76.0 | 70.0 | 66.5 | 60.0 | 55.0 | 48.5 | 43.0 | 68.5 |
| Low noise mode | 50/60Hz | 80.5 | 64.0 | 55.5 | 51.5 | 46.5 | 49.5 | 38.0 | 38.0 | 58.0 |

When Low noise mode is set, the A/C system's capacity is limited. The system could return to normal operation from Low noise mode automatically in the case that the operation condition is severe.

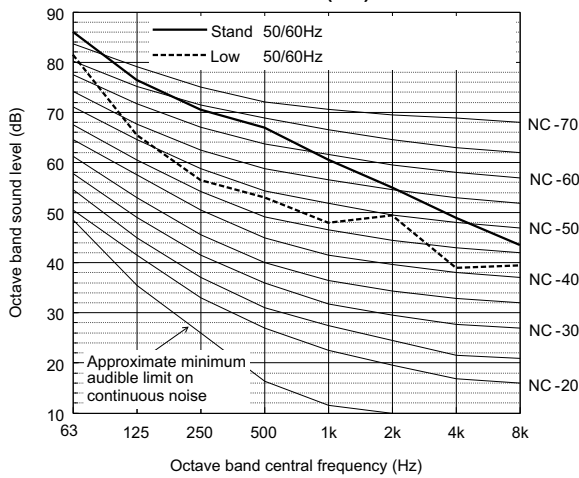
Sound level of PUHY-P1250YSKB-A1(-BS)



| | | 63 | 125 | 250 | 500 | 1k | 2k | 4k | 8k | dB(A) |
|----------------|---------|------|------|------|------|------|------|------|------|-------|
| Standard | 50/60Hz | 87.0 | 78.0 | 71.0 | 68.0 | 61.5 | 56.5 | 50.5 | 44.5 | 70.0 |
| Low noise mode | 50/60Hz | 81.5 | 63.5 | 54.5 | 51.5 | 47.0 | 50.0 | 39.0 | 39.0 | 58.5 |

When Low noise mode is set, the A/C system's capacity is limited. The system could return to normal operation from Low noise mode automatically in the case that the operation condition is severe.

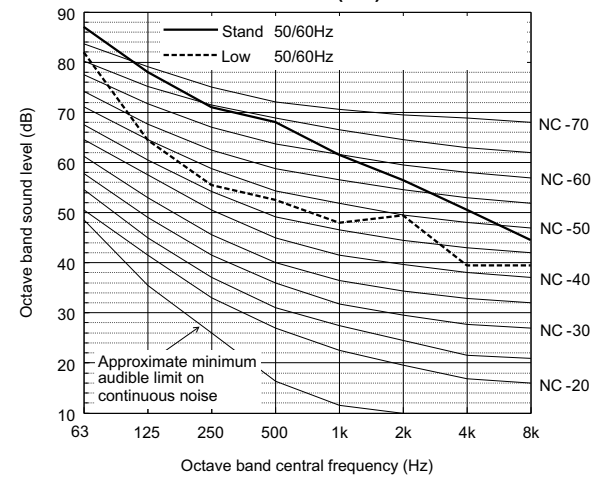
Sound level of PUHY-P1200YSKB-A1(-BS)



| | | 63 | 125 | 250 | 500 | 1k | 2k | 4k | 8k | dB(A) |
|----------------|---------|------|------|------|------|------|------|------|------|-------|
| Standard | 50/60Hz | 86.0 | 76.5 | 70.5 | 67.0 | 60.5 | 55.0 | 49.0 | 43.5 | 69.0 |
| Low noise mode | 50/60Hz | 81.5 | 65.5 | 56.5 | 53.0 | 48.0 | 49.5 | 39.0 | 39.5 | 59.0 |

When Low noise mode is set, the A/C system's capacity is limited. The system could return to normal operation from Low noise mode automatically in the case that the operation condition is severe.

Sound level of PUHY-P1300YSKB-A1(-BS)

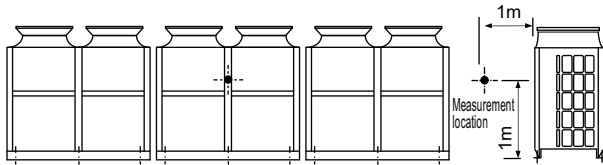


| | | 63 | 125 | 250 | 500 | 1k | 2k | 4k | 8k | dB(A) |
|----------------|---------|------|------|------|------|------|------|------|------|-------|
| Standard | 50/60Hz | 87.0 | 78.0 | 71.0 | 68.0 | 61.5 | 56.5 | 50.5 | 44.5 | 70.0 |
| Low noise mode | 50/60Hz | 82.0 | 64.5 | 55.5 | 52.5 | 48.0 | 49.5 | 39.5 | 39.5 | 59.0 |

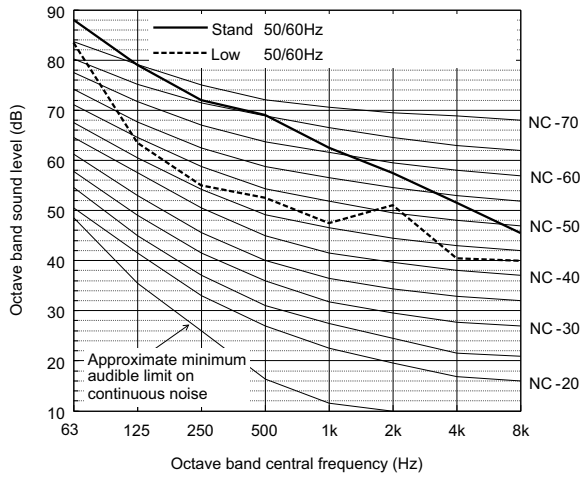
When Low noise mode is set, the A/C system's capacity is limited. The system could return to normal operation from Low noise mode automatically in the case that the operation condition is severe.

♦ Depending on the operation conditions, the unit generates noise caused by valve actuation, refrigerant flow, and pressure changes when operating normally. Please consider to avoid location where quietness is required.

**Measurement condition
PUHY-P1350YSKB-A1(-BS)**



Sound level of PUHY-P1350YSKB-A1(-BS)



| | | 63 | 125 | 250 | 500 | 1k | 2k | 4k | 8k | dB(A) |
|----------------|---------|------|------|------|------|------|------|------|------|-------|
| Standard | 50/60Hz | 88.0 | 79.0 | 72.0 | 69.0 | 62.5 | 57.5 | 51.5 | 45.5 | 71.0 |
| Low noise mode | 50/60Hz | 83.5 | 63.5 | 55.0 | 52.5 | 47.5 | 51.0 | 40.5 | 40.0 | 60.0 |

When Low noise mode is set, the A/C system's capacity is limited. The system could return to normal operation from Low noise mode automatically in the case that the operation condition is severe.

- ◆ Depending on the operation conditions, the unit generates noise caused by valve actuation, refrigerant flow, and pressure changes when operating normally. Please consider to avoid location where quietness is required.

[PUHY-P200-500YKB-A1, PUHY-P400-1350YSKB-A1]

Measurement condition

Measurement frequency: 1 Hz-80 Hz

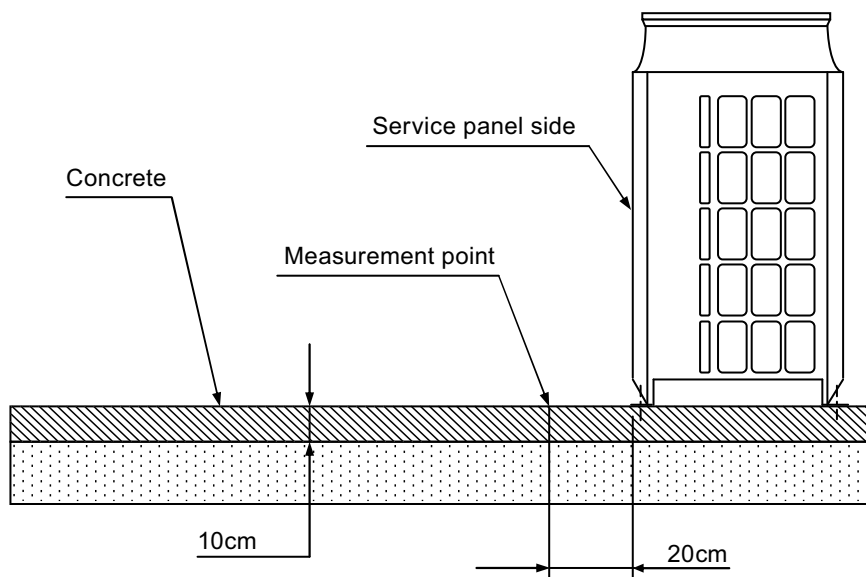
Measurement point: Ground surface 20 cm away from the unit leg

Installation condition: Direct installation on the concrete floor

Power source: 3-phase 4-wire 380-400-415 V 50/60 Hz

Operation condition: JIS condition (cooling, heating)

Measurement device: Vibration level meter for vibration pollution VM-1220C (JIS-compliant product)

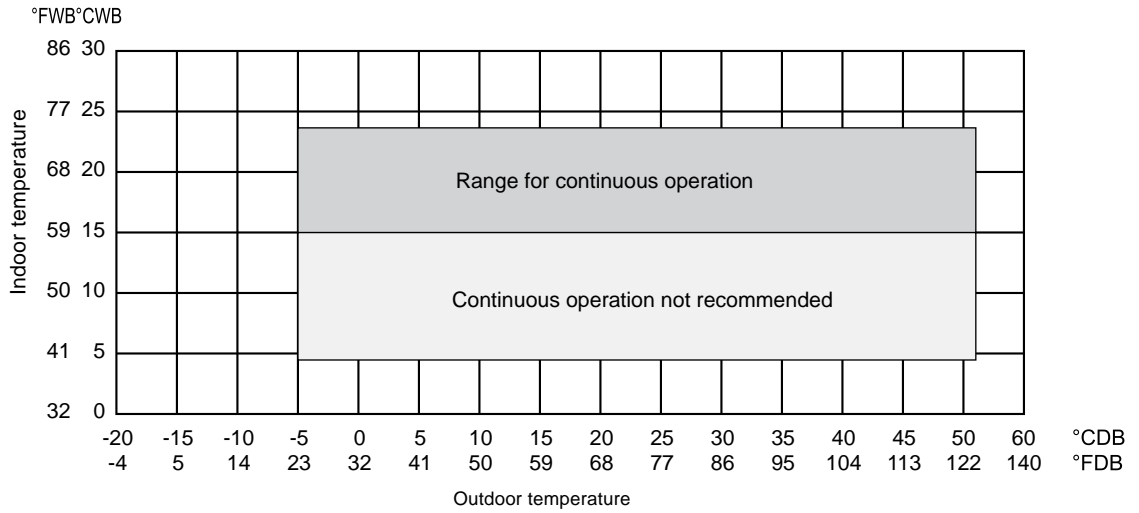


Vibration level

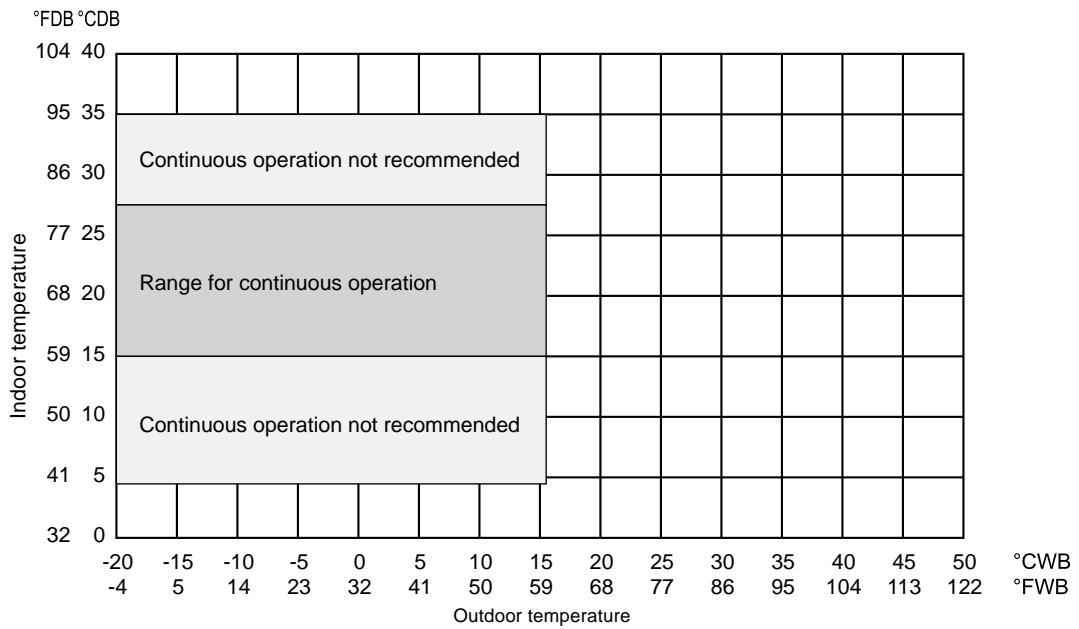
| Model | Vibration level (dB) |
|-------------------------|----------------------|
| PUHY-P200YKB-A1 (-BS) | 45 |
| PUHY-P250YKB-A1 (-BS) | 46 |
| PUHY-P300YKB-A1 (-BS) | 47 |
| PUHY-P350YKB-A1 (-BS) | 47 |
| PUHY-P400YKB-A1 (-BS) | 47 |
| PUHY-P450YKB-A1 (-BS) | 47 |
| PUHY-P500YKB-A1 (-BS) | 48 |
| PUHY-P400YSKB-A1 (-BS) | 48 |
| PUHY-P450YSKB-A1 (-BS) | 48.5 |
| PUHY-P500YSKB-A1 (-BS) | 49 |
| PUHY-P550YSKB-A1 (-BS) | 49.5 |
| PUHY-P600YSKB-A1 (-BS) | 49.5 |
| PUHY-P650YSKB-A1 (-BS) | 50 |
| PUHY-P700YSKB-A1 (-BS) | 50 |
| PUHY-P750YSKB-A1 (-BS) | 50 |
| PUHY-P800YSKB-A1 (-BS) | 50 |
| PUHY-P850YSKB-A1 (-BS) | 50 |
| PUHY-P900YSKB-A1 (-BS) | 50 |
| PUHY-P950YSKB-A1 (-BS) | 51.5 |
| PUHY-P1000YSKB-A1 (-BS) | 52 |
| PUHY-P1050YSKB-A1 (-BS) | 52 |
| PUHY-P1100YSKB-A1 (-BS) | 52 |
| PUHY-P1150YSKB-A1 (-BS) | 52 |
| PUHY-P1200YSKB-A1 (-BS) | 52 |
| PUHY-P1250YSKB-A1 (-BS) | 52 |
| PUHY-P1300YSKB-A1 (-BS) | 52 |
| PUHY-P1350YSKB-A1 (-BS) | 52 |

* Vibration level varies depending on the conditions of actual installation site.

• Cooling



• Heating



8-1. Selection of Cooling/Heating Units

<Cooling>

| Design Condition | |
|---|---------|
| Outdoor Design Dry Bulb Temperature | 43 °C |
| Total Cooling Load | 18.0 kW |
| Room1 | |
| Indoor Design Dry Bulb Temperature | 27 °C |
| Indoor Design Wet Bulb Temperature | 20 °C |
| Cooling Load | 8.0 kW |
| Room2 | |
| Indoor Design Dry Bulb Temperature | 24 °C |
| Indoor Design Wet Bulb Temperature | 17 °C |
| Cooling Load | 10.0 kW |
| <Other> | |
| Indoor/Outdoor Equivalent Piping Length | 50 m |

1. Cooling Calculation

(1) Temporary Selection of Indoor Units

| | | |
|-------|-----------|-----------------|
| Room1 | PEFY-P80 | 9 kW (Rated) |
| Room2 | PEFY-P100 | 11.2 kW (Rated) |

(2) Total Indoor Units Capacity

$P80 + P100 = P180$

(3) Selection of Outdoor Unit

The P200 outdoor unit is selected as total indoor units capacity is P180

| | |
|-----------|---------|
| PUHY-P200 | 22.4 kW |
|-----------|---------|

(4) Total Indoor Units Capacity Correction Calculation

| | | |
|-------|--|-----------------------|
| Room1 | Indoor Design Wet Bulb Temperature Correction (20°C) | 1.04 (Refer to Fig.1) |
| Room2 | Indoor Design Wet Bulb Temperature Correction (17°C) | 0.95 (Refer to Fig.1) |

Total Indoor Units Capacity (CTi)

$$CTi = \sum (\text{Indoor Unit Rating} \times \text{Indoor Design Temperature Correction})$$

$$= 9.0 \times 1.04 + 11.2 \times 0.95$$

$$= 20.0 \text{ kW}$$

(5) Outdoor Unit Correction Calculation

| | |
|---|-----------------------|
| Outdoor Design Dry Bulb Temperature Correction (43°C) | 0.94 (Refer to Fig.2) |
| Piping Length Correction (50 m) | 0.94 (Refer to Fig.3) |

Total Outdoor Unit Capacity (CTo)

$$CTo = \text{Outdoor Rating} \times \text{Outdoor Design Temperature Correction} \times \text{Piping Length Correction}$$

$$= 22.4 \times 0.94 \times 0.94$$

$$= 19.9 \text{ kW}$$

(6) Determination of Maximum System Capacity

Comparison of Capacity between Total Indoor Units Capacity (CTi) and Total Outdoor Unit Capacity (CTo)

$CTi = 20.0 > CTo = 19.9$, thus, select CTo.

$CTx = CTo = 19.9 \text{ kW}$

(7) Comparison with Essential Load

Against the essential load 18.0kW, the maximum system capacity is 19.9kW: Proper outdoor units have been selected.

(8) Calculation of Maximum Indoor Unit Capacity of Each Room

$CTx = CTo$, thus, calculate by the calculation below

Room1

$$\text{Maximum Capacity} \times \text{Room1 Capacity after the Temperature Correction} / (\text{Room1,2 Total Capacity after the Temperature Correction})$$

$$= 19.9 \times (9.0 \times 1.04) / (9.0 \times 1.04 + 11.2 \times 0.95)$$

$$= 9.3 \text{ kW} \quad \text{OK: fulfills the load 8.0kW}$$

Room2

$$\text{Maximum Capacity} \times \text{Room2 Capacity after the Temperature Correction} / (\text{Room1,2 Total Capacity after the Temperature Correction})$$

$$= 19.9 \times (11.2 \times 0.95) / (9.0 \times 1.04 + 11.2 \times 0.95)$$

$$= 10.6 \text{ kW} \quad \text{OK: fulfills the load 10.0kW}$$

Go on to the heating trial calculation since the selected units fulfill the cooling loads of Room 1, 2.

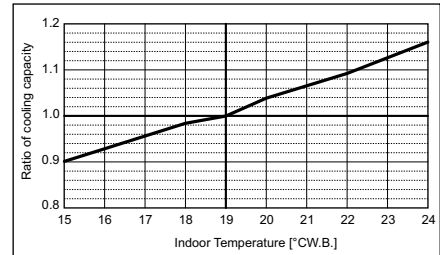


Fig.1 Indoor unit temperature correction
To be used to correct indoor unit capacity only

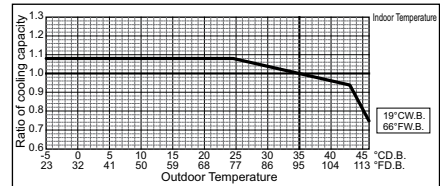


Fig.2 Outdoor unit temperature correction
To be used to correct outdoor unit capacity only

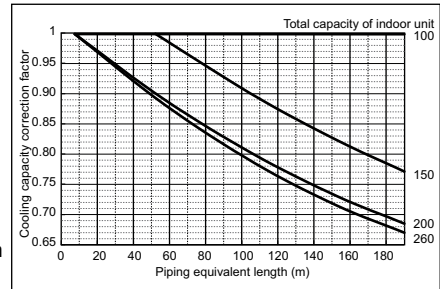


Fig.3 Correction of refrigerant piping length

<Heating>

| Design Condition | |
|---|---------|
| Outdoor Design Wet Bulb Temperature | -3 °C |
| Total Heating Load | 20.5 kW |
| Room1 | |
| Indoor Design Dry Bulb Temperature | 21 °C |
| Heating Load | 9.5 kW |
| Room2 | |
| Indoor Design Dry Bulb Temperature | 23 °C |
| Heating Load | 11.0 kW |
| <Other> | |
| Indoor/Outdoor Equivalent Piping Length | 50 m |

2. Heating Calculation

(1) Temporary Selection of Indoor Units

| | | |
|-------|-----------|-----------------|
| Room1 | PEFY-P80 | 10 kW (Rated) |
| Room2 | PEFY-P100 | 12.5 kW (Rated) |

(2) Total Indoor Units Capacity

P80 + P100 = P180

(3) Selection of Outdoor Unit

The P200 outdoor unit is selected as total indoor units capacity is P180

| | |
|-----------|---------|
| PUHY-P200 | 25.0 kW |
|-----------|---------|

(4) Total Indoor Units Capacity Correction Calculation

| | | |
|-------|--|-----------------------|
| Room1 | Indoor Design Dry Bulb Temperature Correction (21°C) | 0.97 (Refer to Fig.4) |
| Room2 | Indoor Design Dry Bulb Temperature Correction (23°C) | 0.90 (Refer to Fig.4) |

Total Indoor Units Capacity (CTi)

$$CTi = \sum (\text{Indoor Unit Rating} \times \text{Indoor Design Temperature Correction})$$

$$= 10.0 \times 0.97 + 12.5 \times 0.90$$

$$= 21.0 \text{ kW}$$

(5) Outdoor Unit Correction Calculation

| | |
|---|-----------------------|
| Outdoor Design Wet Bulb Temperature Correction (-3°C) | 0.98 (Refer to Fig.5) |
| Piping Length Correction (50 m) | 0.97 (Refer to Fig.6) |
| Defrost Correction | 0.89 (Refer to Tbl.1) |

Total Outdoor Unit Capacity (CTo)

$$CTo = \text{Outdoor Unit Rating} \times \text{Outdoor Design Temperature Correction} \times \text{Piping Length Correction} \times \text{Defrost Correction}$$

$$= 25.0 \times 0.98 \times 0.97 \times 0.89$$

$$= 21.1 \text{ kW}$$

(6) Determination of Maximum System Capacity

Comparison of Capacity between Total Indoor Units Capacity (CTi) and Total Outdoor Unit Capacity (CTo)

CTi = 21.0 < CTo = 21.1, thus, select CTi.

CTx = CTi = 21.0 kW

(7) Comparison with Essential Load

Against the essential load 20.5kW, the maximum system capacity is 21.0kW: Proper outdoor units have been selected.

(8) Calculation of Maximum Indoor Unit Capacity of Each Room

CTx = CTi, thus, calculate by the calculation below

| | | |
|-------|---|-----------------------------|
| Room1 | Indoor Unit Rating × Indoor Design Temperature Correction | OK: fulfills the load 9.5kW |
| | = 10.0 × 0.97 | |
| | = 9.7 kW | |

| | | |
|-------|---|------------------------------|
| Room2 | Indoor Unit Rating × Indoor Design Temperature Correction | OK: fulfills the load 11.0kW |
| | = 12.5 × 0.90 | |
| | = 11.3 kW | |

Completed selecting units since the selected units fulfill the heating loads of Room 1, 2.

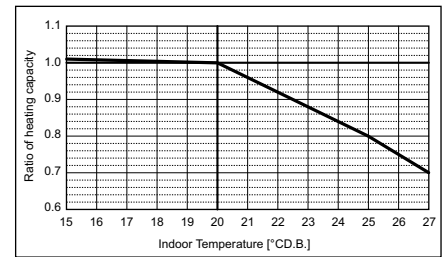


Fig.4 Indoor unit temperature correction
To be used to correct indoor unit capacity only

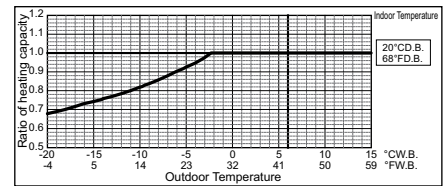


Fig.5 Outdoor unit temperature correction
To be used to correct outdoor unit capacity only

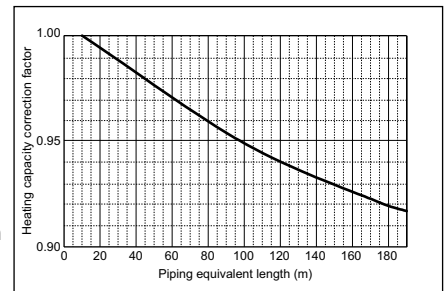


Fig.6 Correction of refrigerant piping length

Tbl.1 Table of correction factor at frost and defrost

| Outdoor inlet air temp. °C | 6 | 4 | 2 | 1 | 0 | -2 | -4 | -6 | -8 | -10 | -20 |
|----------------------------|------|------|------|-------|------|------|------|------|------|------|------|
| Outdoor inlet air temp. °F | 43 | 39 | 36 | 34 | 32 | 28 | 25 | 21 | 18 | 14 | -4 |
| PUHY-P200 | 1.00 | 0.95 | 0.84 | 0.825 | 0.83 | 0.87 | 0.90 | 0.95 | 0.95 | 0.95 | 0.95 |
| PUHY-P250 | 1.00 | 0.95 | 0.84 | 0.825 | 0.83 | 0.87 | 0.90 | 0.95 | 0.95 | 0.95 | 0.95 |
| PUHY-P300 | 1.00 | 0.93 | 0.82 | 0.80 | 0.82 | 0.86 | 0.90 | 0.90 | 0.95 | 0.95 | 0.95 |
| PUHY-P350 | 1.00 | 0.93 | 0.85 | 0.83 | 0.84 | 0.86 | 0.90 | 0.90 | 0.95 | 0.95 | 0.95 |
| PUHY-P400 | 1.00 | 0.93 | 0.85 | 0.83 | 0.84 | 0.86 | 0.90 | 0.90 | 0.95 | 0.95 | 0.95 |

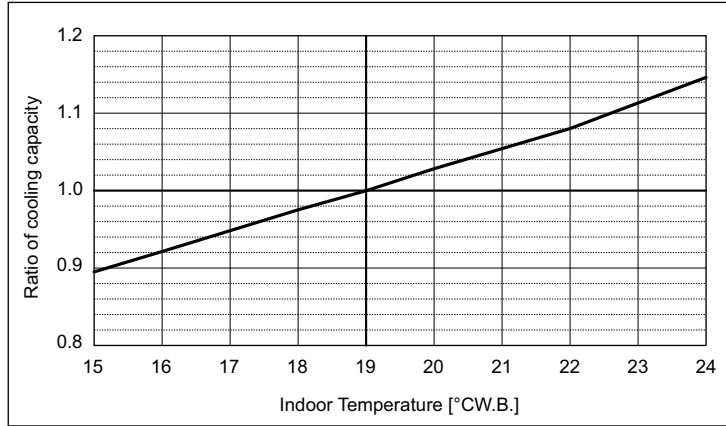
8-2. Correction by temperature

CITY MULTI could have varied capacity at different designing temperature. Using the nominal cooling/heating capacity value and the ratio below, the capacity can be observed at various temperature.

| PUHY- | | P200YKB-A1 | P250YKB-A1 |
|--------------------------|-------|------------|------------|
| Nominal Cooling Capacity | kW | 22.4 | 28.0 |
| | BTU/h | 76,400 | 95,500 |
| Input | kW | 5.19 | 6.88 |

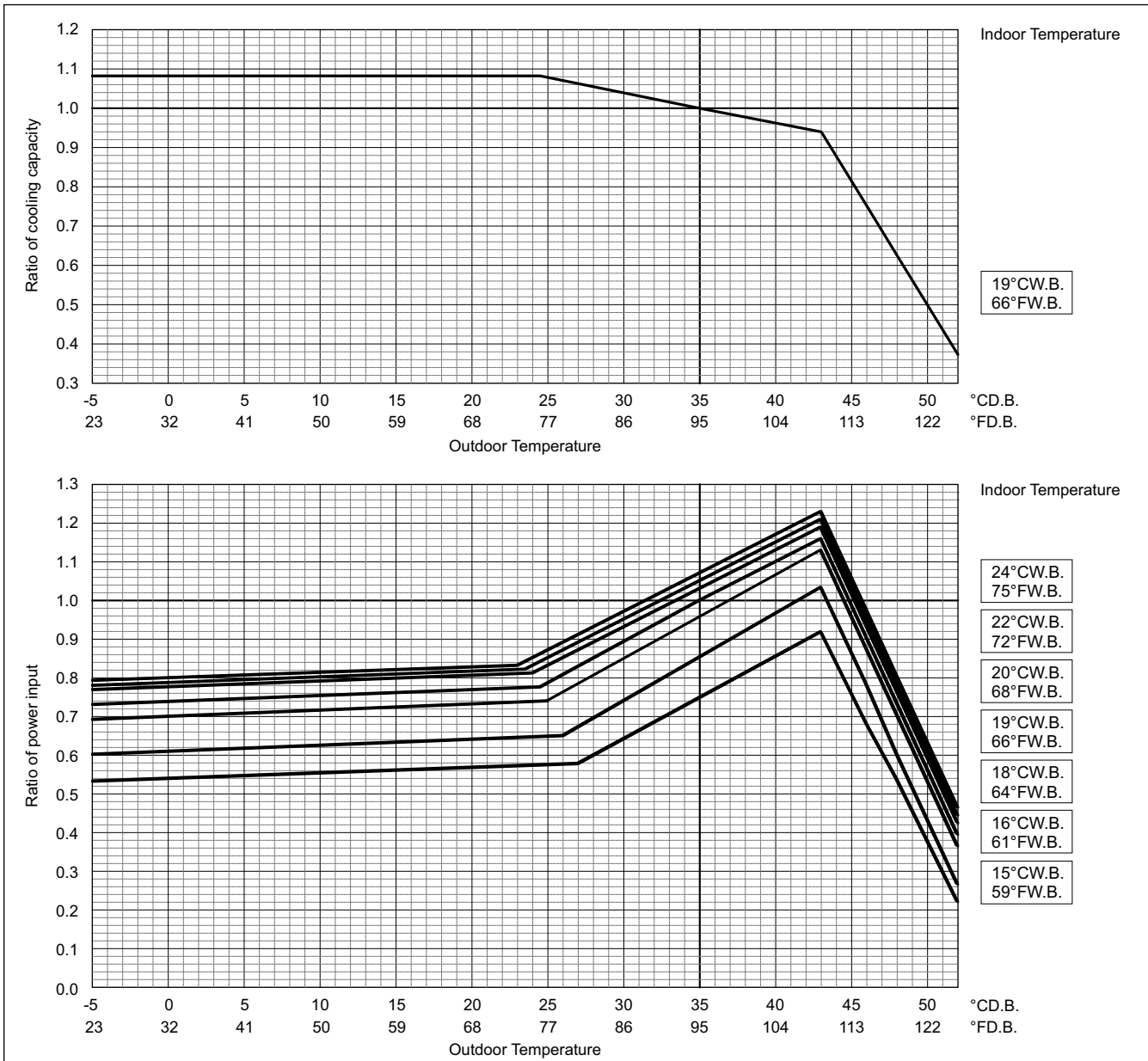
Indoor unit temperature correction

To be used to correct indoor unit capacity only



Outdoor unit temperature correction

To be used to correct outdoor unit only

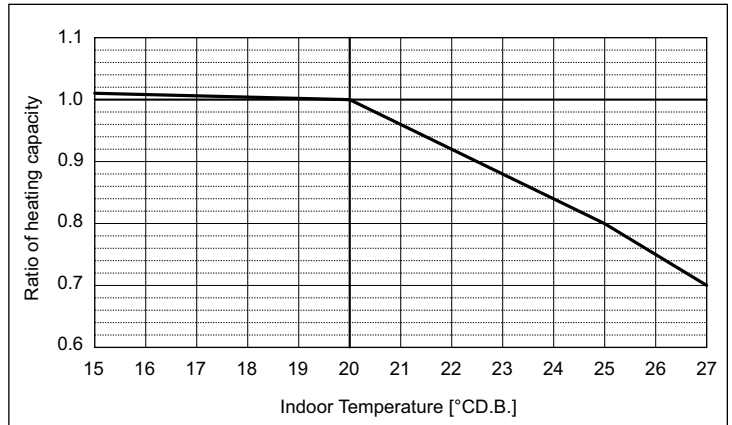


Outdoor unit power input is affected by the indoor and outdoor temperatures as shown in the graph above. Please consult the sales office for details.

| PUHY- | P200YKB-A1 | P250YKB-A1 |
|--------------------------|--------------|------------|
| Nominal Heating Capacity | kW 25.0 | 31.5 |
| | BTU/h 85,300 | 107,500 |
| Input | kW 5.81 | 7.34 |

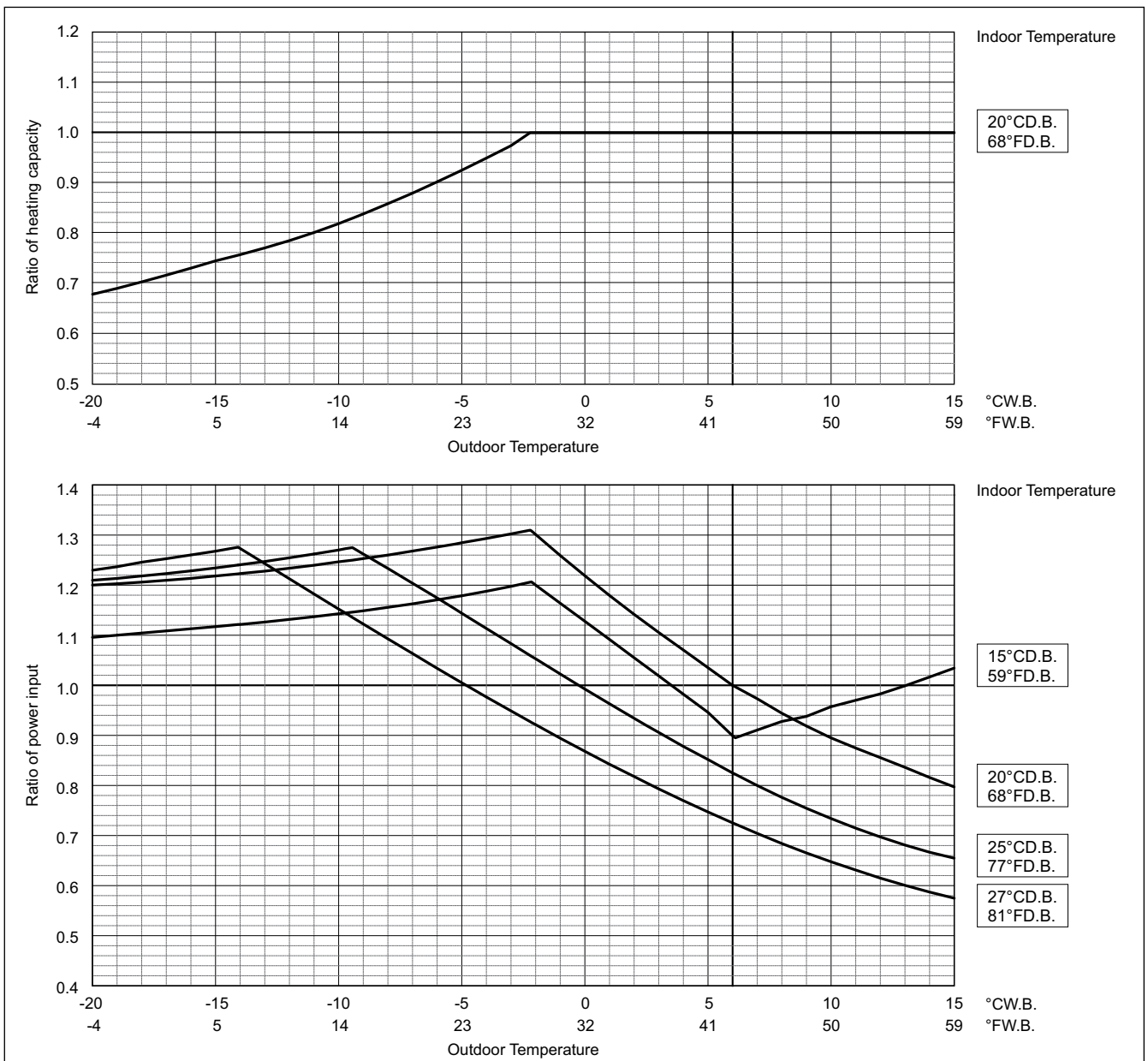
Indoor unit temperature correction

To be used to correct indoor unit capacity only



Outdoor unit temperature correction

To be used to correct outdoor unit only



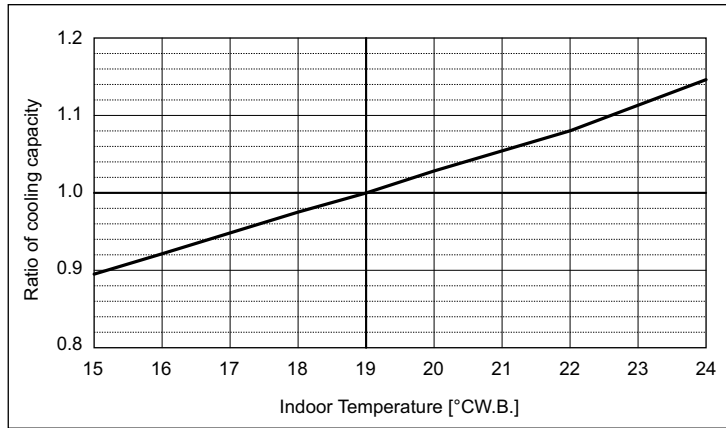
Outdoor unit power input is affected by the indoor and outdoor temperatures as shown in the graph above. Please consult the sales office for details.

Y

| PUHY- | | P300YKB-A1 | P350YKB-A1 | P400YKB-A1 |
|--------------------------|-------|------------|------------|------------|
| Nominal Cooling Capacity | kW | 33.5 | 40.0 | 45.0 |
| | BTU/h | 114,300 | 136,500 | 153,500 |
| Input | kW | 8.56 | 11.69 | 13.55 |

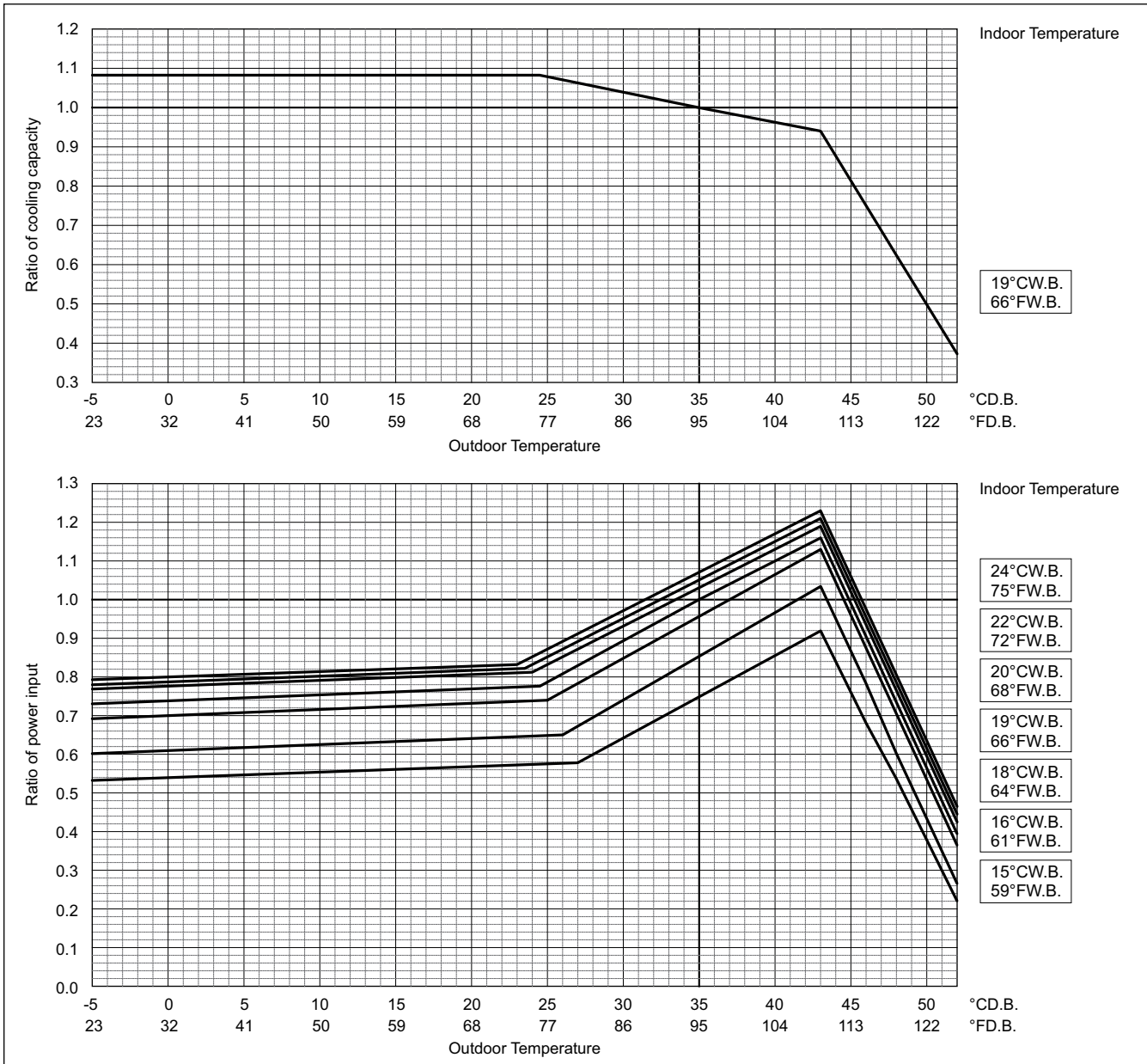
Indoor unit temperature correction

To be used to correct indoor unit capacity only



Outdoor unit temperature correction

To be used to correct outdoor unit only

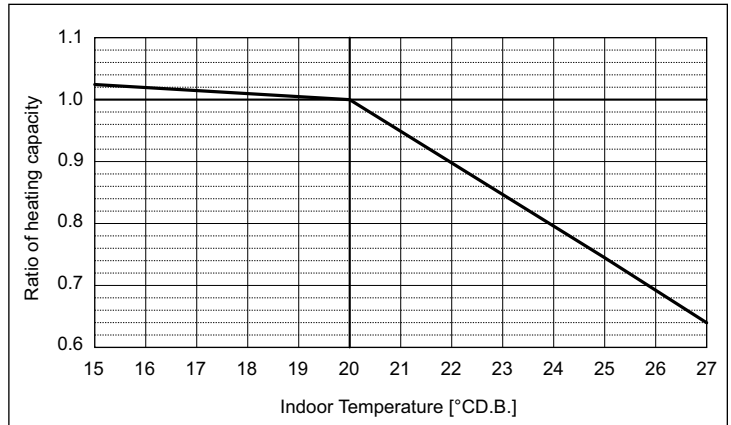


Outdoor unit power input is affected by the indoor and outdoor temperatures as shown in the graph above. Please consult the sales office for details.

| PUHY- | P300YKB-A1 | P350YKB-A1 | P400YKB-A1 |
|--------------------------|---------------|------------|------------|
| Nominal Heating Capacity | kW 37.5 | 45.0 | 50.0 |
| | BTU/h 128,000 | 153,500 | 170,600 |
| Input | kW 9.07 | 11.13 | 12.50 |

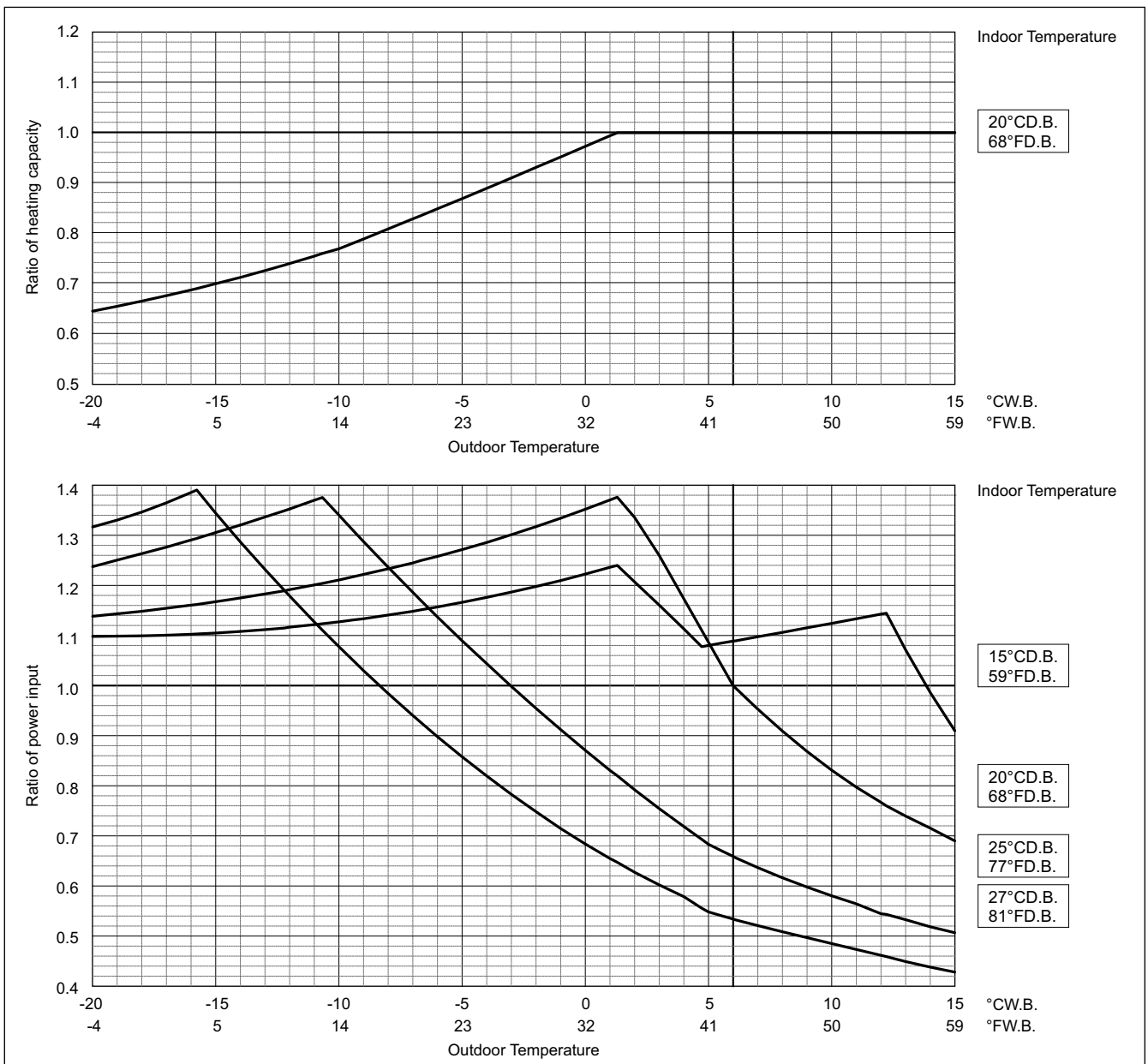
Indoor unit temperature correction

To be used to correct indoor unit capacity only



Outdoor unit temperature correction

To be used to correct outdoor unit only



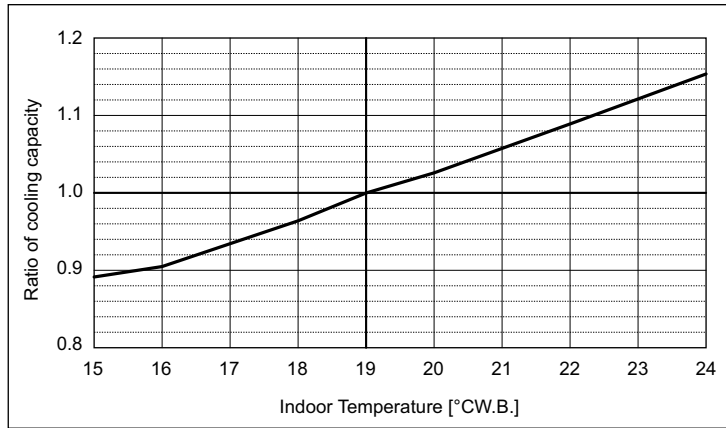
Outdoor unit power input is affected by the indoor and outdoor temperatures as shown in the graph above. Please consult the sales office for details.

Y

| PUHY- | | P450YKB-A1 | P500YKB-A1 |
|--------------------------|-------|------------|------------|
| Nominal Cooling Capacity | kW | 50.0 | 55.0 |
| | BTU/h | 170,600 | 187,700 |
| Input | kW | 14.79 | 18.39 |

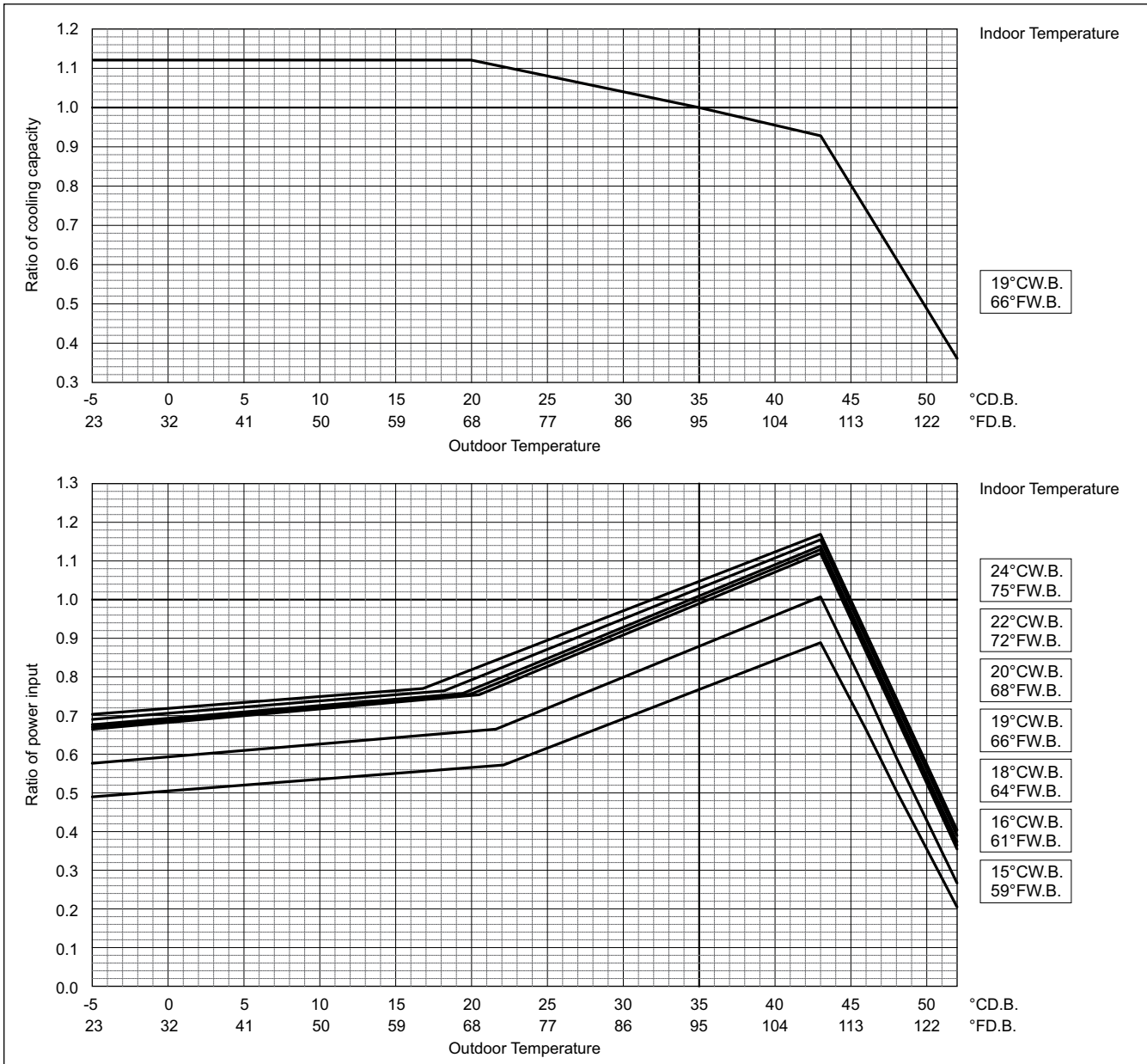
Indoor unit temperature correction

To be used to correct indoor unit capacity only



Outdoor unit temperature correction

To be used to correct outdoor unit only

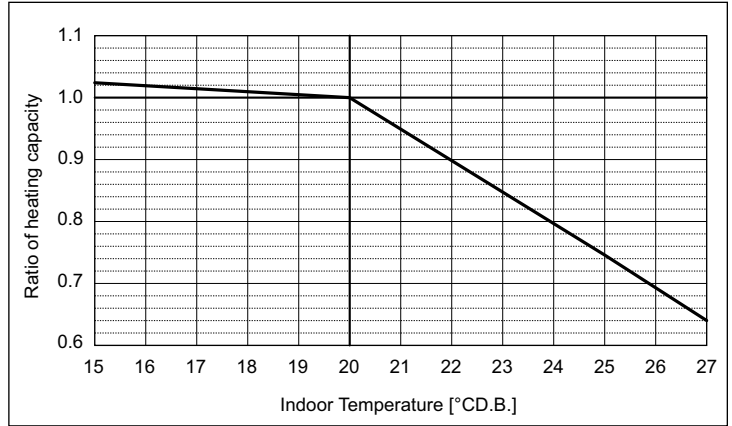


Outdoor unit power input is affected by the indoor and outdoor temperatures as shown in the graph above. Please consult the sales office for details.

| PUHY- | P450YKB-A1 | P500YKB-A1 |
|--------------------------|---------------|------------|
| Nominal Heating Capacity | kW 56.0 | 63.0 |
| | BTU/h 191,100 | 215,000 |
| Input | kW 15.55 | 18.52 |

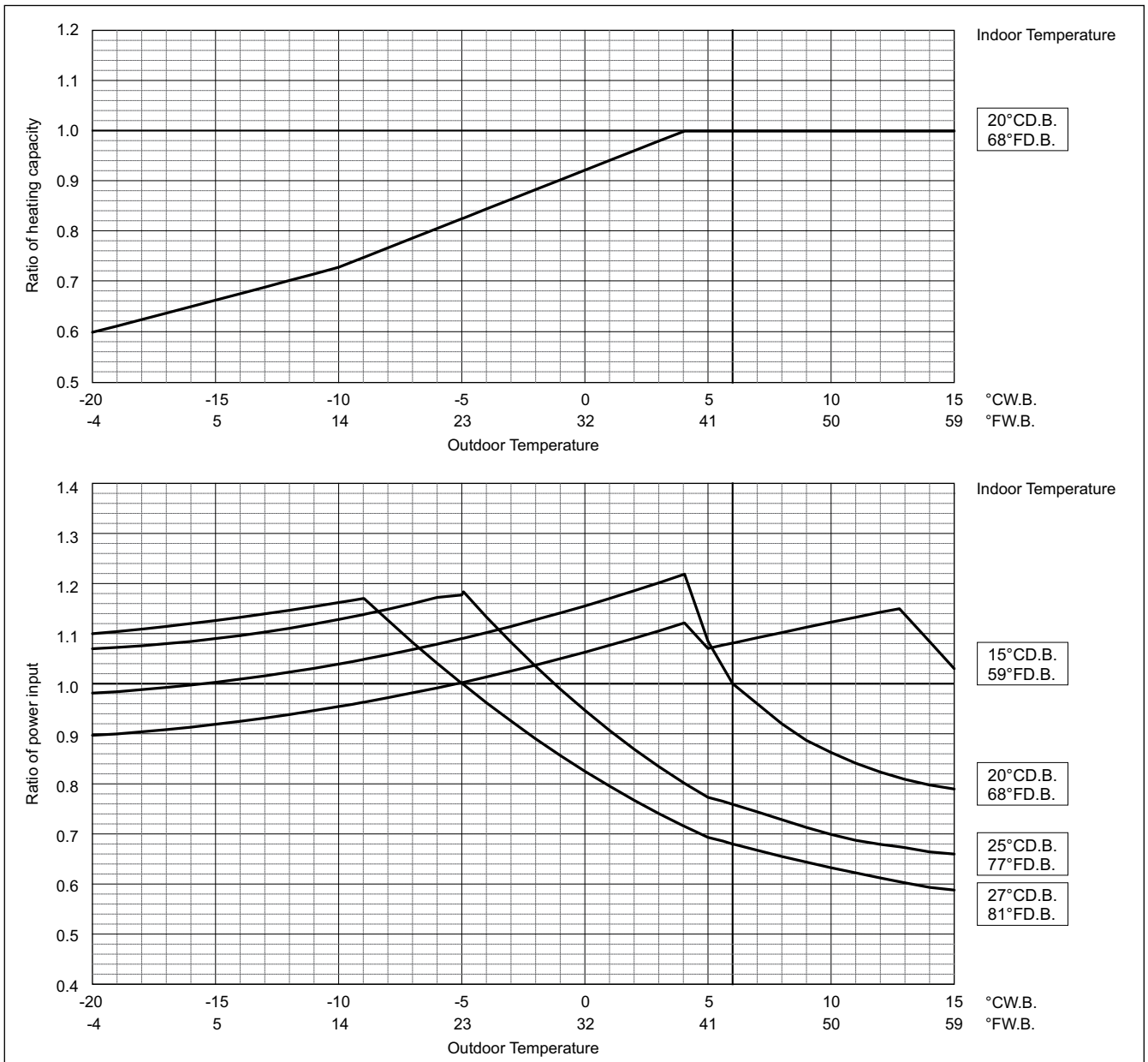
Indoor unit temperature correction

To be used to correct indoor unit capacity only



Outdoor unit temperature correction

To be used to correct outdoor unit only



Outdoor unit power input is affected by the indoor and outdoor temperatures as shown in the graph above. Please consult the sales office for details.

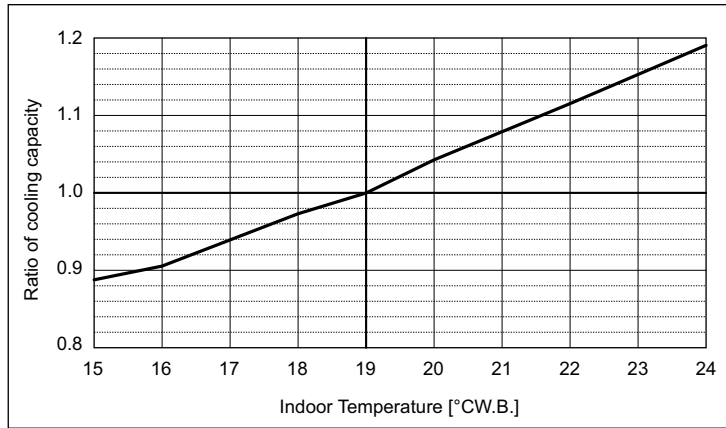
8. CAPACITY TABLES

Y

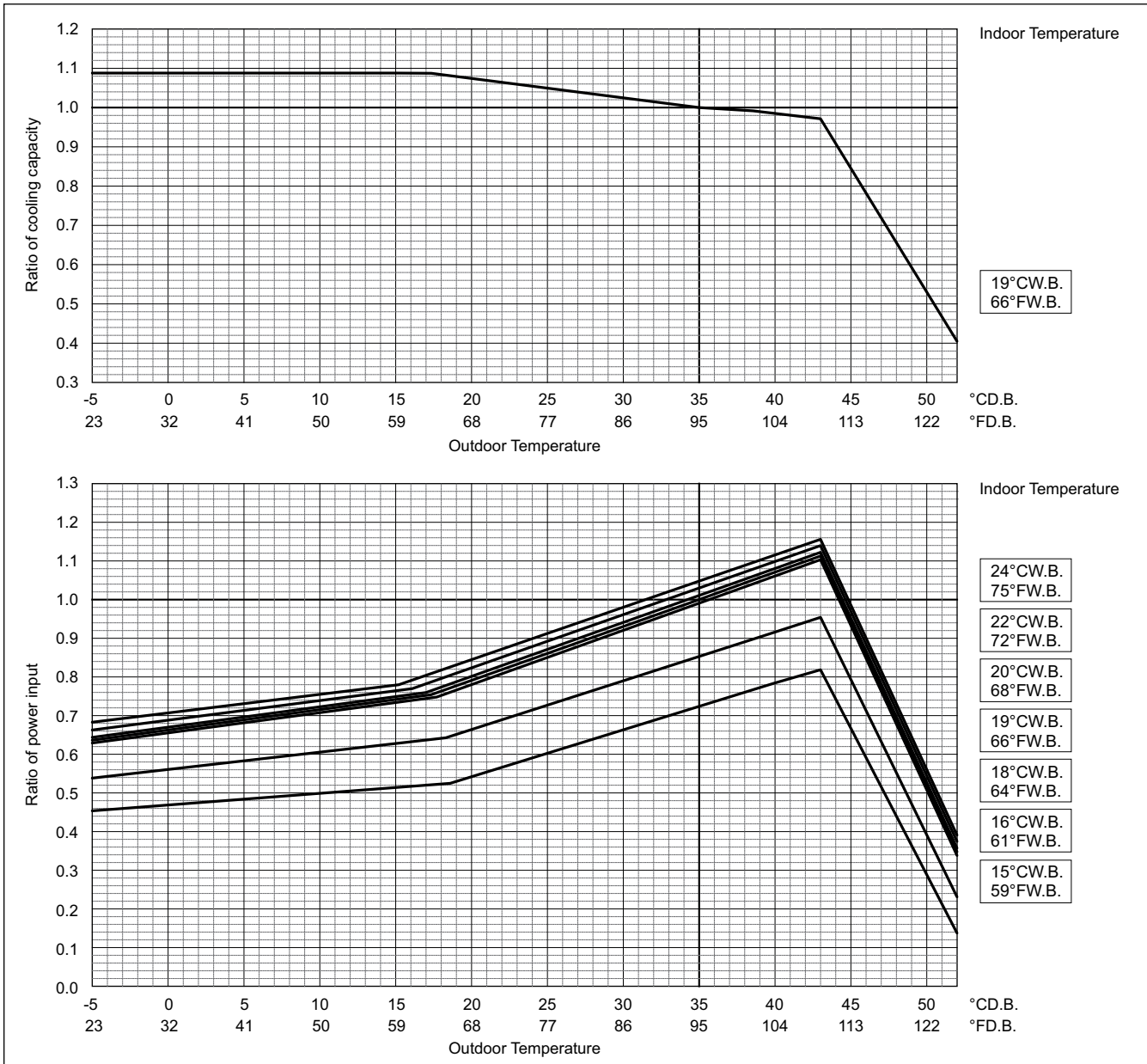
| PUHY- | | P400YSKB-A1 | P450YSKB-A1 | P500YSKB-A1 |
|--------------------------|-------|-------------|-------------|-------------|
| Nominal Cooling Capacity | kW | 45.0 | 50.0 | 56.0 |
| | BTU/h | 153,500 | 170,600 | 191,100 |
| Input | kW | 11.0 | 12.59 | 14.54 |

| PUHY- | | P550YSKB-A1 | P600YSKB-A1 | P650YSKB-A1 |
|--------------------------|-------|-------------|-------------|-------------|
| Nominal Cooling Capacity | kW | 63.0 | 69.0 | 73.0 |
| | BTU/h | 215,000 | 235,400 | 249,100 |
| Input | kW | 16.66 | 19.43 | 20.97 |

Indoor unit temperature correction
To be used to correct indoor unit capacity only



Outdoor unit temperature correction
To be used to correct outdoor unit only

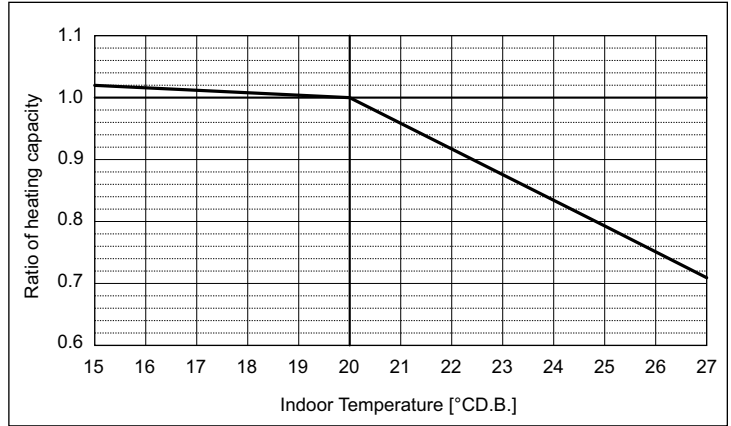


Outdoor unit power input is affected by the indoor and outdoor temperatures as shown in the graph above. Please consult the sales office for details.

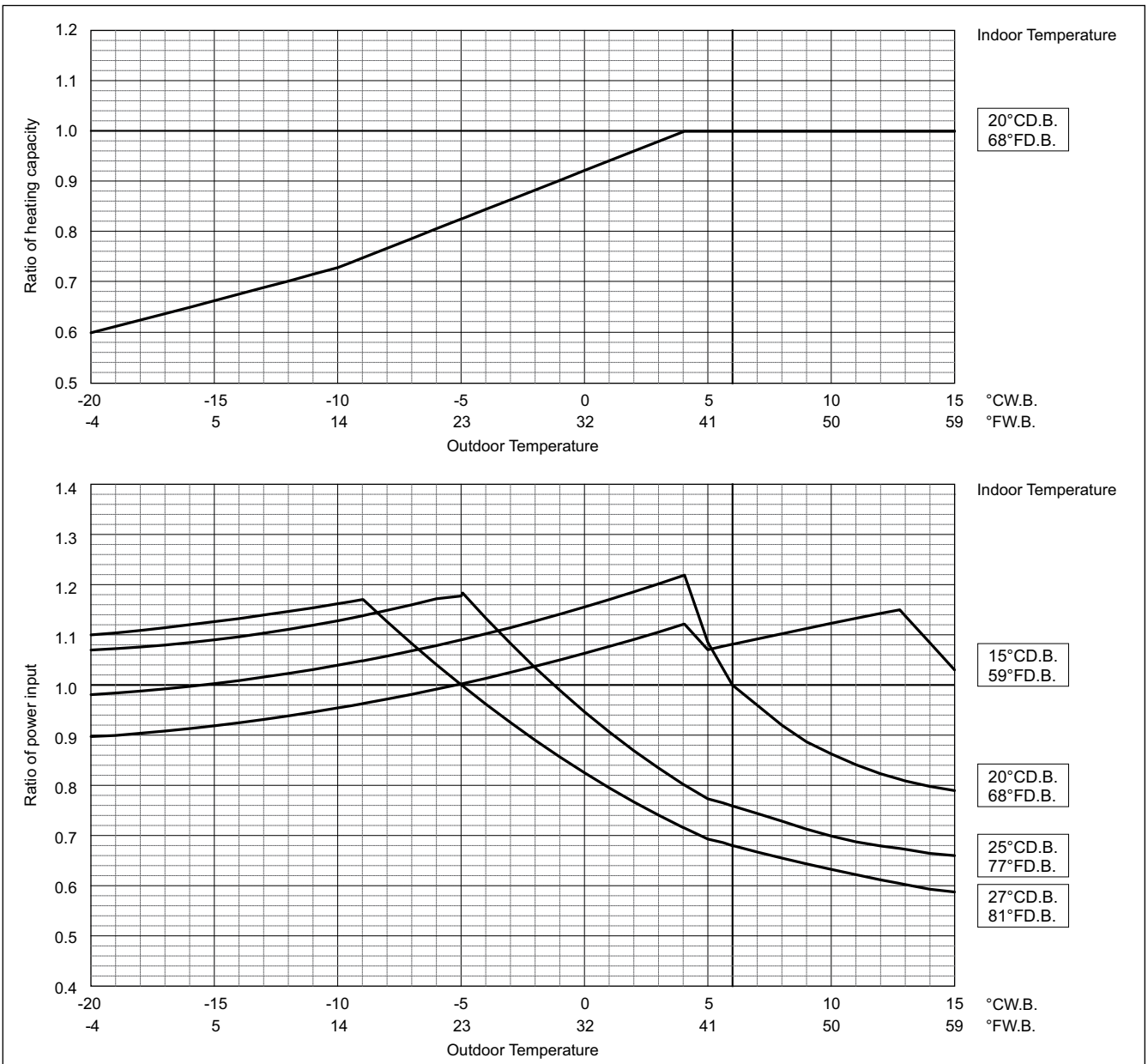
| PUHY- | | P400YSKB-A1 | P450YSKB-A1 | P500YSKB-A1 |
|--------------------------|-------|-------------|-------------|-------------|
| Nominal Heating Capacity | kW | 50.0 | 56.0 | 63.0 |
| | BTU/h | 170,600 | 191,100 | 215,000 |
| Input | kW | 12.24 | 13.72 | 15.46 |

| PUHY- | | P550YSKB-A1 | P600YSKB-A1 | P650YSKB-A1 |
|--------------------------|-------|-------------|-------------|-------------|
| Nominal Cooling Capacity | kW | 69.0 | 76.5 | 81.5 |
| | BTU/h | 235,400 | 261,000 | 278,100 |
| Input | kW | 17.29 | 19.36 | 21.00 |

Indoor unit temperature correction
To be used to correct indoor unit capacity only



Outdoor unit temperature correction
To be used to correct outdoor unit only



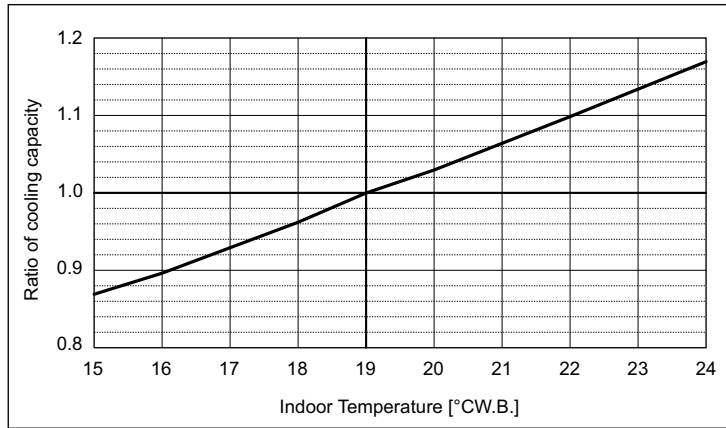
Outdoor unit power input is affected by the indoor and outdoor temperatures as shown in the graph above. Please consult the sales office for details.

Y

| PUHY- | | P700YSKB-A1 | P750YSKB-A1 | P800YSKB-A1 |
|--------------------------|-------|-------------|-------------|-------------|
| Nominal Cooling Capacity | kW | 80.0 | 85.0 | 90.0 |
| | BTU/h | 273,000 | 290,000 | 307,100 |
| Input | kW | 24.69 | 26.56 | 27.86 |

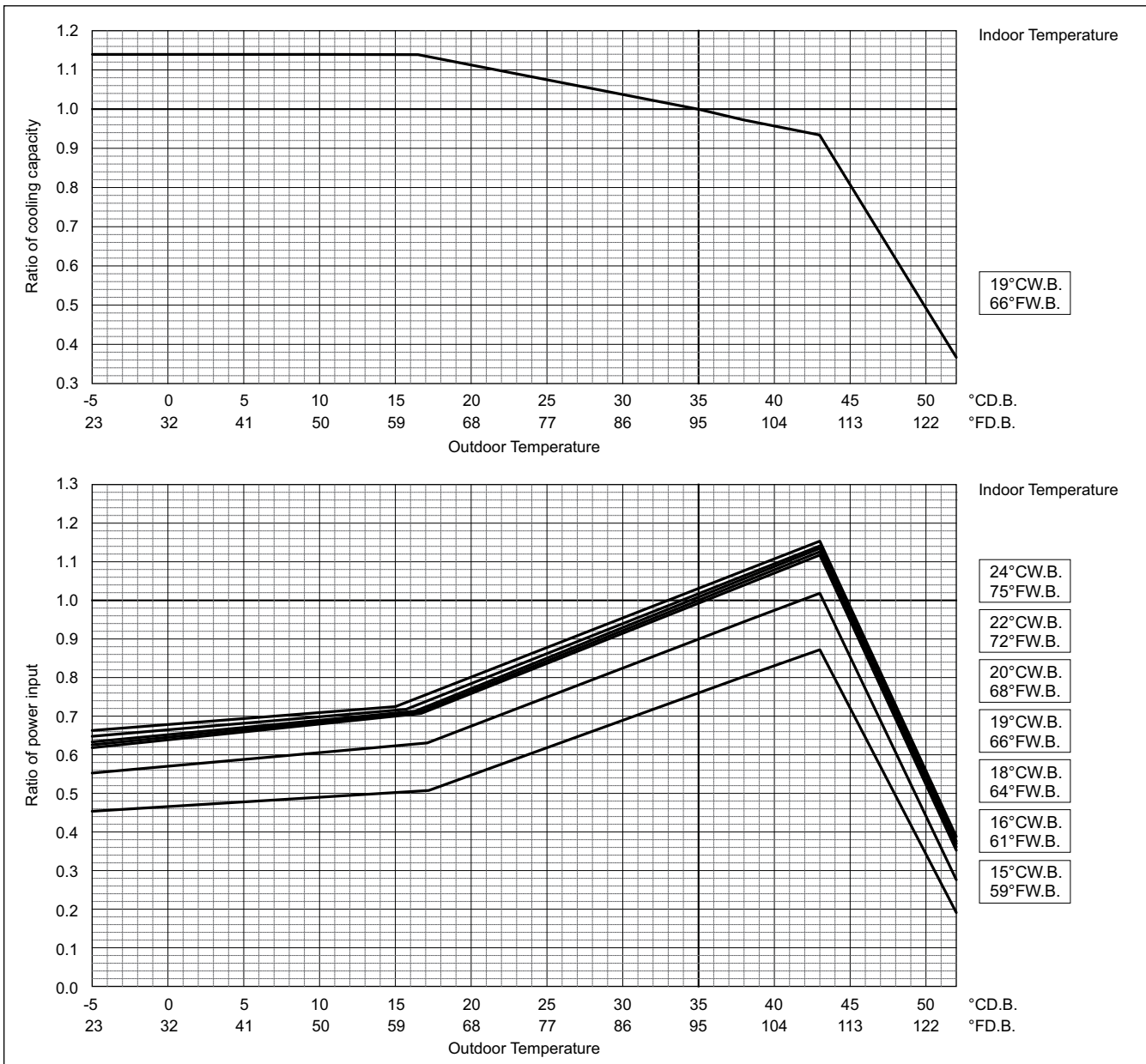
Indoor unit temperature correction

To be used to correct indoor unit capacity only



Outdoor unit temperature correction

To be used to correct outdoor unit only

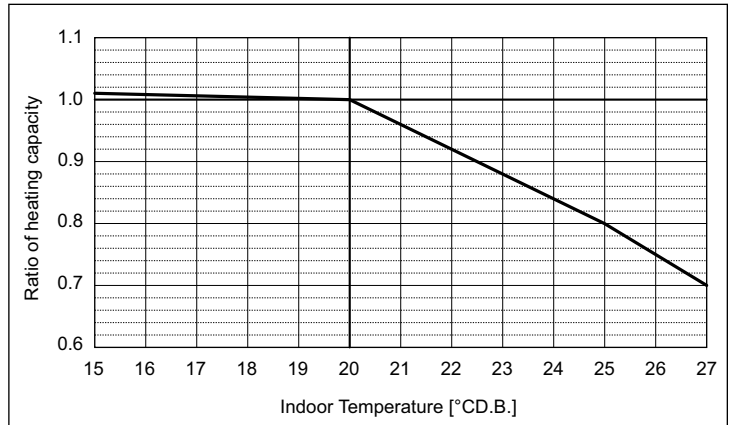


Outdoor unit power input is affected by the indoor and outdoor temperatures as shown in the graph above. Please consult the sales office for details.

| PUHY- | P700YSKB-A1 | P750YSKB-A1 | P800YSKB-A1 |
|--------------------------|---------------|-------------|-------------|
| Nominal Heating Capacity | kW 88.0 | 95.0 | 100.0 |
| | BTU/h 300,300 | 324,100 | 341,200 |
| Input | kW 22.97 | 24.93 | 27.62 |

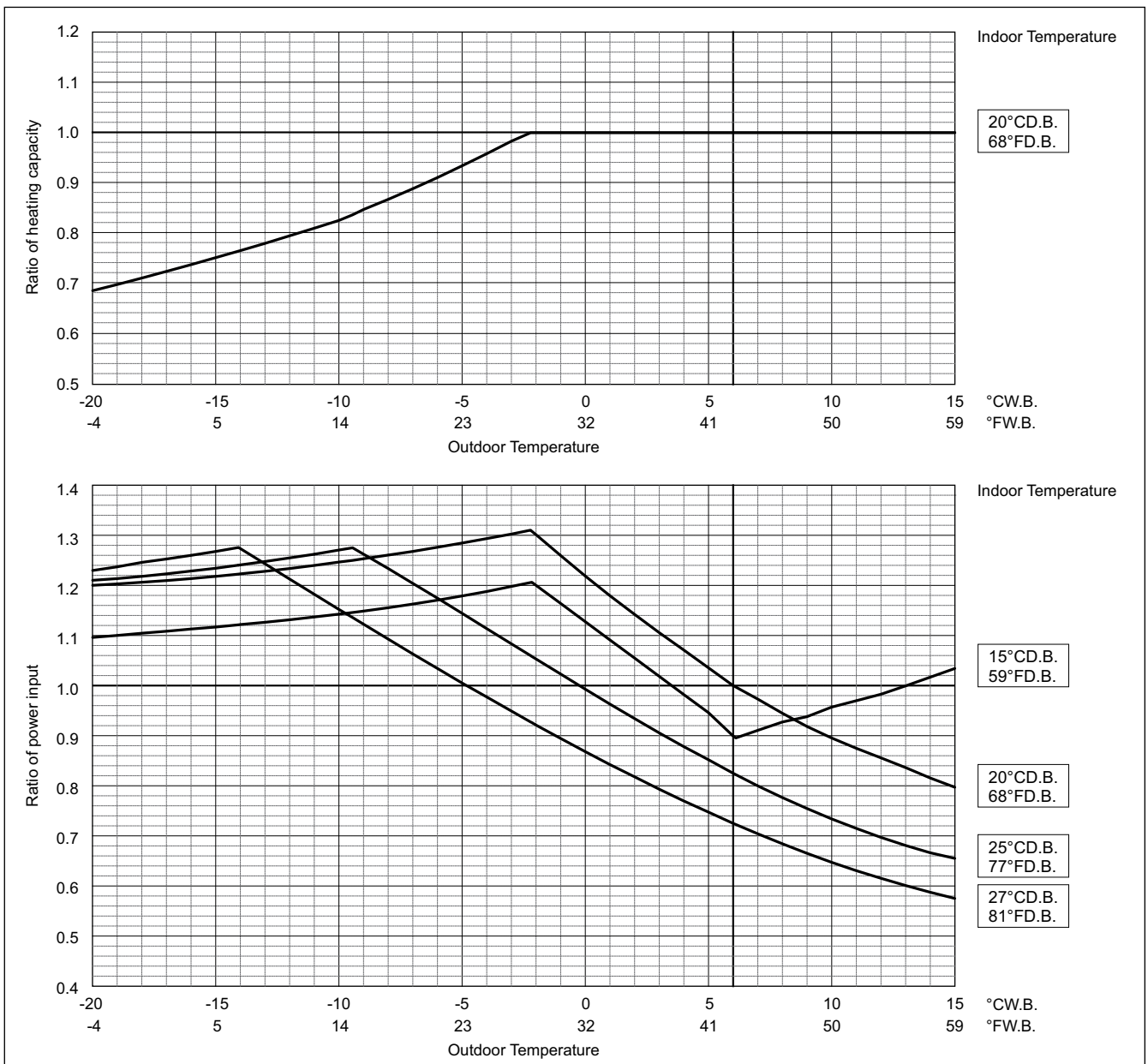
Indoor unit temperature correction

To be used to correct indoor unit capacity only



Outdoor unit temperature correction

To be used to correct outdoor unit only



Outdoor unit power input is affected by the indoor and outdoor temperatures as shown in the graph above. Please consult the sales office for details.

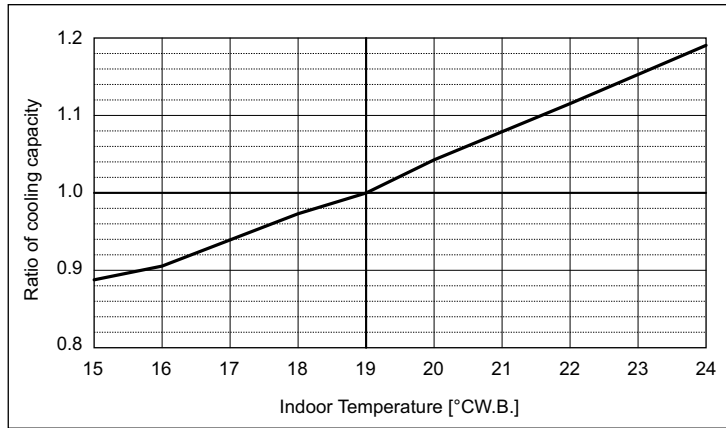
| PUHY- | | P850YSKB-A1 | P900YSKB-A1 | P950YSKB-A1 |
|--------------------------|-------|-------------|-------------|-------------|
| Nominal Cooling Capacity | kW | 96.0 | 101.0 | 108.0 |
| | BTU/h | 327,600 | 344,600 | 368,500 |
| Input | kW | 30.18 | 31.46 | 30.25 |

| PUHY- | | P1000YSKB-A1 | P1050YSKB-A1 | P1100YSKB-A1 |
|--------------------------|-------|--------------|--------------|--------------|
| Nominal Cooling Capacity | kW | 113.0 | 118.0 | 124.0 |
| | BTU/h | 385,600 | 402,600 | 423,100 |
| Input | kW | 32.10 | 35.01 | 38.62 |

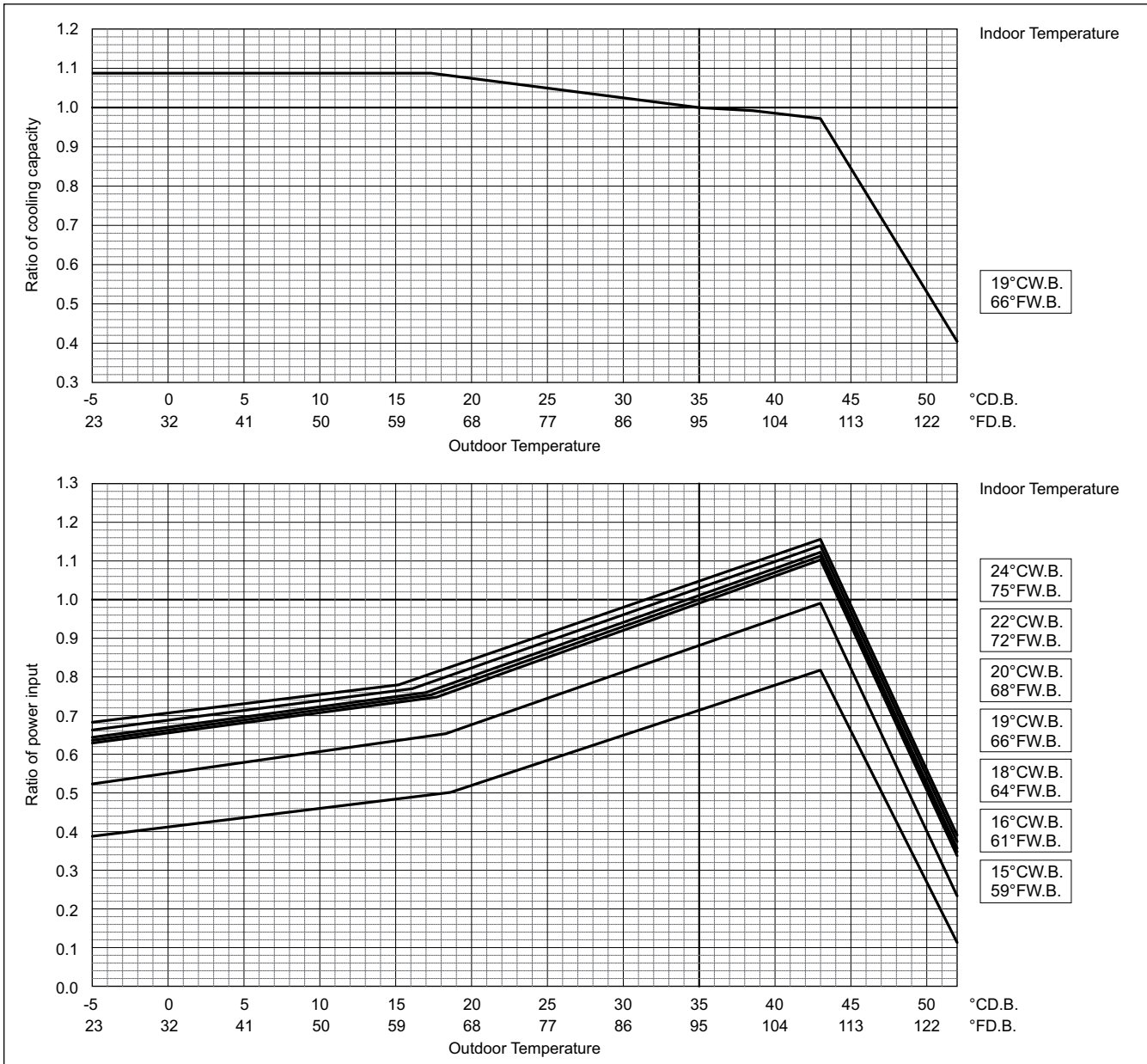
| PUHY- | | P1150YSKB-A1 | P1200YSKB-A1 | P1250YSKB-A1 |
|--------------------------|-------|--------------|--------------|--------------|
| Nominal Cooling Capacity | kW | 130.0 | 136.0 | 140.0 |
| | BTU/h | 443,600 | 464,000 | 477,700 |
| Input | kW | 40.24 | 44.10 | 43.80 |

| PUHY- | | P1300YSKB-A1 | P1350YSKB-A1 |
|--------------------------|-------|--------------|--------------|
| Nominal Cooling Capacity | kW | 146.0 | 150.0 |
| | BTU/h | 498,200 | 511,800 |
| Input | kW | 47.80 | 47.40 |

Indoor unit temperature correction
To be used to correct indoor unit capacity only



Outdoor unit temperature correction
To be used to correct outdoor unit only



Outdoor unit power input is affected by the indoor and outdoor temperatures as shown in the graph above. Please consult the sales office for details.

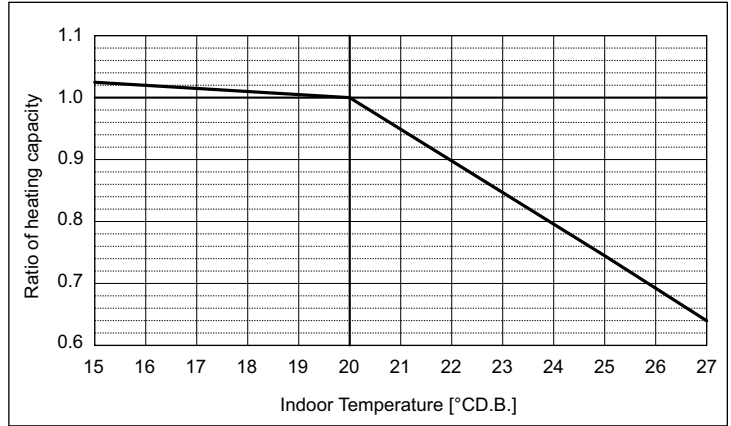
| PUHY- | P850YSKB-A1 | P900YSKB-A1 | P950YSKB-A1 |
|--------------------------|---------------|-------------|-------------|
| Nominal Heating Capacity | kW 108.0 | 113.0 | 119.5 |
| | BTU/h 368,500 | 385,600 | 407,700 |
| Input | kW 29.90 | 33.00 | 30.40 |

| PUHY- | P1000YSKB-A1 | P1050YSKB-A1 | P1100YSKB-A1 |
|--------------------------|---------------|--------------|--------------|
| Nominal Heating Capacity | kW 127.0 | 132.0 | 140.0 |
| | BTU/h 433,300 | 450,400 | 477,700 |
| Input | kW 32.70 | 34.25 | 36.60 |

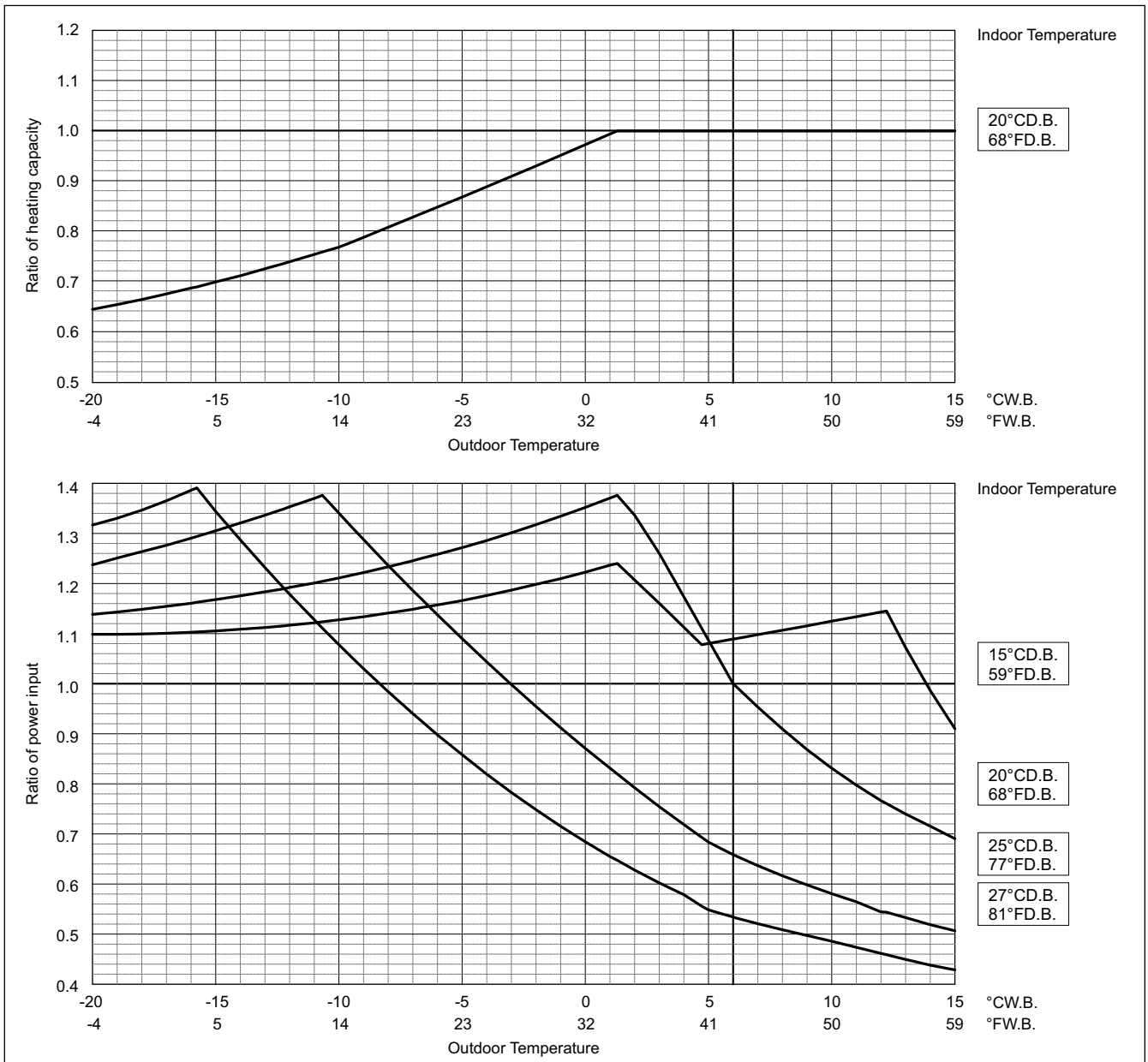
| PUHY- | P1150YSKB-A1 | P1200YSKB-A1 | P1250YSKB-A1 |
|--------------------------|---------------|--------------|--------------|
| Nominal Heating Capacity | kW 145.0 | 150.0 | 156.5 |
| | BTU/h 494,700 | 511,800 | 534,000 |
| Input | kW 39.29 | 40.76 | 44.08 |

| PUHY- | P1300YSKB-A1 | P1350YSKB-A1 |
|--------------------------|---------------|--------------|
| Nominal Heating Capacity | kW 163.0 | 168.0 |
| | BTU/h 556,200 | 573,200 |
| Input | kW 46.04 | 49.12 |

Indoor unit temperature correction
To be used to correct indoor unit capacity only



Outdoor unit temperature correction
To be used to correct outdoor unit only



Outdoor unit power input is affected by the indoor and outdoor temperatures as shown in the graph above. Please consult the sales office for details.

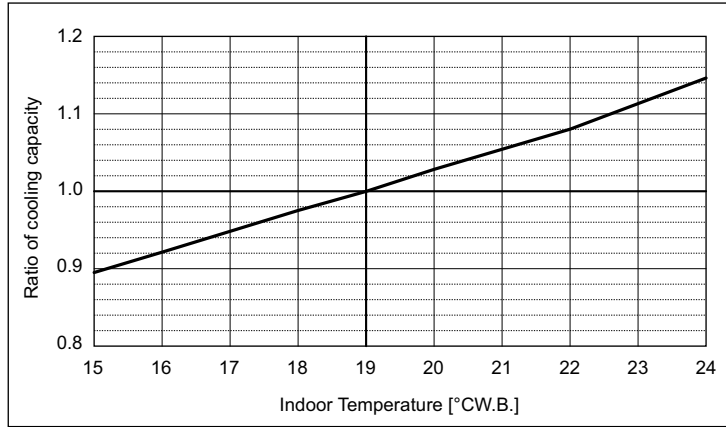
Correction by temperature (COP Priority Mode)

CITY MULTI could have various capacities at different designing temperatures. Using the nominal cooling/heating capacity values and the ratios below, the capacity can be found for various temperatures. To select COP priority mode, DipSW 6-2 must be set to ON.

| PUHY- | | P200YKB-A1 | P250YKB-A1 |
|--------------------------|-------|------------|------------|
| Nominal Cooling Capacity | kW | 22.4 | 28.0 |
| | BTU/h | 76,400 | 95,500 |
| Input | kW | 5.19 | 6.88 |

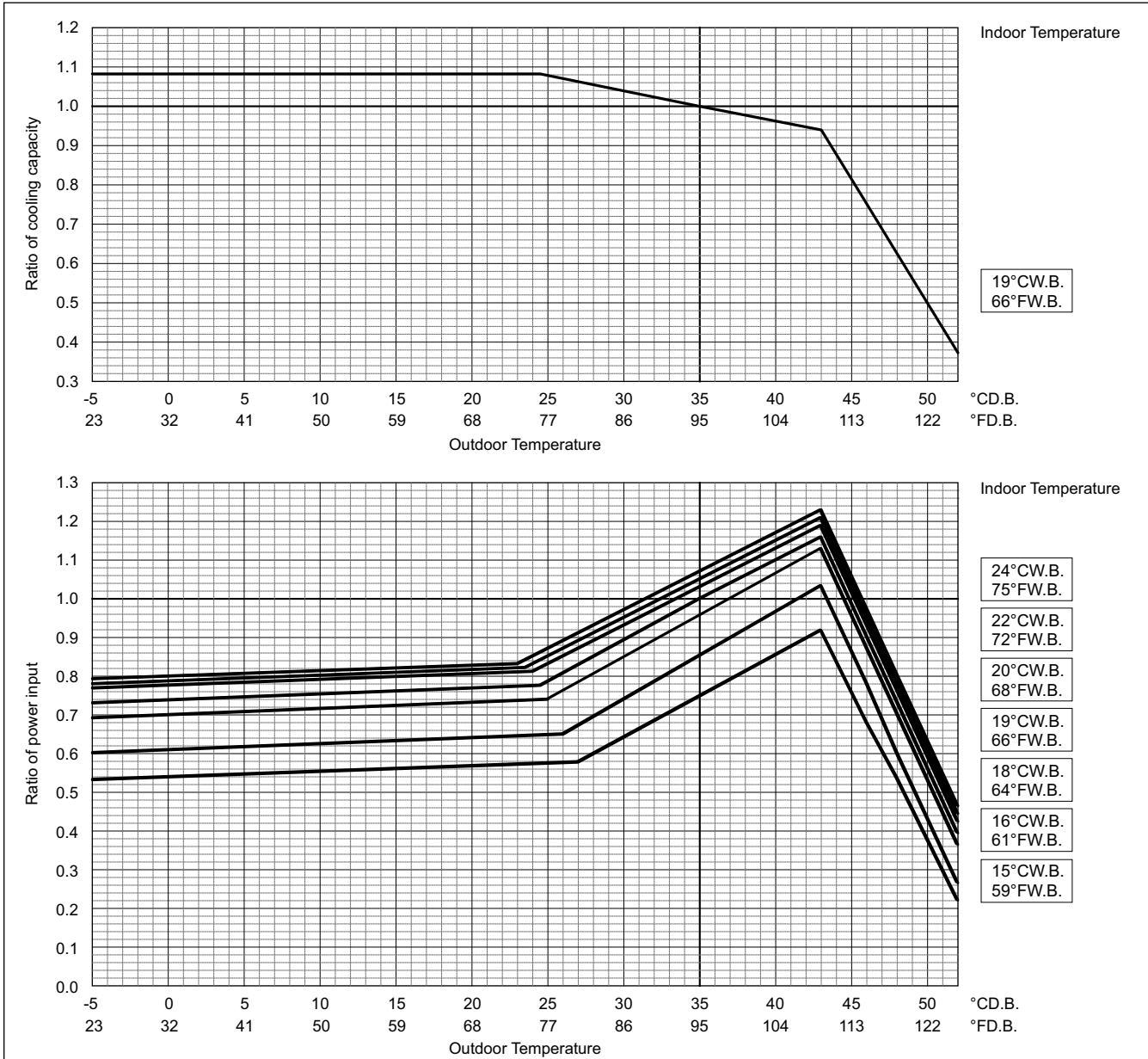
Indoor unit temperature correction

To be used to correct indoor unit capacity only



Outdoor unit temperature correction

To be used to correct outdoor unit only

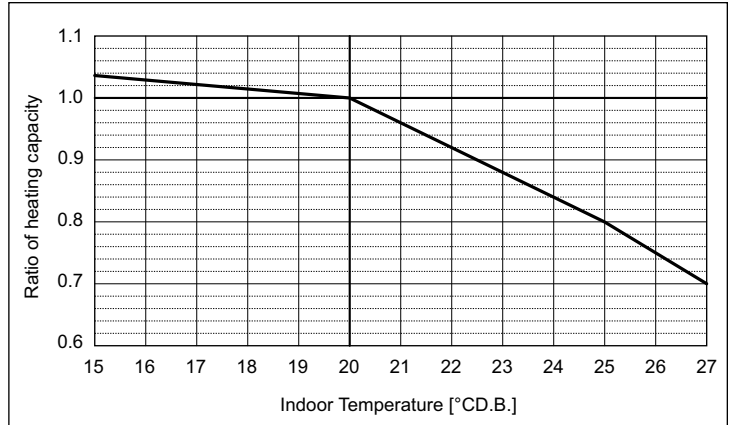


Outdoor unit power input is affected by the indoor and outdoor temperatures as shown in the graph above. Please consult the sales office for details.

| PUHY- | P200YKB-A1 | P250YKB-A1 |
|--------------------------|--------------|------------|
| Nominal Heating Capacity | kW 25.0 | 31.5 |
| | BTU/h 85,300 | 107,500 |
| Input | kW 5.81 | 7.34 |

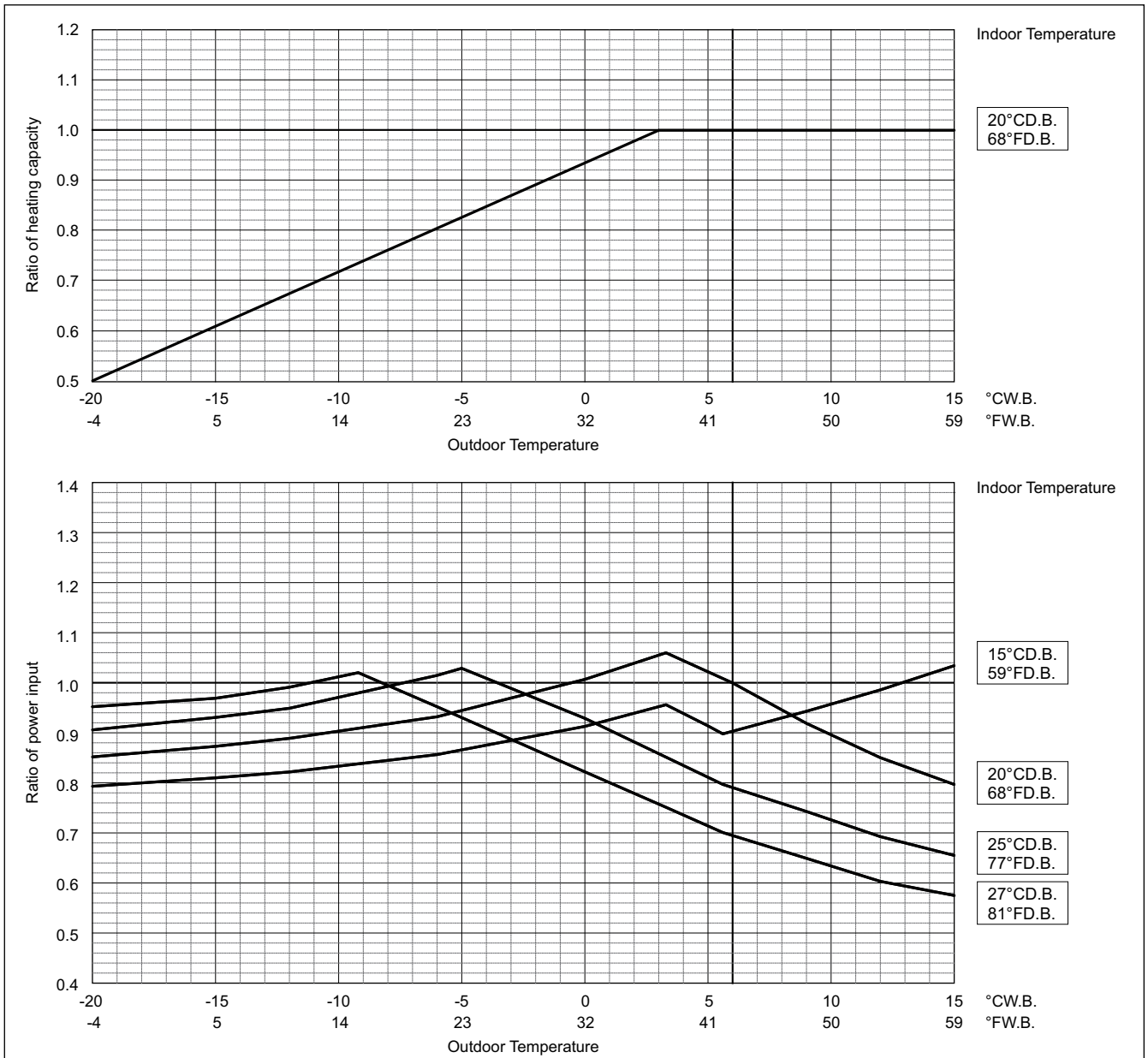
Indoor unit temperature correction

To be used to correct indoor unit capacity only



Outdoor unit temperature correction

To be used to correct outdoor unit only



Outdoor unit power input is affected by the indoor and outdoor temperatures as shown in the graph above. Please consult the sales office for details.

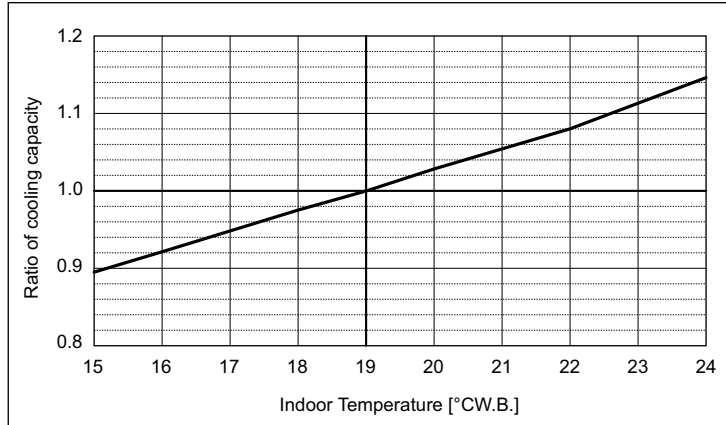
8. CAPACITY TABLES

Y

| PUHY- | P300YKB-A1 | P350YKB-A1 | P400YKB-A1 |
|--------------------------|------------|------------|------------|
| Nominal Cooling Capacity | 33.5 | 40.0 | 45.0 |
| Input | 8.56 | 11.69 | 13.55 |

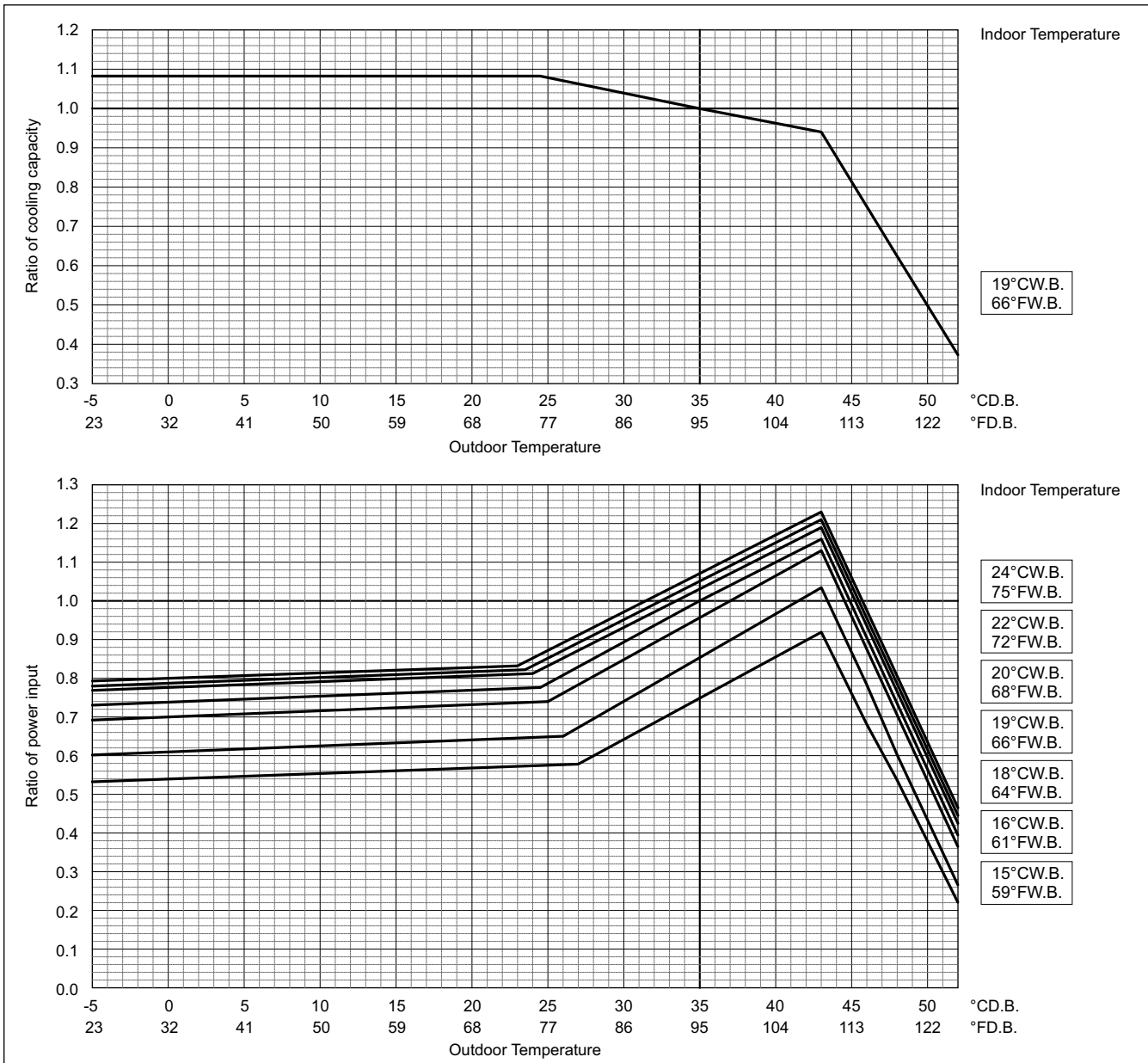
Indoor unit temperature correction

To be used to correct indoor unit capacity only



Outdoor unit temperature correction

To be used to correct outdoor unit only

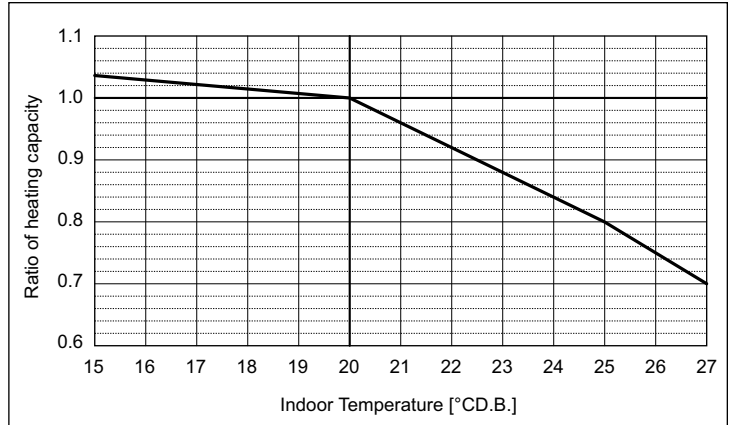


Outdoor unit power input is affected by the indoor and outdoor temperatures as shown in the graph above. Please consult the sales office for details.

| PUHY- | P300YKB-A1 | P350YKB-A1 | P400YKB-A1 |
|--------------------------|---------------|------------|------------|
| Nominal Heating Capacity | kW 37.5 | 45.0 | 50.0 |
| | BTU/h 128,000 | 153,500 | 170,600 |
| Input | kW 9.07 | 11.13 | 12.50 |

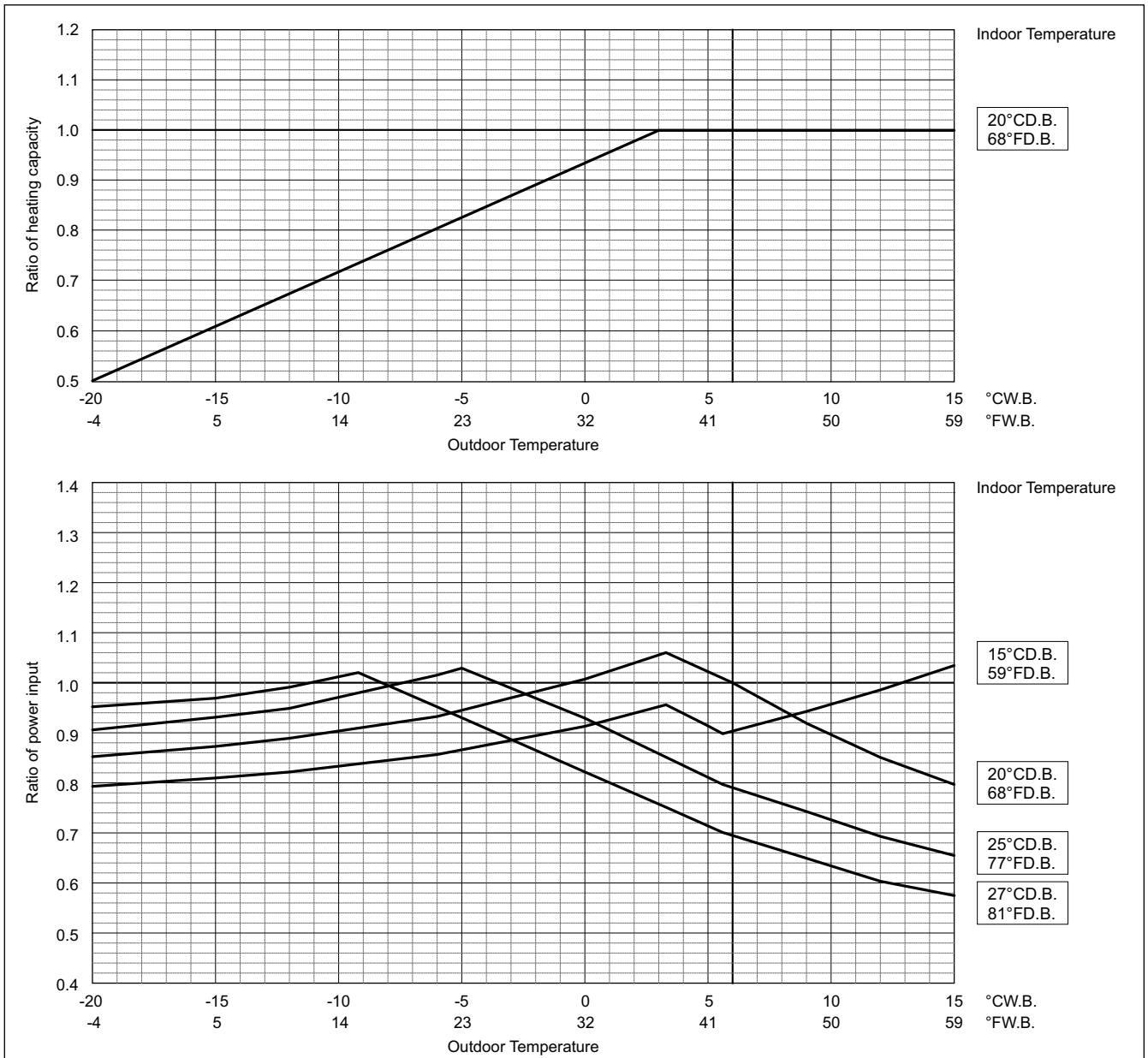
Indoor unit temperature correction

To be used to correct indoor unit capacity only



Outdoor unit temperature correction

To be used to correct outdoor unit only



Outdoor unit power input is affected by the indoor and outdoor temperatures as shown in the graph above. Please consult the sales office for details.

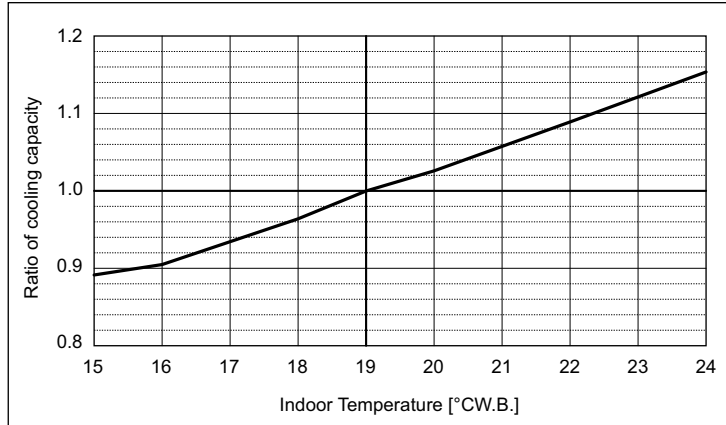
8. CAPACITY TABLES

Y

| PUHY- | P450YKB-A1 | P500YKB-A1 |
|--------------------------|------------|------------|
| Nominal Cooling Capacity | 50.0 | 55.0 |
| | 170,600 | 187,700 |
| Input | 14.79 | 18.39 |

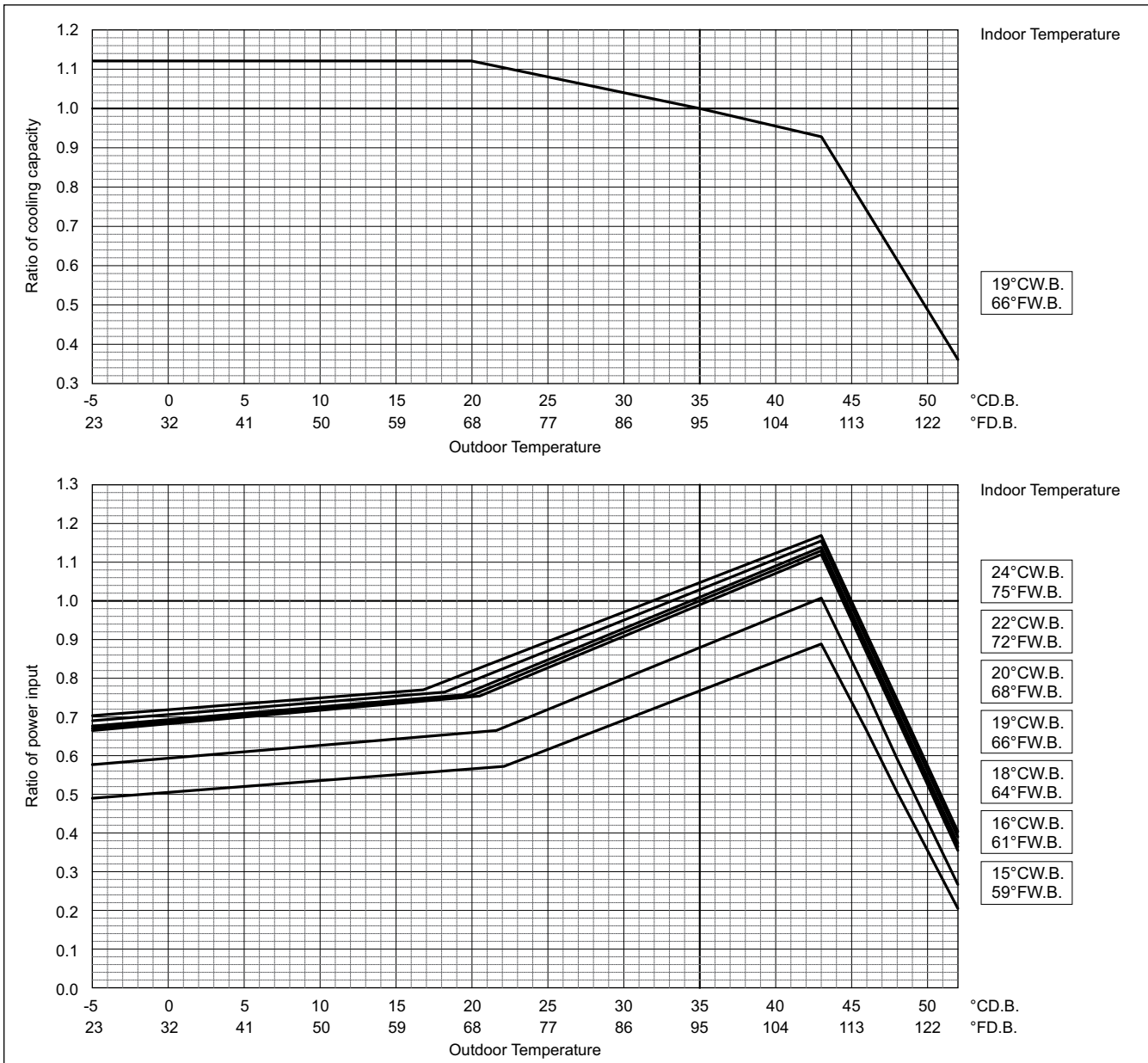
Indoor unit temperature correction

To be used to correct indoor unit capacity only



Outdoor unit temperature correction

To be used to correct outdoor unit only

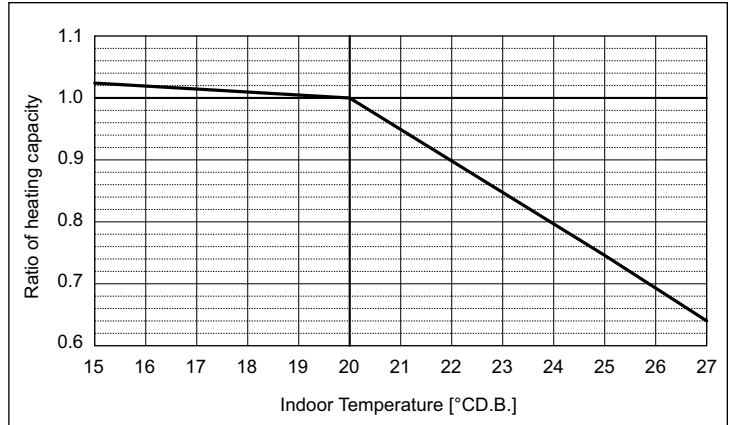


Outdoor unit power input is affected by the indoor and outdoor temperatures as shown in the graph above. Please consult the sales office for details.

| PUHY- | | P450YKB-A1 | P500YKB-A1 |
|--------------------------|-------|------------|------------|
| Nominal Heating Capacity | kW | 56.0 | 63.0 |
| | BTU/h | 191,100 | 215,000 |
| Input | kW | 15.55 | 18.52 |

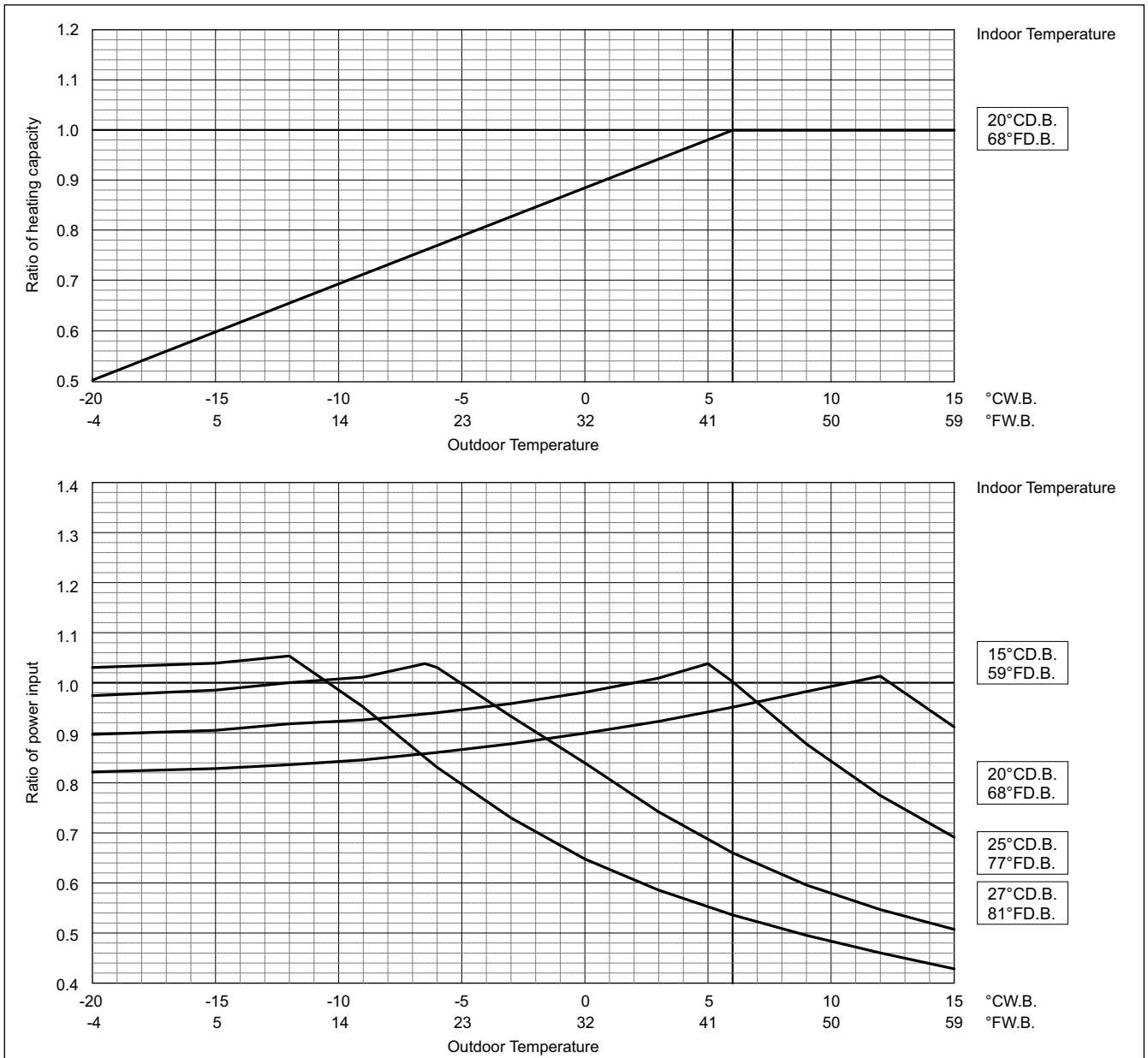
Indoor unit temperature correction

To be used to correct indoor unit capacity only



Outdoor unit temperature correction

To be used to correct outdoor unit only



Outdoor unit power input is affected by the indoor and outdoor temperatures as shown in the graph above. Please consult the sales office for details.

8. CAPACITY TABLES

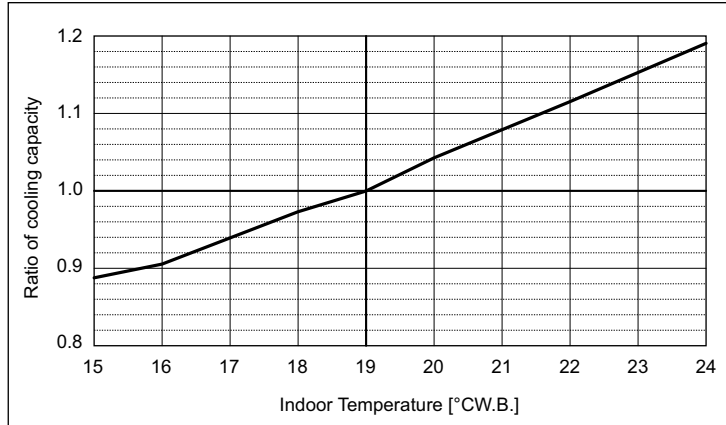
Y

| PUHY- | | P400YSKB-A1 | P450YSKB-A1 | P500YSKB-A1 |
|--------------------------|-------|-------------|-------------|-------------|
| Nominal Cooling Capacity | kW | 45.0 | 50.0 | 56.0 |
| | BTU/h | 153,500 | 170,600 | 191,100 |
| Input | kW | 11.0 | 12.59 | 14.54 |

| PUHY- | | P550YSKB-A1 | P600YSKB-A1 | P650YSKB-A1 |
|--------------------------|-------|-------------|-------------|-------------|
| Nominal Cooling Capacity | kW | 63.0 | 69.0 | 73.0 |
| | BTU/h | 215,000 | 235,400 | 249,100 |
| Input | kW | 16.66 | 19.43 | 20.97 |

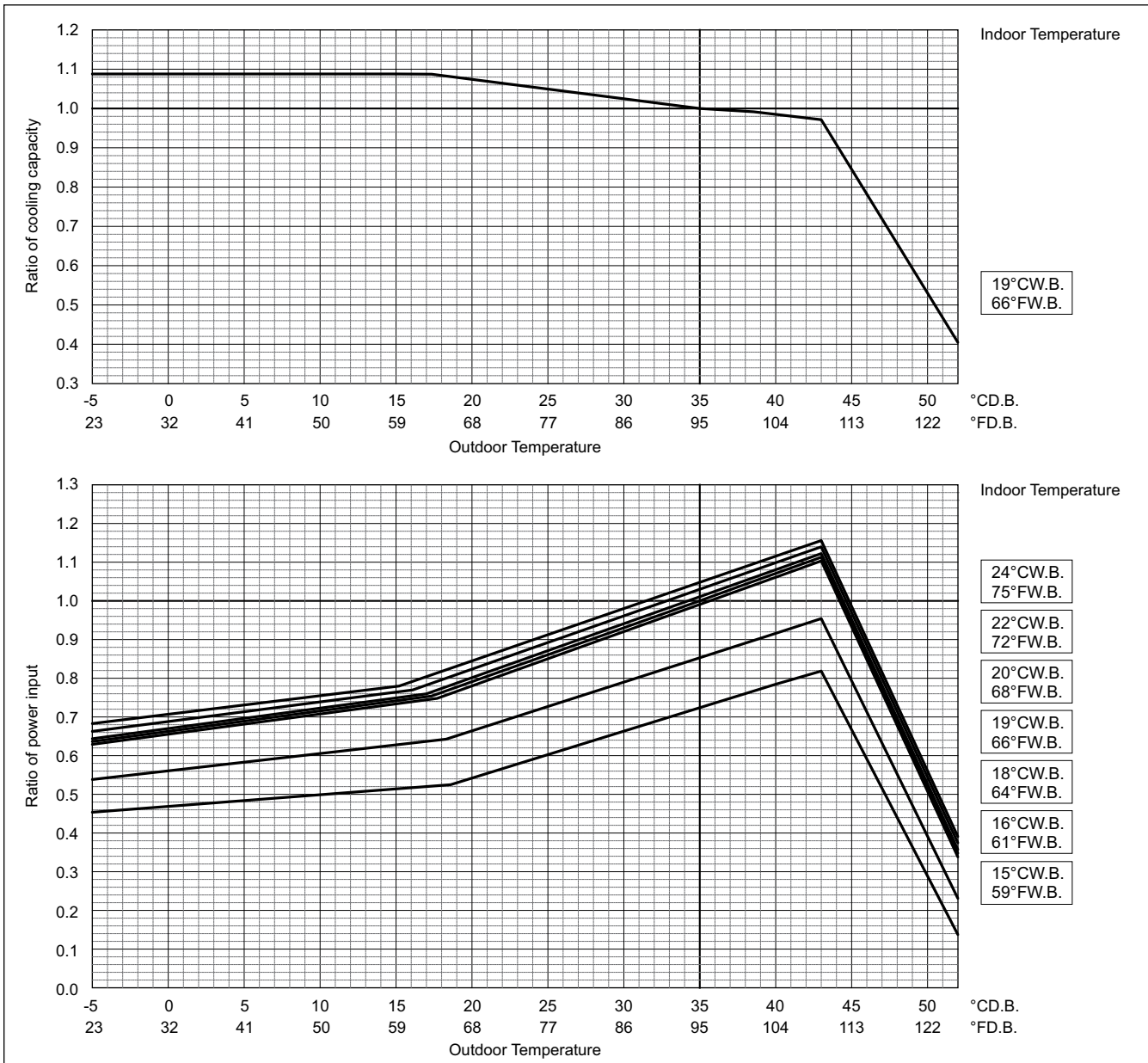
Indoor unit temperature correction

To be used to correct indoor unit capacity only



Outdoor unit temperature correction

To be used to correct outdoor unit only



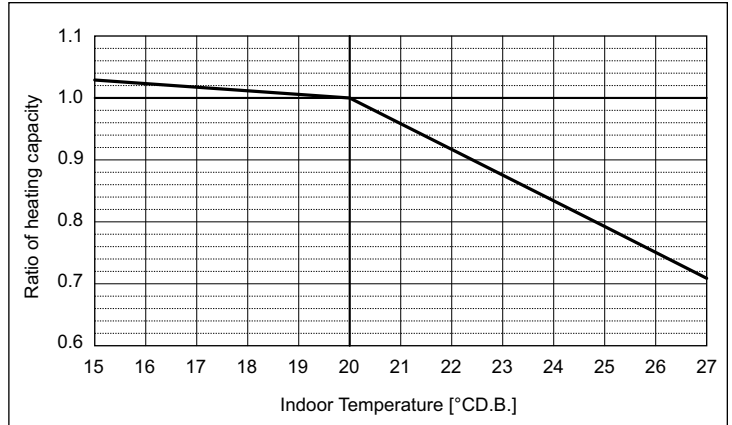
Outdoor unit power input is affected by the indoor and outdoor temperatures as shown in the graph above. Please consult the sales office for details.

| PUHY- | | P400YSKB-A1 | P450YSKB-A1 | P500YSKB-A1 |
|--------------------------|-------|-------------|-------------|-------------|
| Nominal Heating Capacity | kW | 50.0 | 56.0 | 63.0 |
| | BTU/h | 170,600 | 191,100 | 215,000 |
| Input | kW | 12.24 | 13.72 | 15.46 |

| PUHY- | | P550YSKB-A1 | P600YSKB-A1 | P650YSKB-A1 |
|--------------------------|-------|-------------|-------------|-------------|
| Nominal Heating Capacity | kW | 69.0 | 76.5 | 81.5 |
| | BTU/h | 235,400 | 261,000 | 278,100 |
| Input | kW | 17.29 | 19.36 | 21.00 |

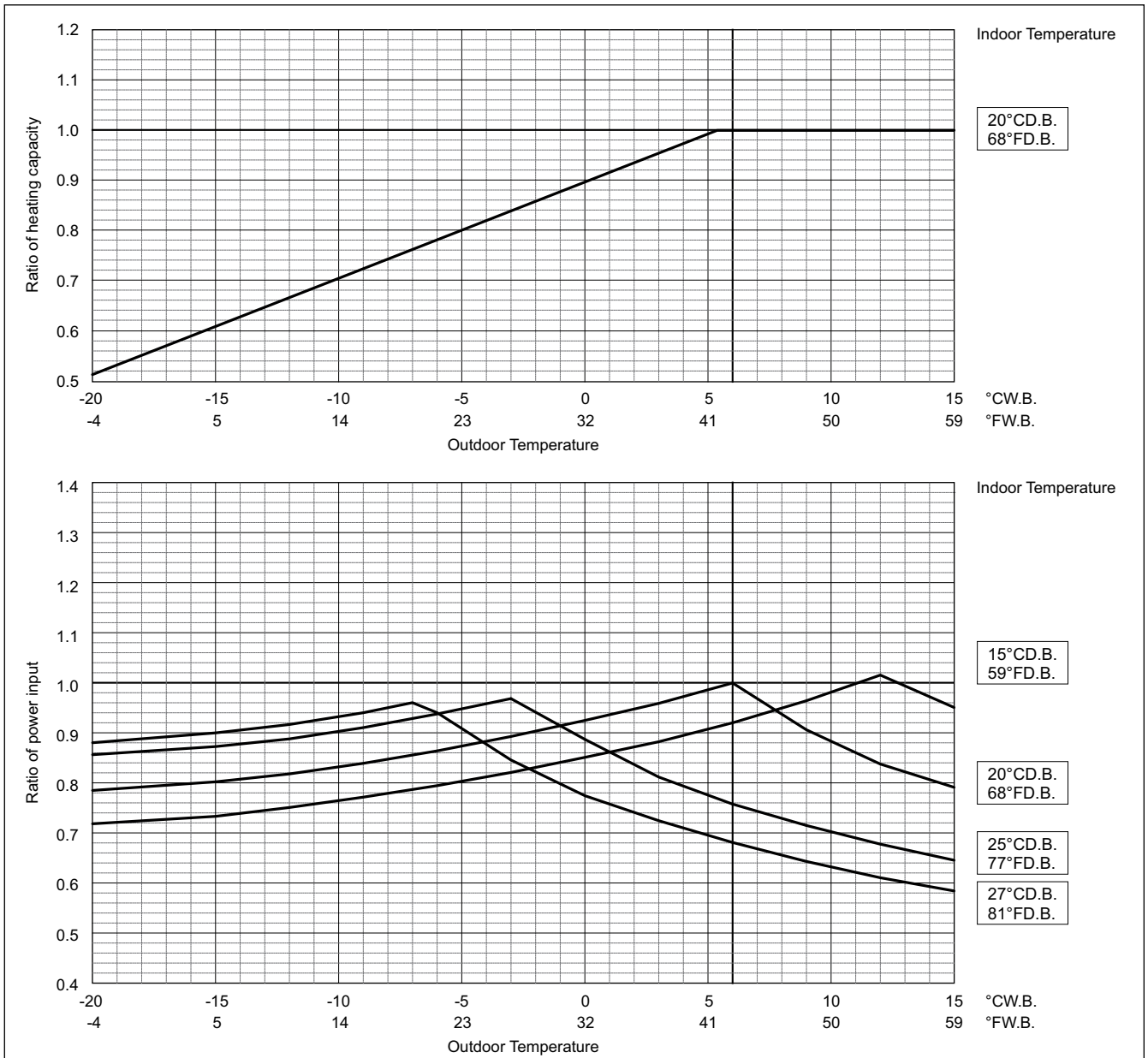
Indoor unit temperature correction

To be used to correct indoor unit capacity only



Outdoor unit temperature correction

To be used to correct outdoor unit only



Outdoor unit power input is affected by the indoor and outdoor temperatures as shown in the graph above. Please consult the sales office for details.

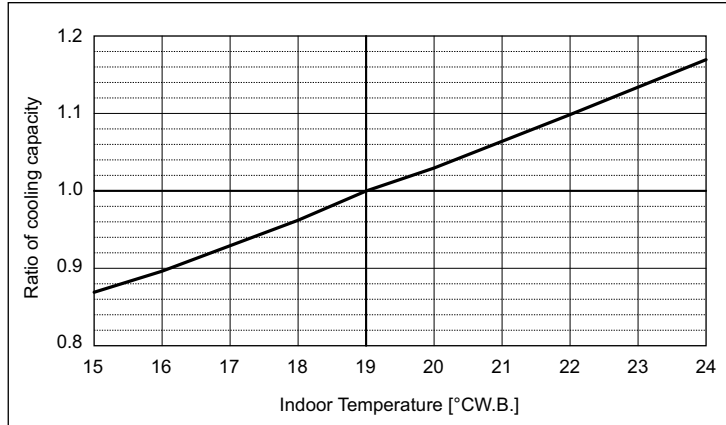
8. CAPACITY TABLES

Y

| PUHY- | P700YSKB-A1 | P750YSKB-A1 | P800YSKB-A1 |
|--------------------------|-------------|-------------|-------------|
| Nominal Cooling Capacity | 80.0 | 85.0 | 90.0 |
| BTU/h | 273,000 | 290,000 | 307,100 |
| Input | 24.69 | 26.56 | 27.86 |
| kW | | | |

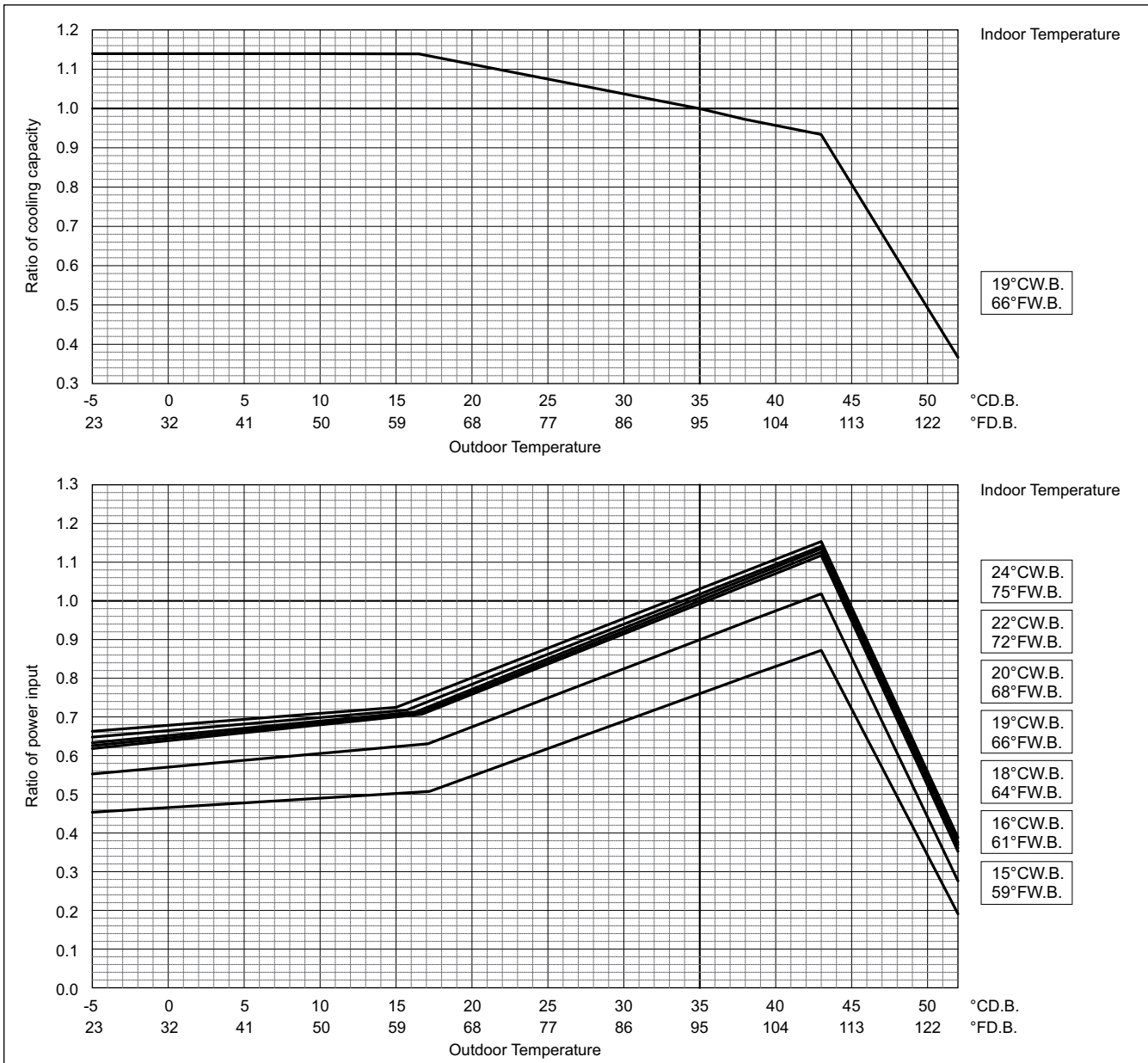
Indoor unit temperature correction

To be used to correct indoor unit capacity only



Outdoor unit temperature correction

To be used to correct outdoor unit only

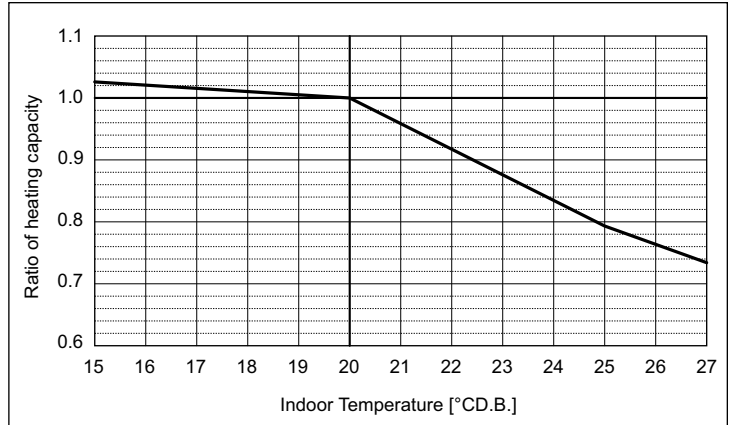


Outdoor unit power input is affected by the indoor and outdoor temperatures as shown in the graph above. Please consult the sales office for details.

| PUHY- | P700YSKB-A1 | P750YSKB-A1 | P800YSKB-A1 |
|--------------------------|---------------|-------------|-------------|
| Nominal Heating Capacity | kW 88.0 | 95.0 | 100.0 |
| | BTU/h 300,300 | 324,100 | 341,200 |
| Input | kW 22.97 | 24.93 | 27.62 |

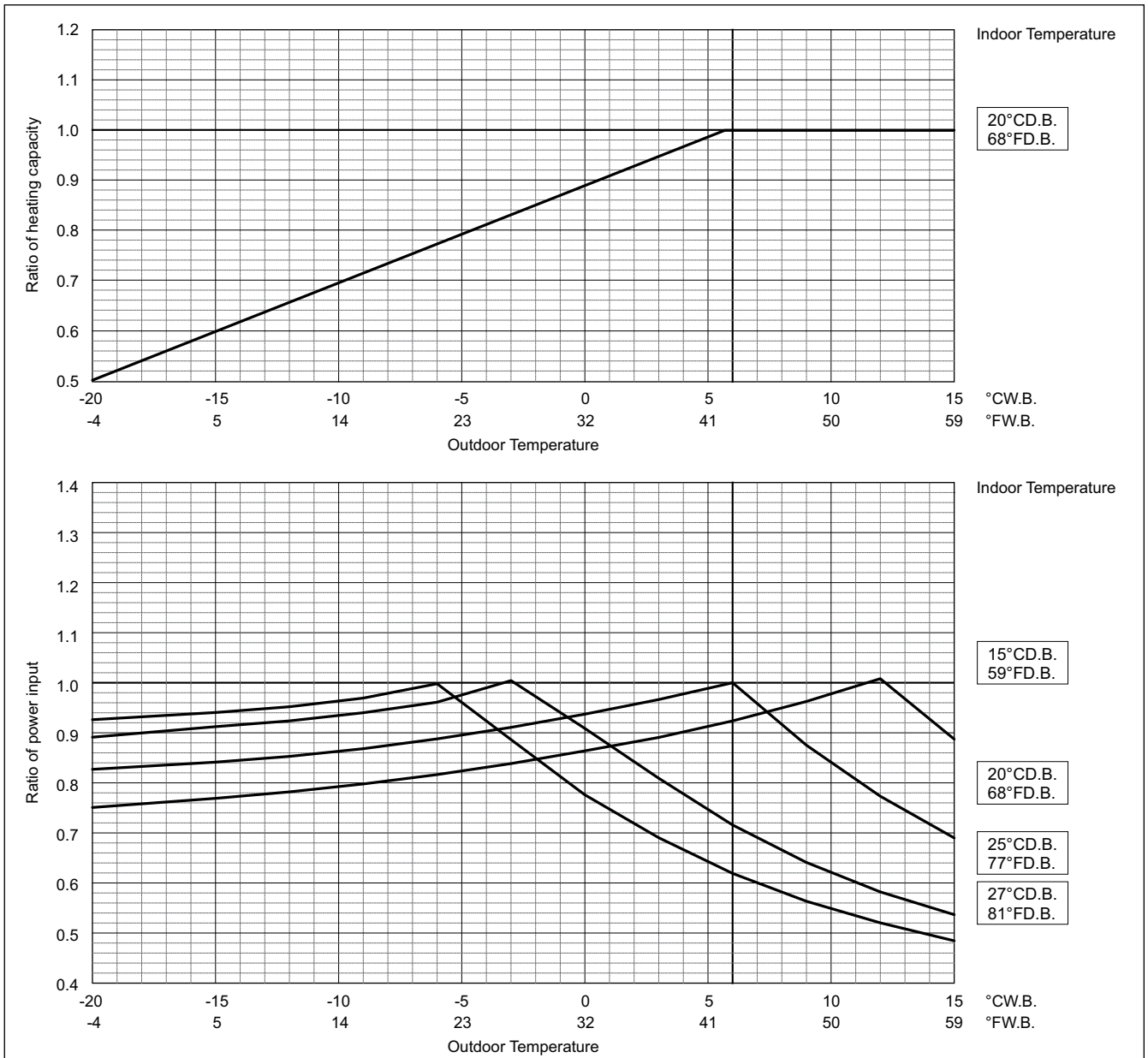
Indoor unit temperature correction

To be used to correct indoor unit capacity only



Outdoor unit temperature correction

To be used to correct outdoor unit only



Outdoor unit power input is affected by the indoor and outdoor temperatures as shown in the graph above. Please consult the sales office for details.

8. CAPACITY TABLES

| PUHY- | | P850YSKB-A1 | P900YSKB-A1 | P950YSKB-A1 |
|--------------------------|-------|-------------|-------------|-------------|
| Nominal Cooling Capacity | kW | 96.0 | 101.0 | 108.0 |
| | BTU/h | 327,600 | 344,600 | 368,500 |
| Input | kW | 30.18 | 31.46 | 30.25 |

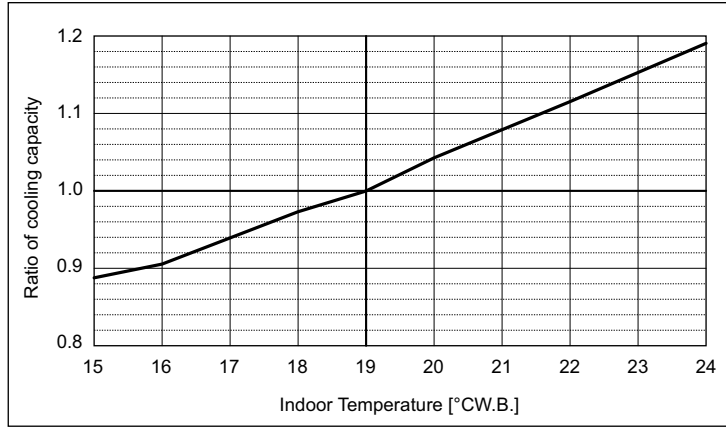
| PUHY- | | P1000YSKB-A1 | P1050YSKB-A1 | P1100YSKB-A1 |
|--------------------------|-------|--------------|--------------|--------------|
| Nominal Cooling Capacity | kW | 113.0 | 118.0 | 124.0 |
| | BTU/h | 385,600 | 402,600 | 423,100 |
| Input | kW | 32.10 | 35.01 | 38.62 |

| PUHY- | | P1150YSKB-A1 | P1200YSKB-A1 | P1250YSKB-A1 |
|--------------------------|-------|--------------|--------------|--------------|
| Nominal Cooling Capacity | kW | 130.0 | 136.0 | 140.0 |
| | BTU/h | 443,600 | 464,000 | 477,700 |
| Input | kW | 40.24 | 44.10 | 43.80 |

| PUHY- | | P1300YSKB-A1 | P1350YSKB-A1 |
|--------------------------|-------|--------------|--------------|
| Nominal Cooling Capacity | kW | 146.0 | 150.0 |
| | BTU/h | 498,200 | 511,800 |
| Input | kW | 47.80 | 47.40 |

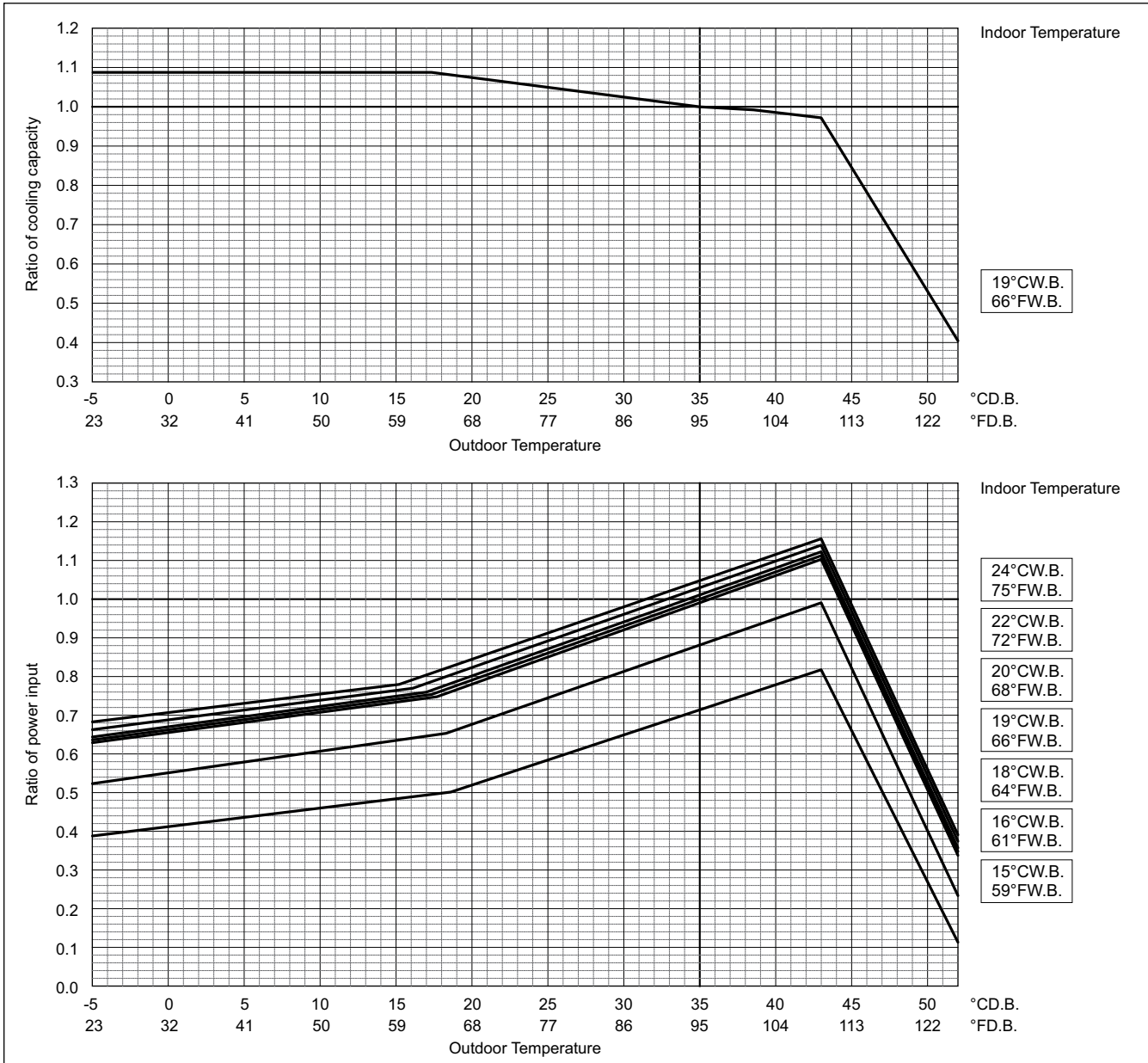
Indoor unit temperature correction

To be used to correct indoor unit capacity only



Outdoor unit temperature correction

To be used to correct outdoor unit only



Outdoor unit power input is affected by the indoor and outdoor temperatures as shown in the graph above. Please consult the sales office for details.

8. CAPACITY TABLES

| PUHY- | P850YSKB-A1 | P900YSKB-A1 | P950YSKB-A1 |
|--------------------------|---------------|-------------|-------------|
| Nominal Heating Capacity | kW 108.0 | 113.0 | 119.5 |
| | BTU/h 368,500 | 385,600 | 407,700 |
| Input | kW 29.90 | 33.00 | 30.40 |

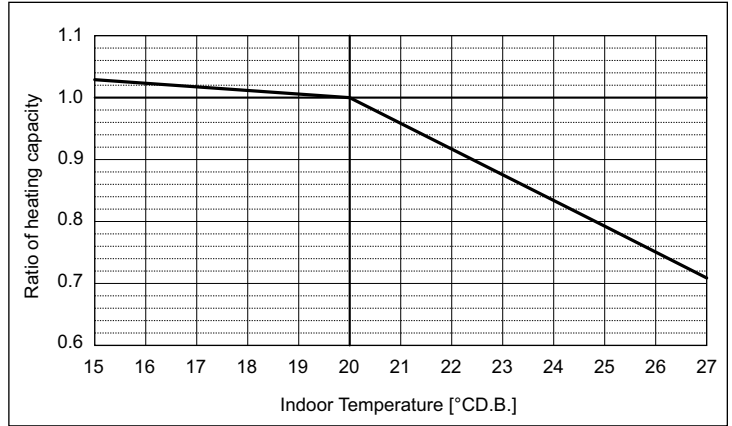
| PUHY- | P1000YSKB-A1 | P1050YSKB-A1 | P1100YSKB-A1 |
|--------------------------|---------------|--------------|--------------|
| Nominal Heating Capacity | kW 127.0 | 132.0 | 140.0 |
| | BTU/h 433,300 | 450,400 | 477,700 |
| Input | kW 32.70 | 34.25 | 36.60 |

| PUHY- | P1150YSKB-A1 | P1200YSKB-A1 | P1250YSKB-A1 |
|--------------------------|---------------|--------------|--------------|
| Nominal Heating Capacity | kW 145.0 | 150.0 | 156.5 |
| | BTU/h 494,700 | 511,800 | 534,000 |
| Input | kW 39.29 | 40.76 | 44.08 |

| PUHY- | P1300YSKB-A1 | P1350YSKB-A1 |
|--------------------------|---------------|--------------|
| Nominal Heating Capacity | kW 163.0 | 168.0 |
| | BTU/h 556,200 | 573,200 |
| Input | kW 46.04 | 49.12 |

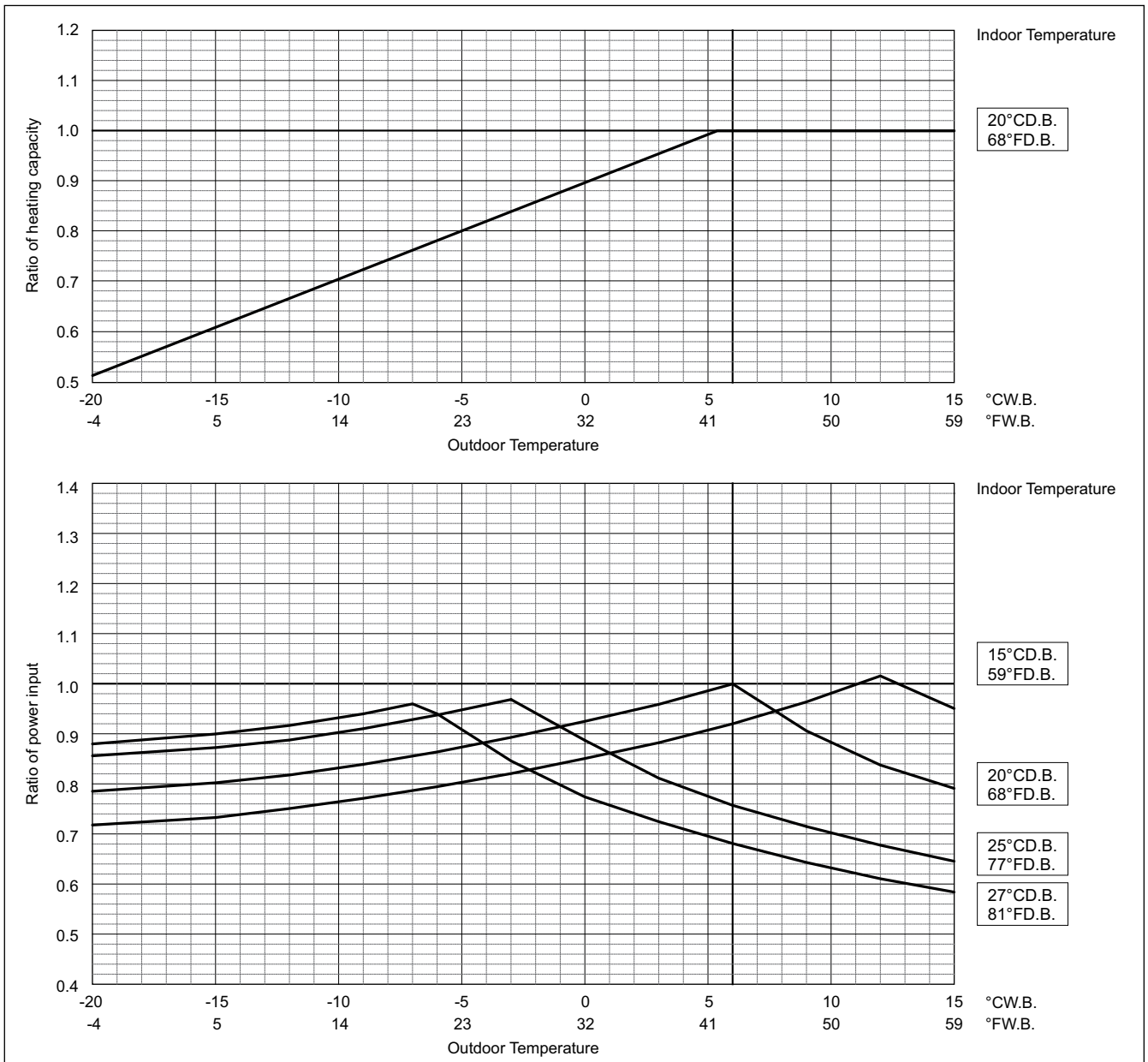
Indoor unit temperature correction

To be used to correct indoor unit capacity only



Outdoor unit temperature correction

To be used to correct outdoor unit only



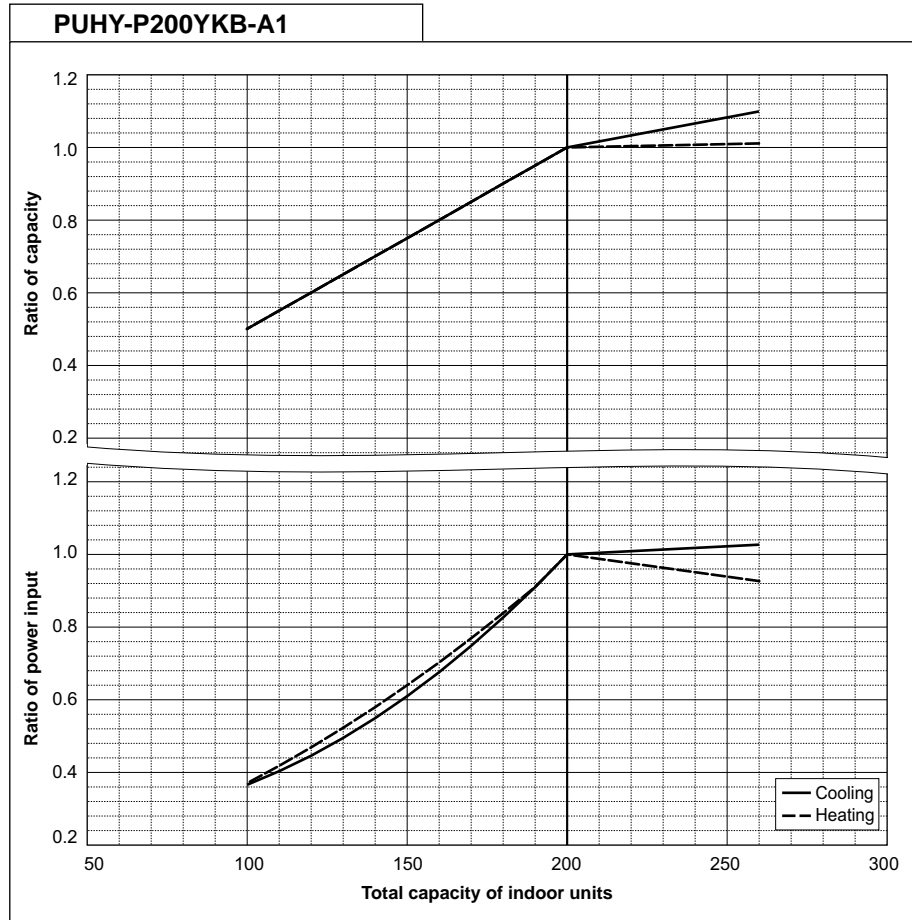
Outdoor unit power input is affected by the indoor and outdoor temperatures as shown in the graph above. Please consult the sales office for details.

8-3. Correction by total indoor

CITY MULTI system have different capacities and inputs when many combinations of indoor units with different total capacities are connected. Using following tables, the maximum capacity can be found to ensure the system is installed with enough capacity for a particular application.

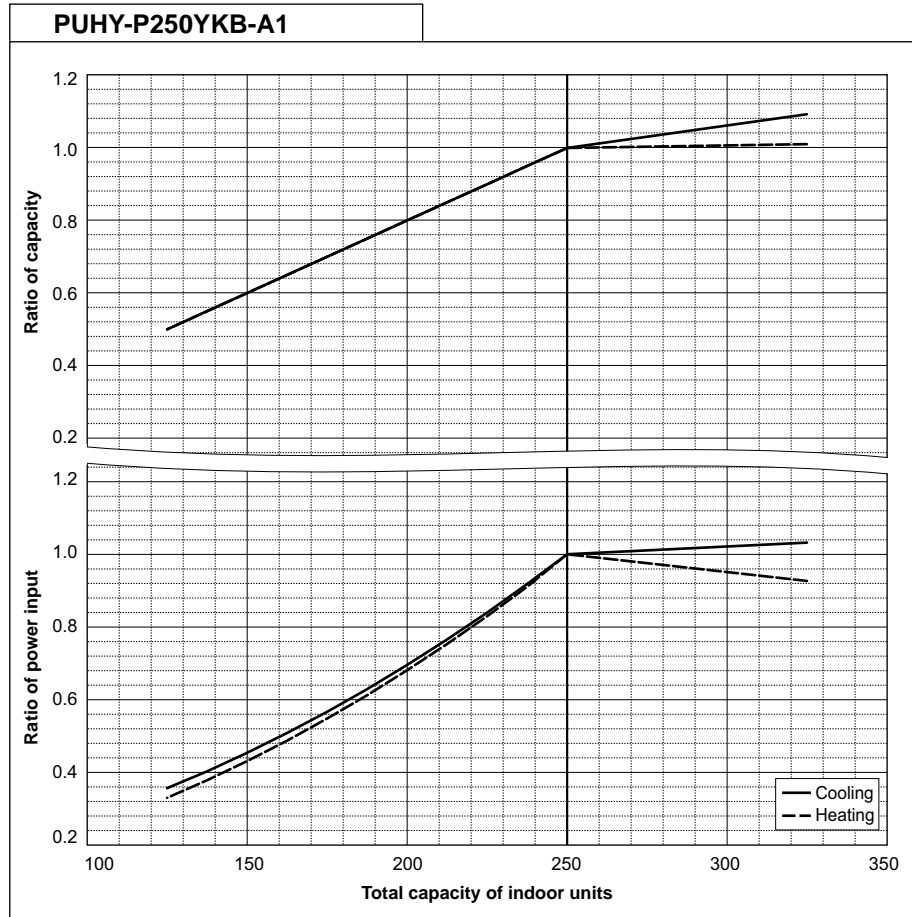
| PUHY-P200YKB-A1 | | |
|--------------------------|-------|--------|
| Nominal Cooling Capacity | kW | 22.4 |
| | BTU/h | 76,400 |
| Input | kW | 5.19 |

| PUHY-P200YKB-A1 | | |
|--------------------------|-------|--------|
| Nominal Heating Capacity | kW | 25.0 |
| | BTU/h | 85,300 |
| Input | kW | 5.81 |



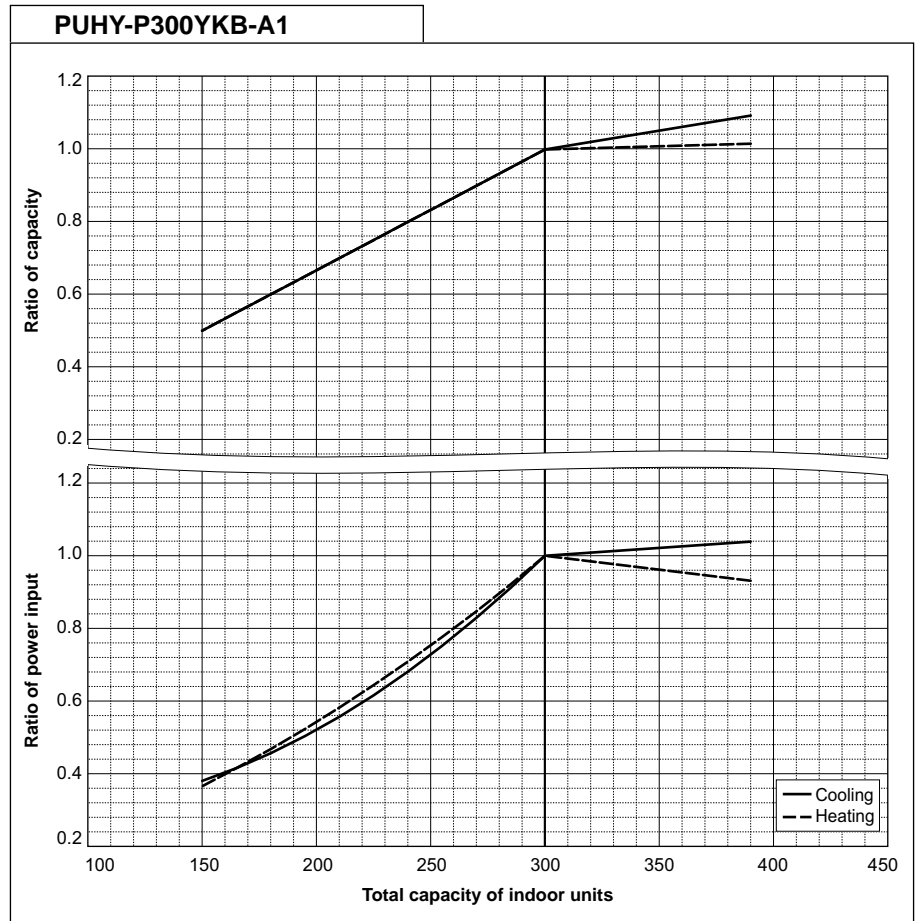
| PUHY-P250YKB-A1 | | |
|--------------------------|-------|--------|
| Nominal Cooling Capacity | kW | 28.0 |
| | BTU/h | 95,500 |
| Input | kW | 6.88 |

| PUHY-P250YKB-A1 | | |
|--------------------------|-------|---------|
| Nominal Heating Capacity | kW | 31.5 |
| | BTU/h | 107,500 |
| Input | kW | 7.34 |



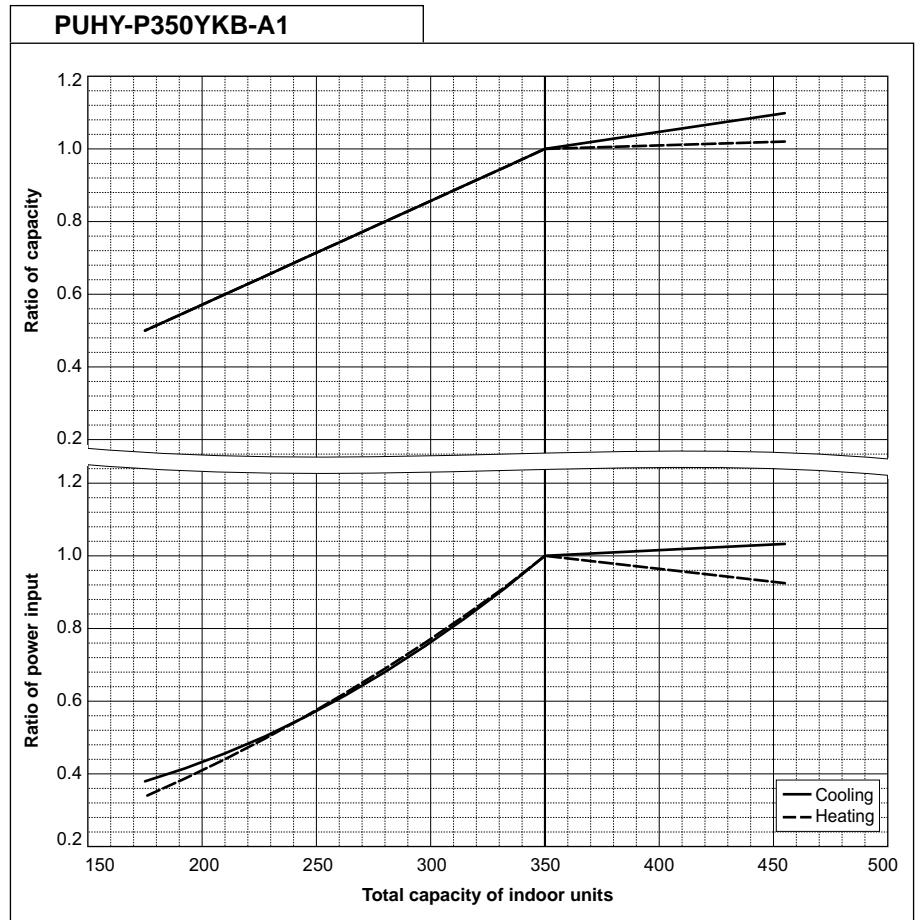
| PUHY-P300YKB-A1 | | |
|--------------------------|-------|---------|
| Nominal Cooling Capacity | kW | 33.5 |
| | BTU/h | 114,300 |
| Input | kW | 8.56 |

| PUHY-P300YKB-A1 | | |
|--------------------------|-------|---------|
| Nominal Heating Capacity | kW | 37.5 |
| | BTU/h | 128,000 |
| Input | kW | 9.07 |



| PUHY-P350YKB-A1 | | |
|--------------------------|-------|---------|
| Nominal Cooling Capacity | kW | 40.0 |
| | BTU/h | 136,500 |
| Input | kW | 11.69 |

| PUHY-P350YKB-A1 | | |
|--------------------------|-------|---------|
| Nominal Heating Capacity | kW | 45.0 |
| | BTU/h | 153,500 |
| Input | kW | 11.13 |

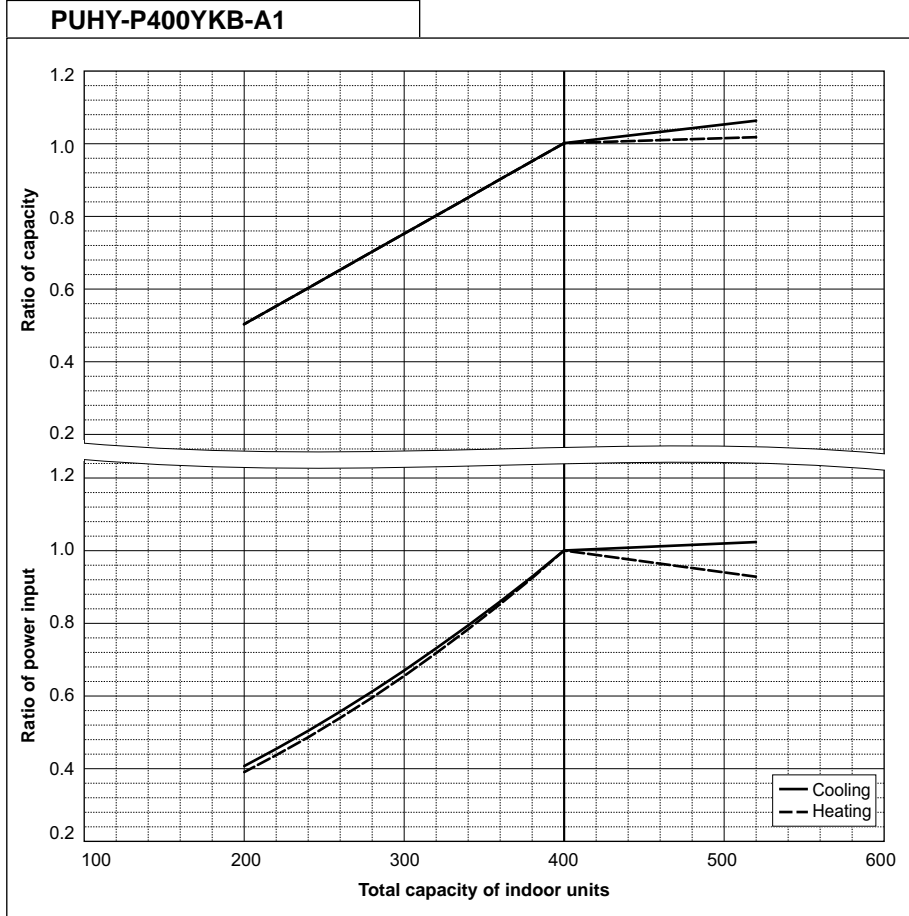


8. CAPACITY TABLES

Y

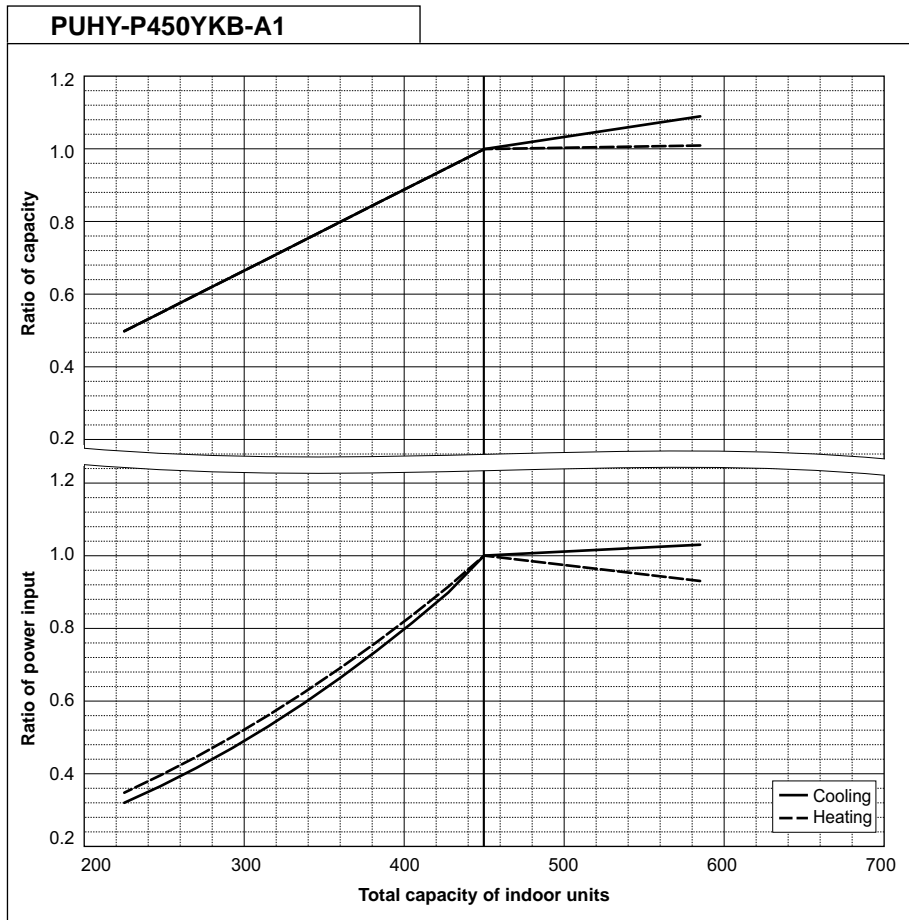
| PUHY-P400YKB-A1 | | |
|--------------------------|-------|---------|
| Nominal Cooling Capacity | kW | 45.0 |
| | BTU/h | 153,500 |
| Input | kW | 13.55 |

| PUHY-P400YKB-A1 | | |
|--------------------------|-------|---------|
| Nominal Heating Capacity | kW | 50.0 |
| | BTU/h | 170,600 |
| Input | kW | 12.50 |



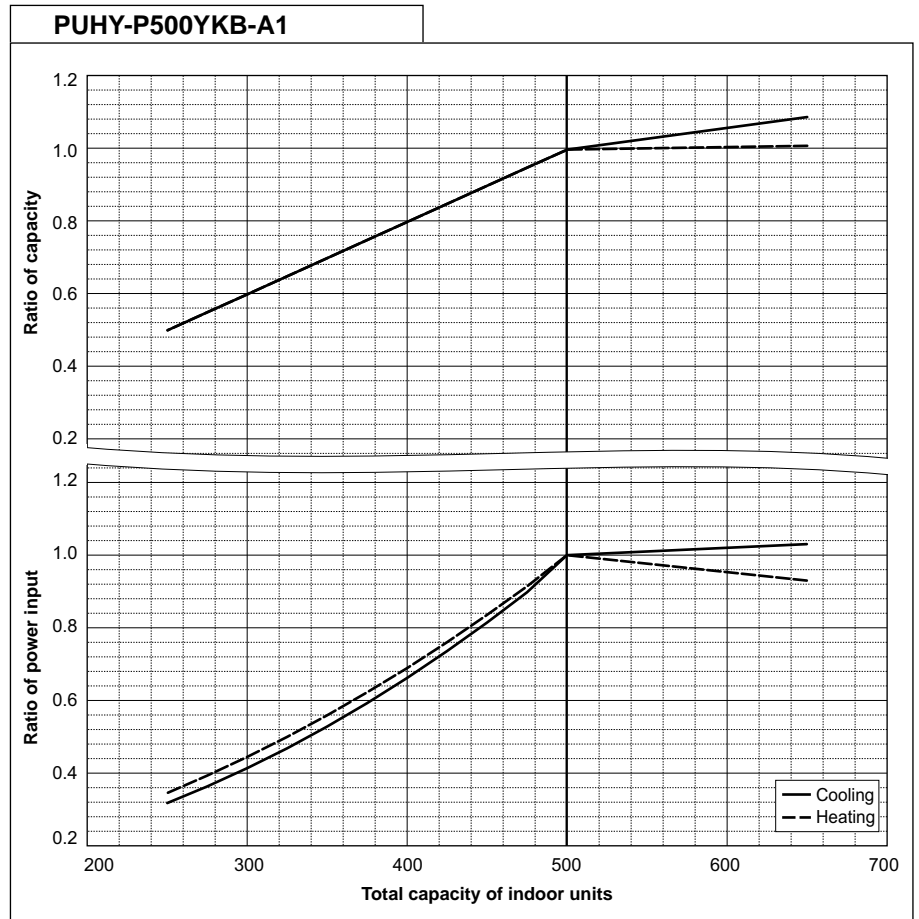
| PUHY-P450YKB-A1 | | |
|--------------------------|-------|---------|
| Nominal Cooling Capacity | kW | 50.0 |
| | BTU/h | 170,600 |
| Input | kW | 14.79 |

| PUHY-P450YKB-A1 | | |
|--------------------------|-------|---------|
| Nominal Heating Capacity | kW | 56.0 |
| | BTU/h | 191,100 |
| Input | kW | 15.55 |



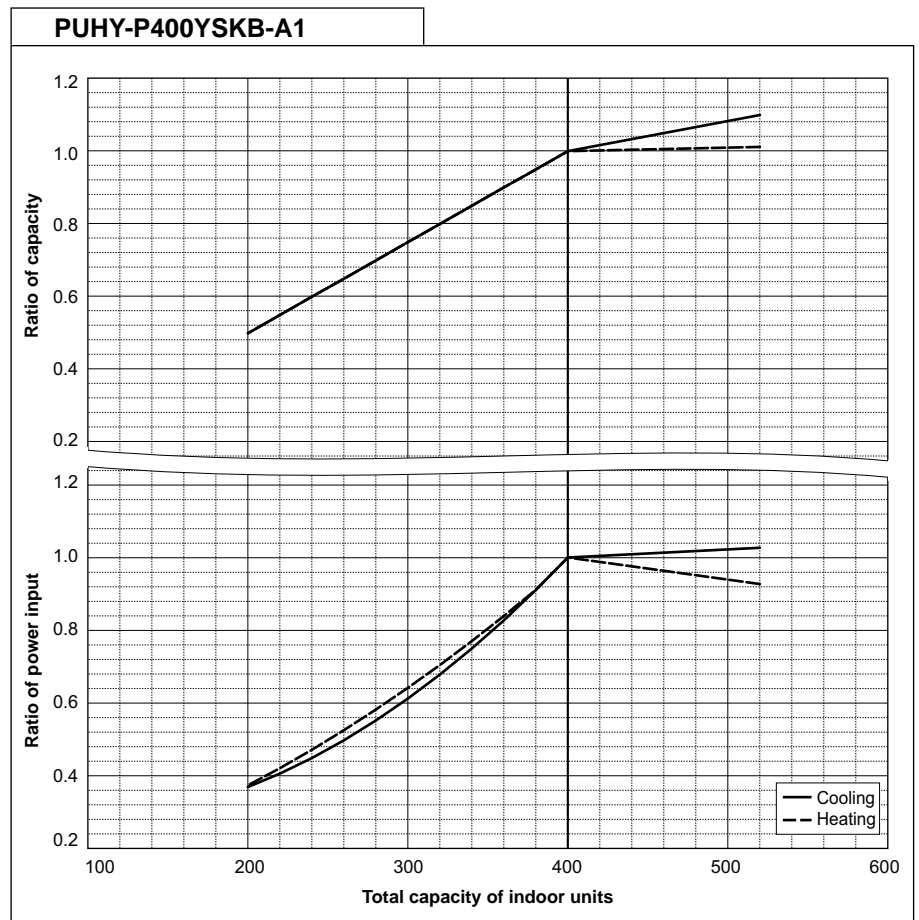
| PUHY-P500YKB-A1 | | |
|--------------------------|-------|---------|
| Nominal Cooling Capacity | kW | 55.0 |
| | BTU/h | 187,700 |
| Input | kW | 18.39 |

| PUHY-P500YKB-A1 | | |
|--------------------------|-------|---------|
| Nominal Heating Capacity | kW | 63.0 |
| | BTU/h | 215,000 |
| Input | kW | 18.52 |



| PUHY-P400YSKB-A1 | | |
|--------------------------|-------|---------|
| Nominal Cooling Capacity | kW | 45.0 |
| | BTU/h | 153,500 |
| Input | kW | 11.0 |

| PUHY-P400YSKB-A1 | | |
|--------------------------|-------|---------|
| Nominal Heating Capacity | kW | 50.0 |
| | BTU/h | 170,600 |
| Input | kW | 12.24 |

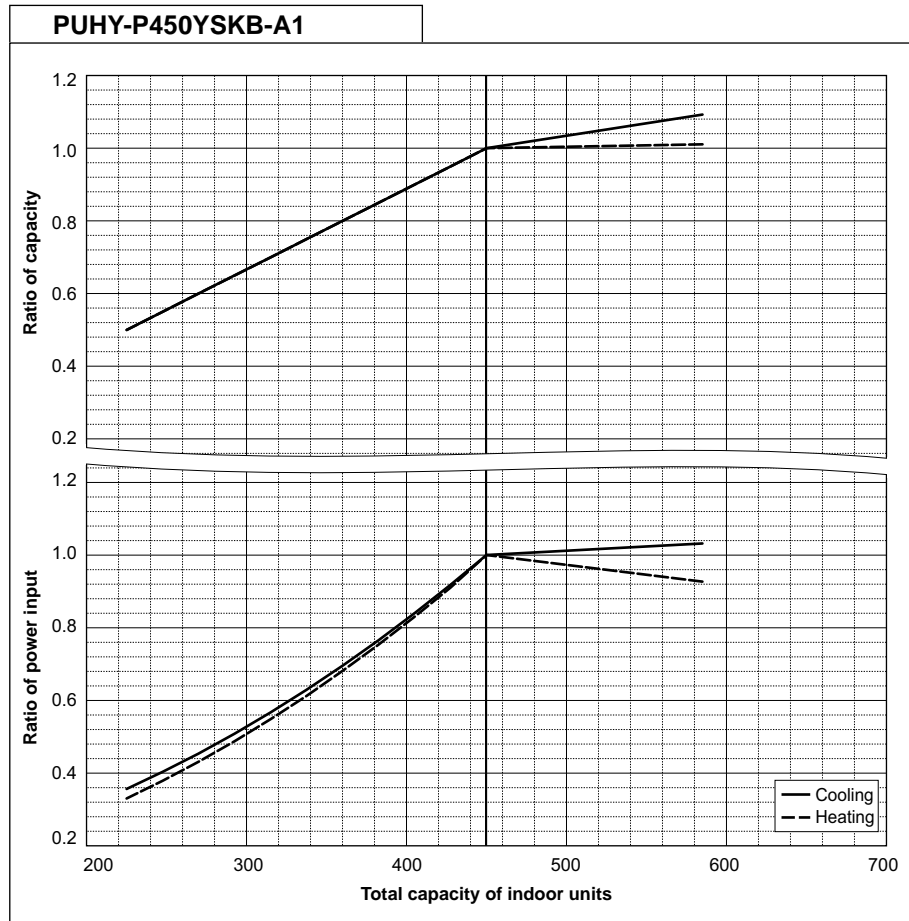


8. CAPACITY TABLES

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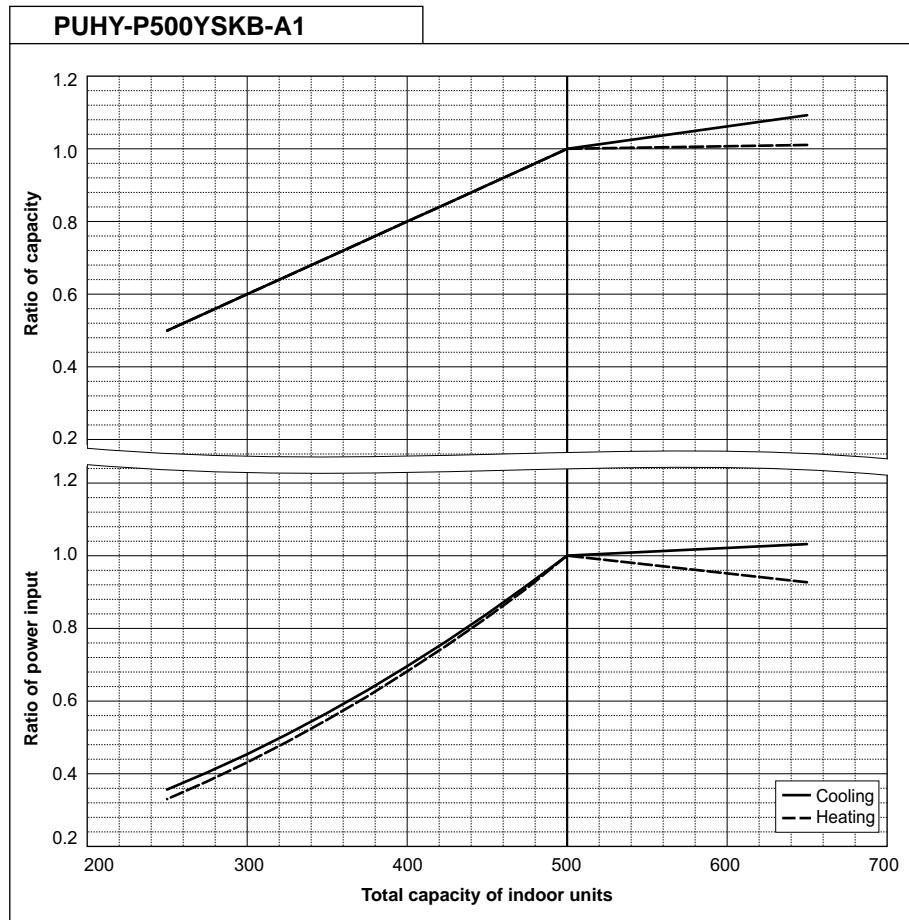
| PUHY-P450YSKB-A1 | | |
|--------------------------|-------|---------|
| Nominal Cooling Capacity | kW | 50.0 |
| | BTU/h | 170,600 |
| Input | kW | 12.59 |

| PUHY-P450YSKB-A1 | | |
|--------------------------|-------|---------|
| Nominal Heating Capacity | kW | 56.0 |
| | BTU/h | 191,100 |
| Input | kW | 13.72 |



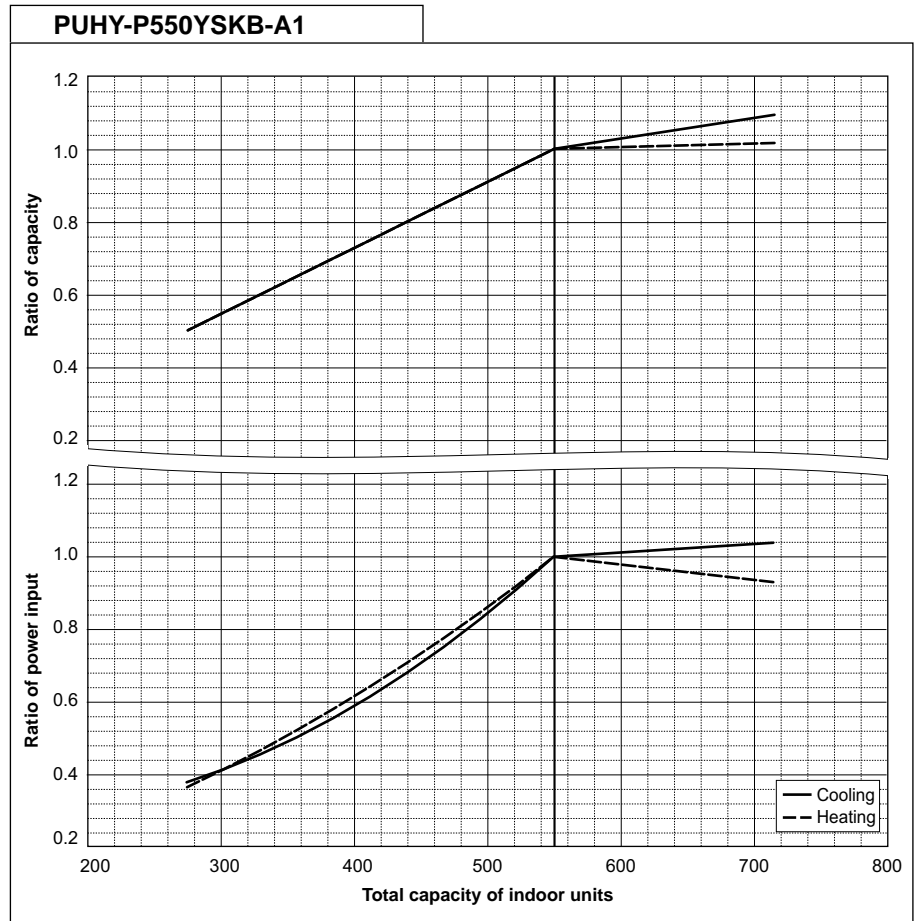
| PUHY-P500YSKB-A1 | | |
|--------------------------|-------|---------|
| Nominal Cooling Capacity | kW | 56.0 |
| | BTU/h | 191,100 |
| Input | kW | 14.54 |

| PUHY-P500YSKB-A1 | | |
|--------------------------|-------|---------|
| Nominal Heating Capacity | kW | 63.0 |
| | BTU/h | 215,000 |
| Input | kW | 15.46 |



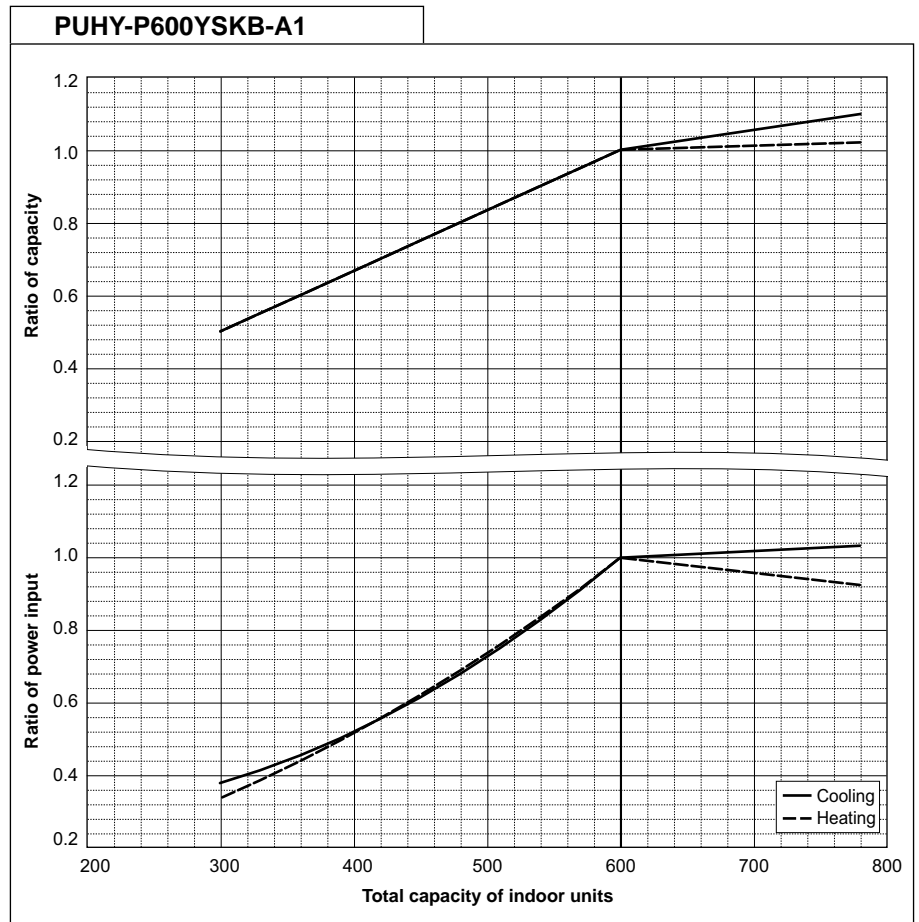
| PUHY-P550YSKB-A1 | | |
|--------------------------|-------|---------|
| Nominal Cooling Capacity | kW | 63.0 |
| | BTU/h | 215,000 |
| Input | kW | 16.66 |

| PUHY-P550YSKB-A1 | | |
|--------------------------|-------|---------|
| Nominal Heating Capacity | kW | 69.0 |
| | BTU/h | 235,400 |
| Input | kW | 17.29 |



| PUHY-P600YSKB-A1 | | |
|--------------------------|-------|---------|
| Nominal Cooling Capacity | kW | 69.0 |
| | BTU/h | 235,400 |
| Input | kW | 19.43 |

| PUHY-P600YSKB-A1 | | |
|--------------------------|-------|---------|
| Nominal Heating Capacity | kW | 76.5 |
| | BTU/h | 261,000 |
| Input | kW | 19.36 |

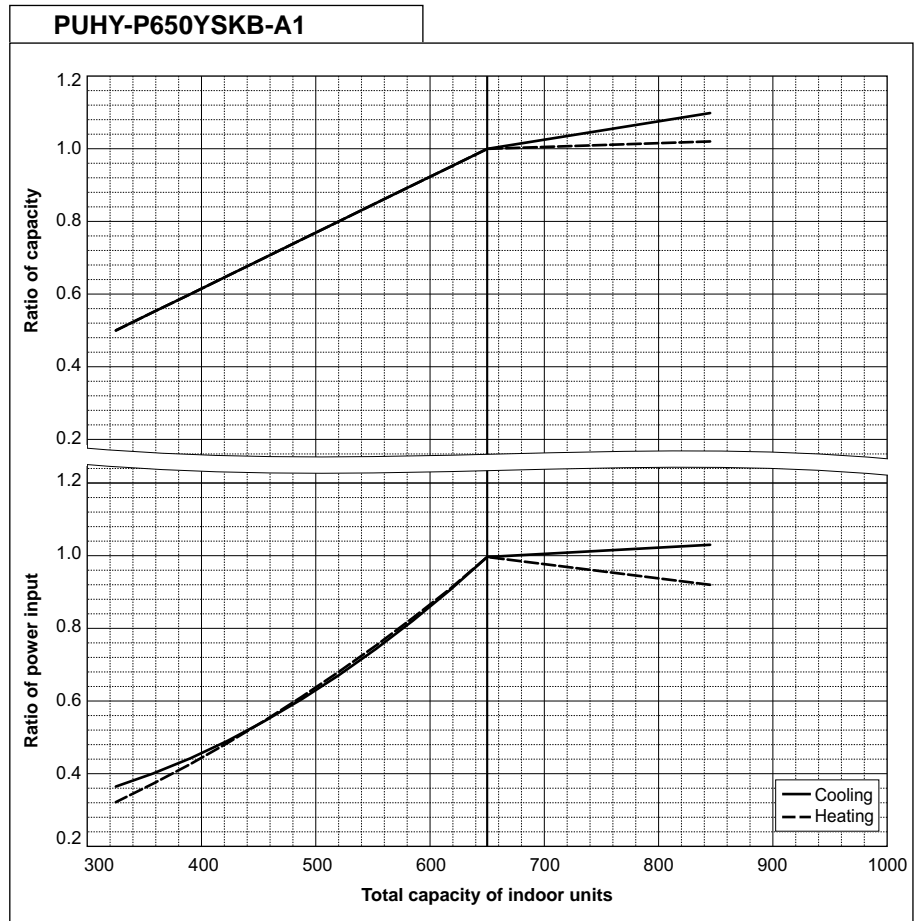


8. CAPACITY TABLES

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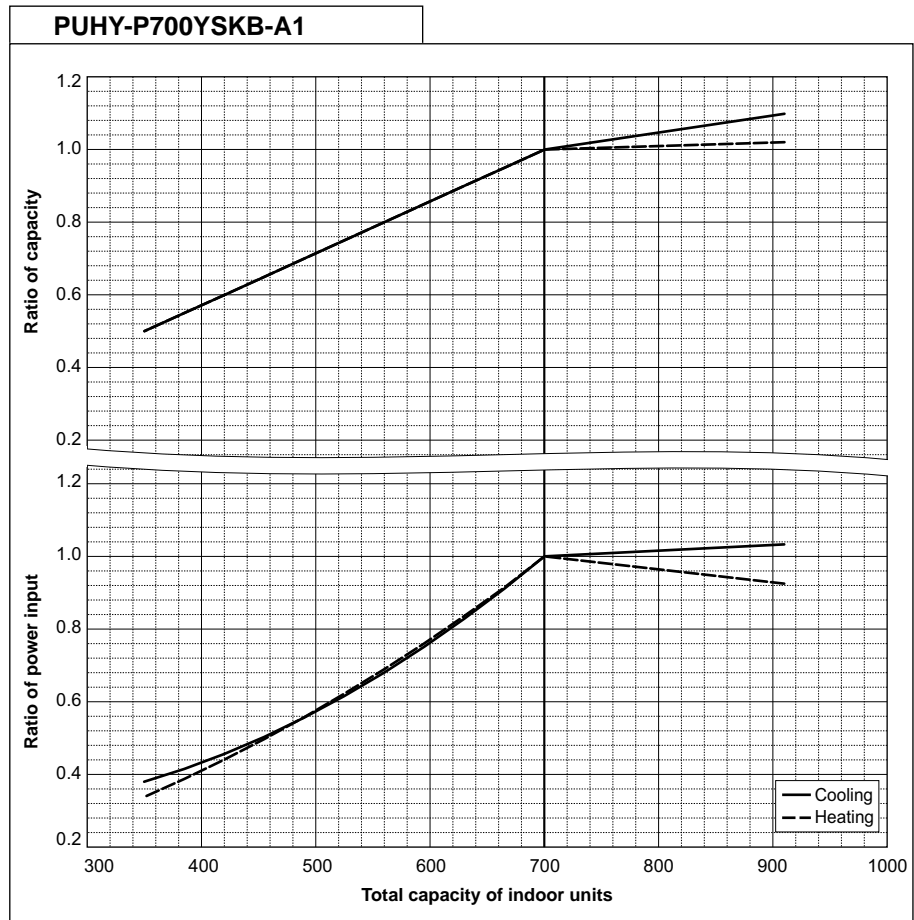
| PUHY-P650YSKB-A1 | | |
|--------------------------|-------|---------|
| Nominal Cooling Capacity | kW | 73.0 |
| | BTU/h | 249,100 |
| Input | kW | 20.97 |

| PUHY-P650YSKB-A1 | | |
|--------------------------|-------|---------|
| Nominal Heating Capacity | kW | 81.5 |
| | BTU/h | 278,100 |
| Input | kW | 21.00 |



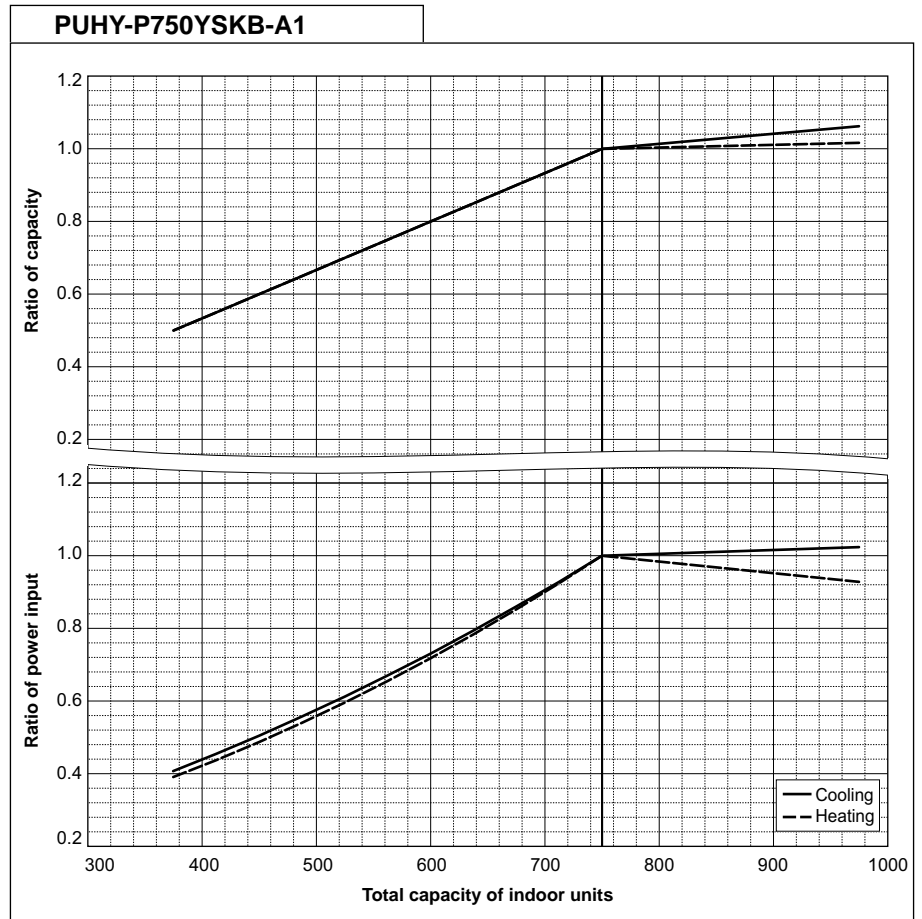
| PUHY-P700YSKB-A1 | | |
|--------------------------|-------|---------|
| Nominal Cooling Capacity | kW | 80.0 |
| | BTU/h | 273,000 |
| Input | kW | 24.69 |

| PUHY-P700YSKB-A1 | | |
|--------------------------|-------|---------|
| Nominal Heating Capacity | kW | 88.0 |
| | BTU/h | 300,300 |
| Input | kW | 22.97 |



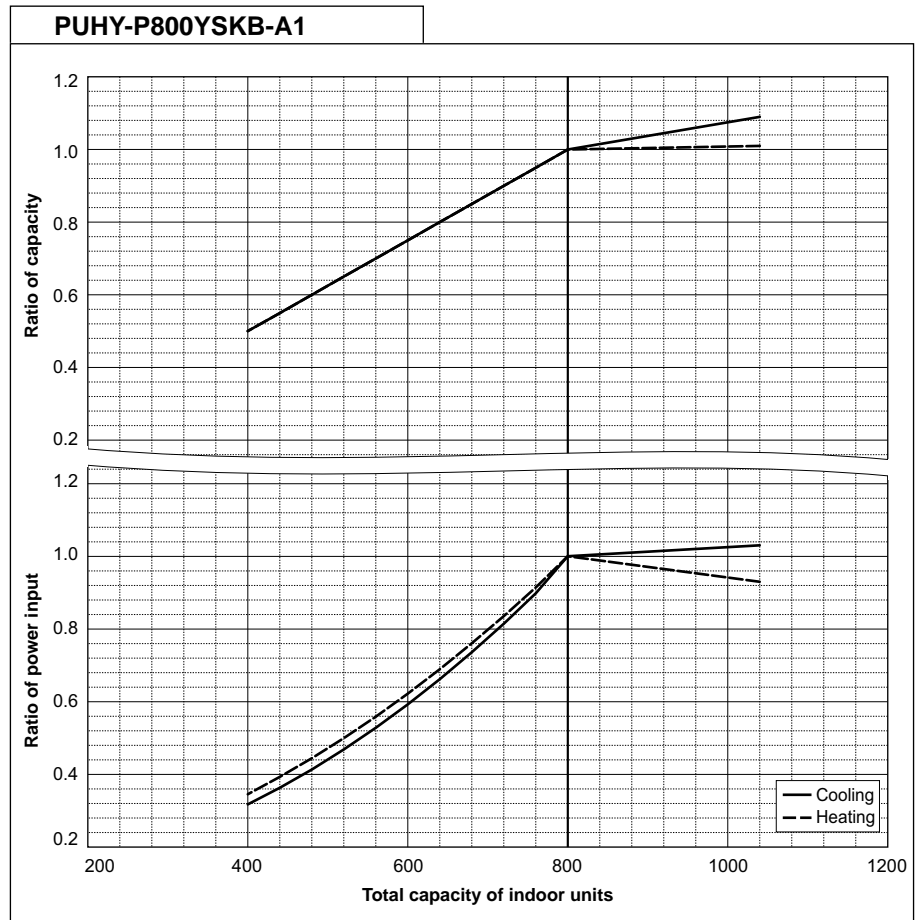
| PUHY-P750YSKB-A1 | | |
|--------------------------|-------|---------|
| Nominal Cooling Capacity | kW | 85.0 |
| | BTU/h | 290,000 |
| Input | kW | 26.56 |

| PUHY-P750YSKB-A1 | | |
|--------------------------|-------|---------|
| Nominal Heating Capacity | kW | 95.0 |
| | BTU/h | 324,100 |
| Input | kW | 24.93 |



| PUHY-P800YSKB-A1 | | |
|--------------------------|-------|---------|
| Nominal Cooling Capacity | kW | 90.0 |
| | BTU/h | 307,100 |
| Input | kW | 27.86 |

| PUHY-P800YSKB-A1 | | |
|--------------------------|-------|---------|
| Nominal Heating Capacity | kW | 100.0 |
| | BTU/h | 341,200 |
| Input | kW | 27.62 |

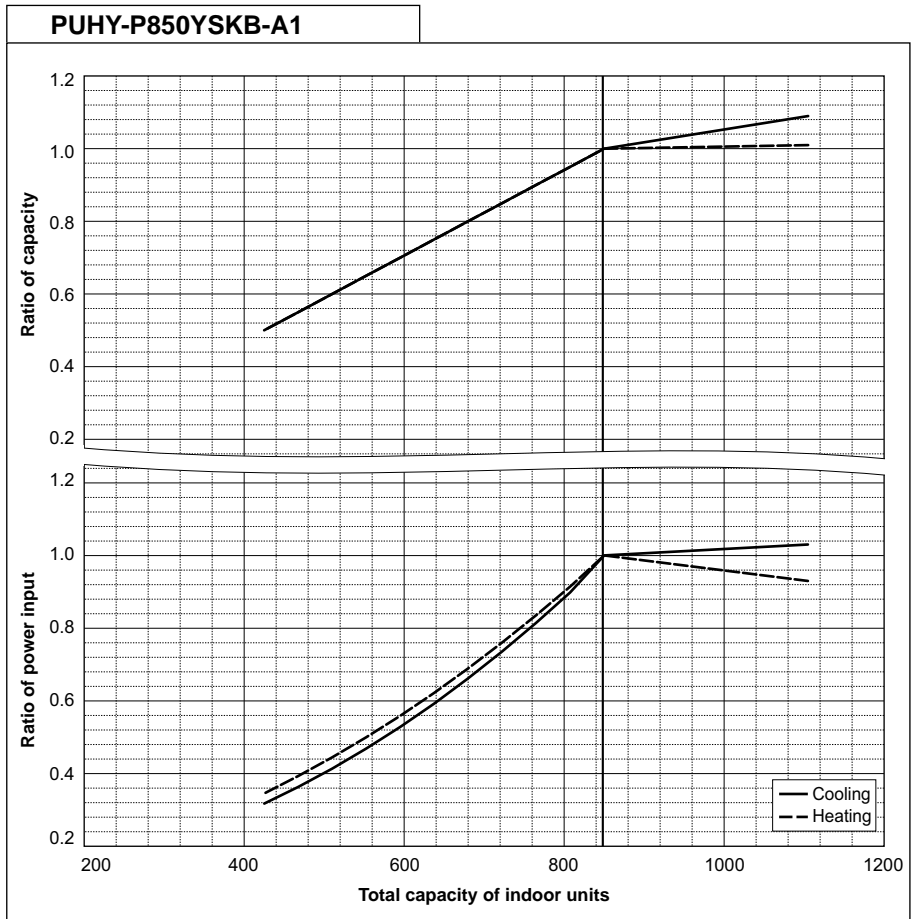


8. CAPACITY TABLES

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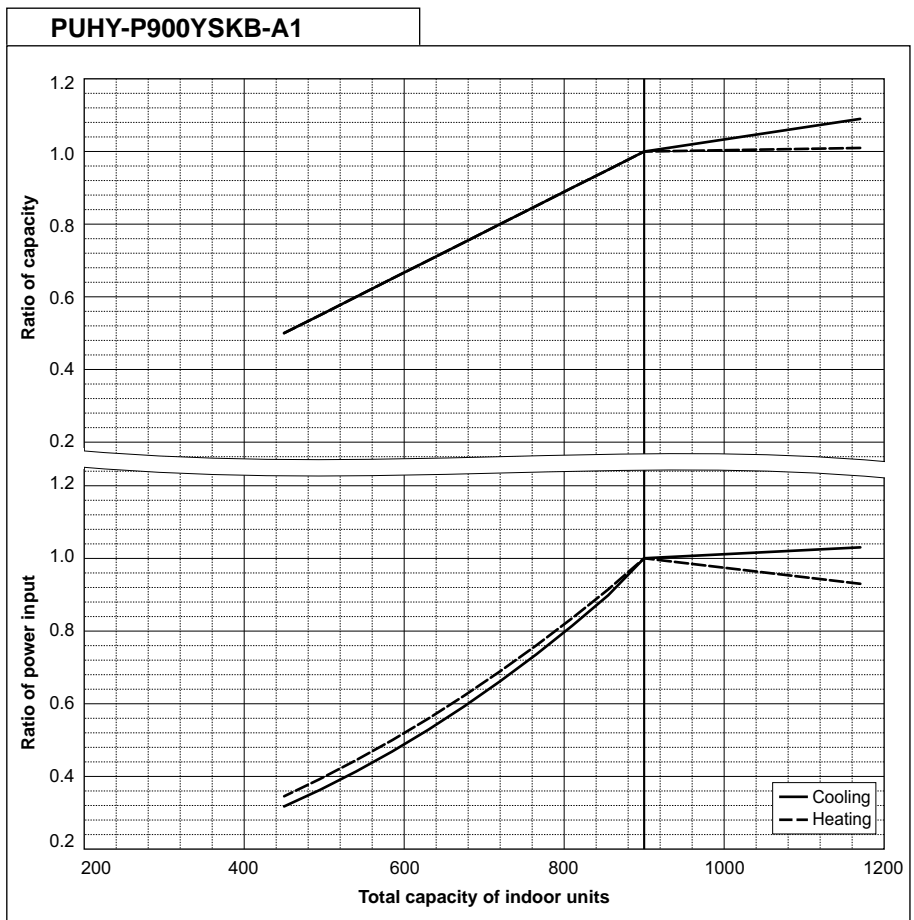
| PUHY-P850YSKB-A1 | | |
|--------------------------|-------|---------|
| Nominal Cooling Capacity | kW | 96.0 |
| | BTU/h | 327,600 |
| Input | kW | 30.18 |

| PUHY-P850YSKB-A1 | | |
|--------------------------|-------|---------|
| Nominal Heating Capacity | kW | 108.0 |
| | BTU/h | 368,500 |
| Input | kW | 29.90 |



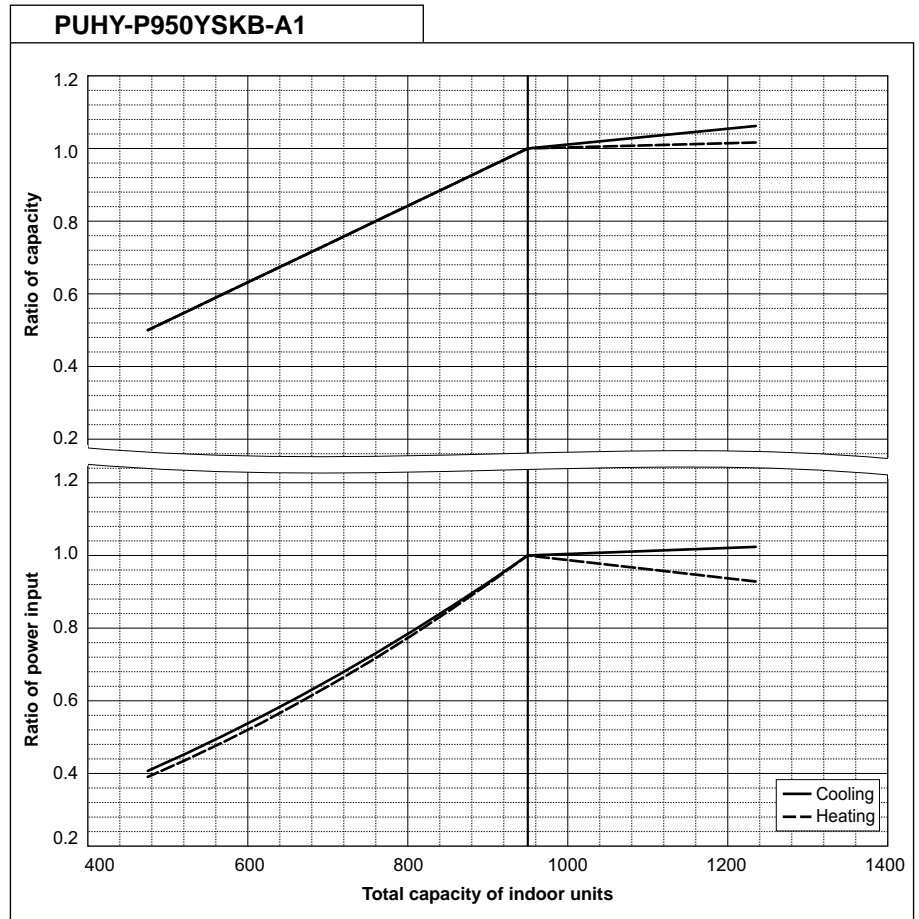
| PUHY-P900YSKB-A1 | | |
|--------------------------|-------|---------|
| Nominal Cooling Capacity | kW | 101.0 |
| | BTU/h | 344,600 |
| Input | kW | 31.46 |

| PUHY-P900YSKB-A1 | | |
|--------------------------|-------|---------|
| Nominal Heating Capacity | kW | 113.0 |
| | BTU/h | 385,600 |
| Input | kW | 33.00 |



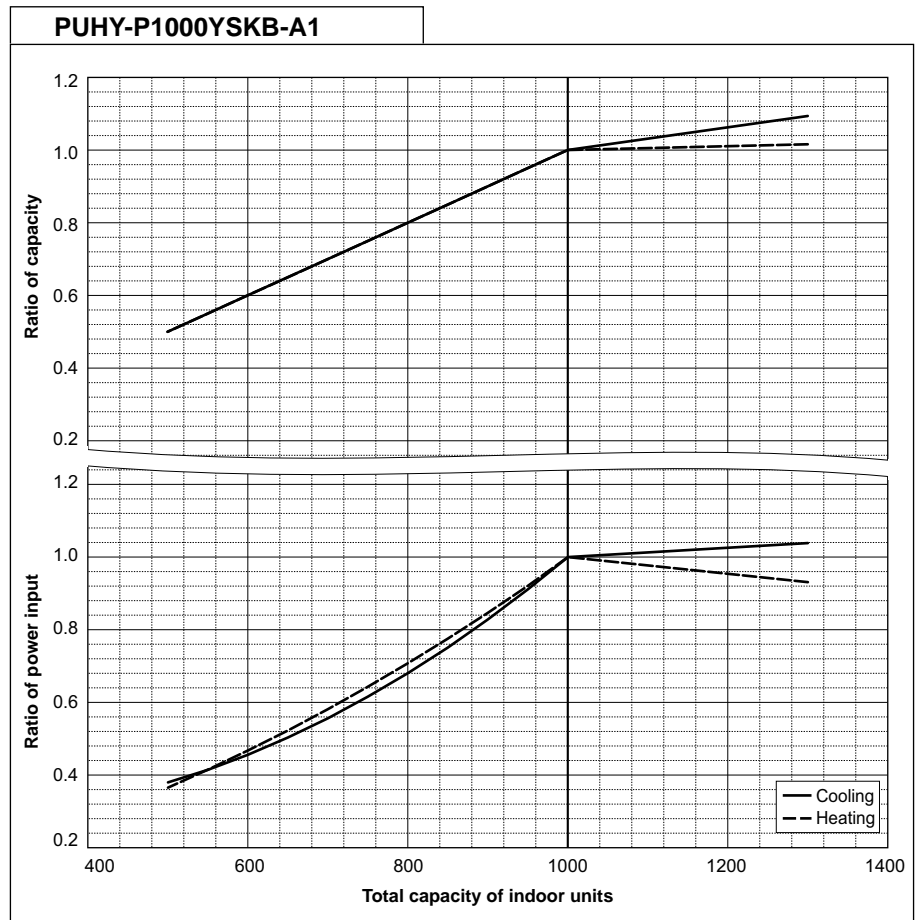
| PUHY-P950YSKB-A1 | | |
|--------------------------|-------|---------|
| Nominal Cooling Capacity | kW | 108.0 |
| | BTU/h | 368,500 |
| Input | kW | 30.25 |

| PUHY-P950YSKB-A1 | | |
|--------------------------|-------|---------|
| Nominal Heating Capacity | kW | 119.5 |
| | BTU/h | 407,700 |
| Input | kW | 30.40 |



| PUHY-P1000YSKB-A1 | | |
|--------------------------|-------|---------|
| Nominal Cooling Capacity | kW | 113.0 |
| | BTU/h | 385,600 |
| Input | kW | 32.10 |

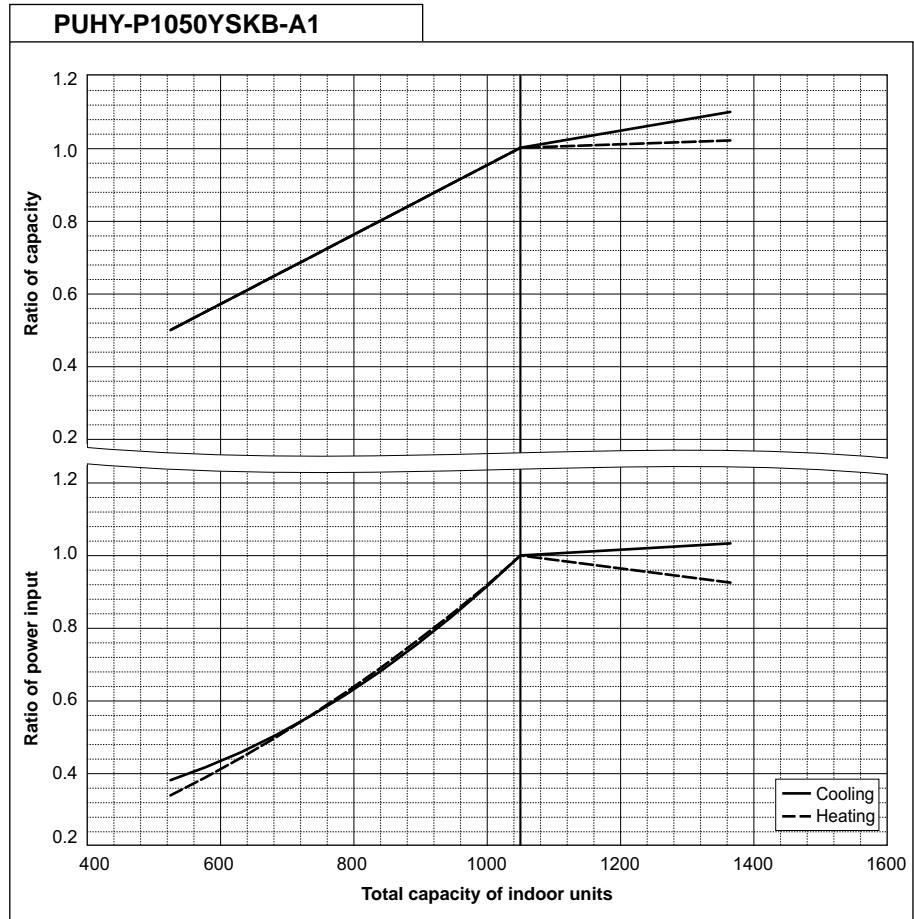
| PUHY-P1000YSKB-A1 | | |
|--------------------------|-------|---------|
| Nominal Heating Capacity | kW | 127.0 |
| | BTU/h | 433,300 |
| Input | kW | 32.70 |



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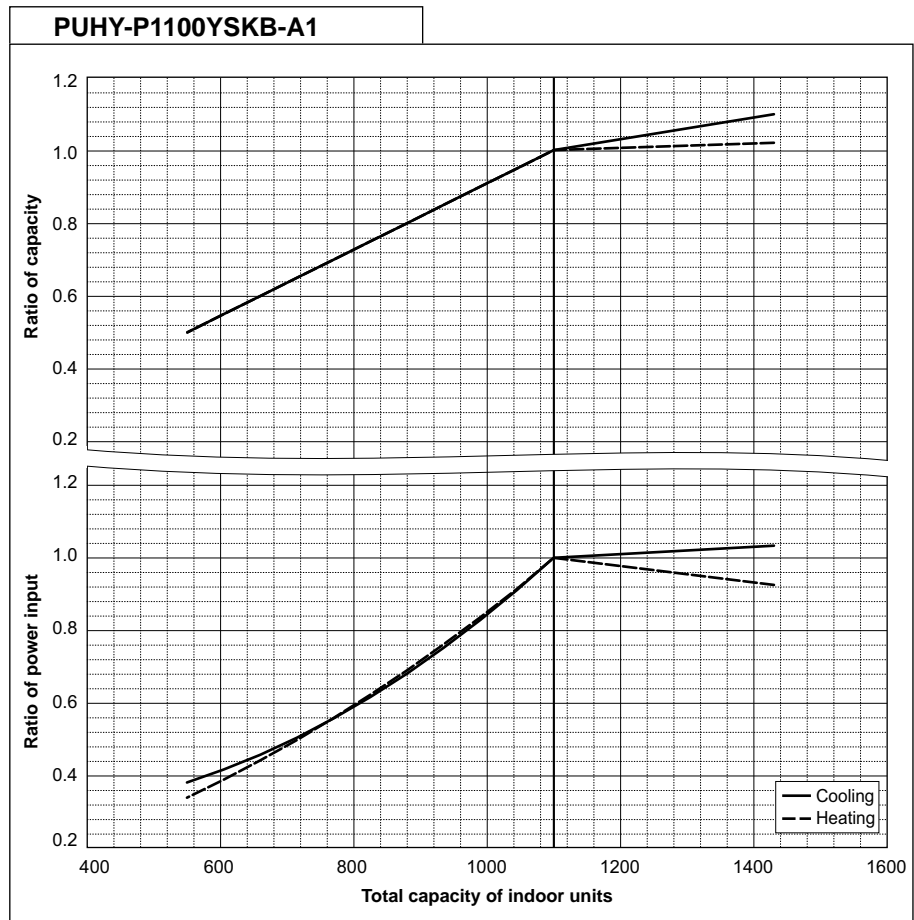
| PUHY-P1050YSKB-A1 | | |
|--------------------------|-------|---------|
| Nominal Cooling Capacity | kW | 118.0 |
| | BTU/h | 402,600 |
| Input | kW | 35.01 |

| PUHY-P1050YSKB-A1 | | |
|--------------------------|-------|---------|
| Nominal Heating Capacity | kW | 132.0 |
| | BTU/h | 450,400 |
| Input | kW | 34.25 |



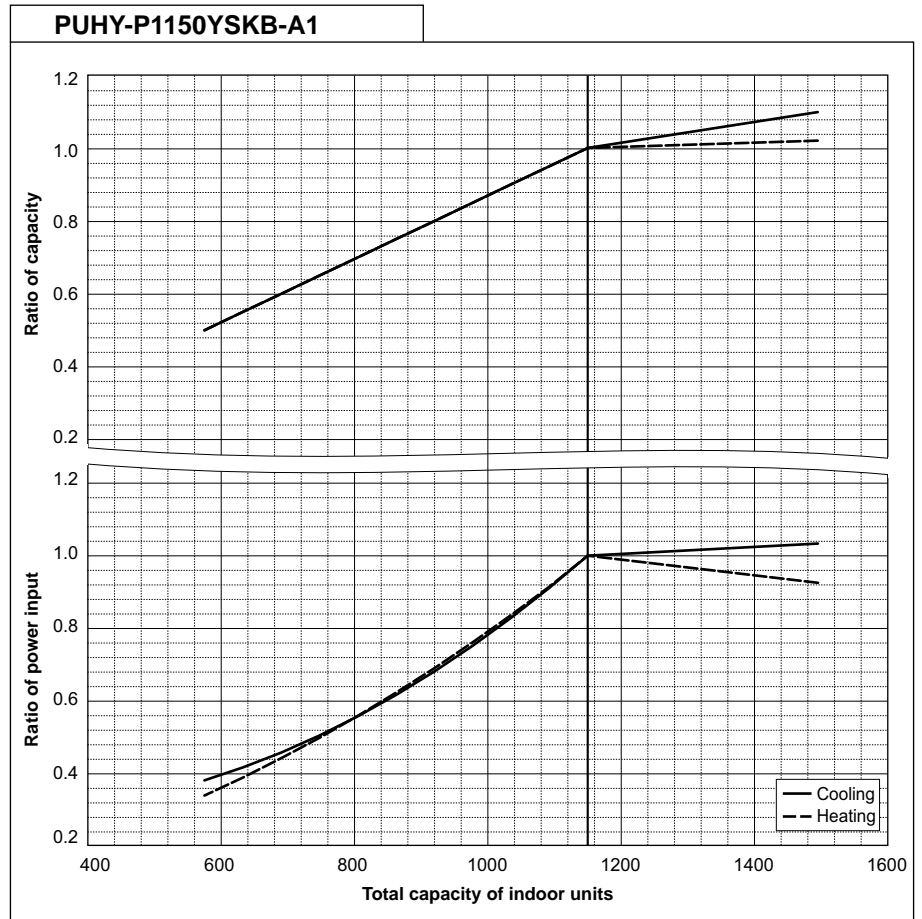
| PUHY-P1100YSKB-A1 | | |
|--------------------------|-------|---------|
| Nominal Cooling Capacity | kW | 124.0 |
| | BTU/h | 423,100 |
| Input | kW | 38.62 |

| PUHY-P1100YSKB-A1 | | |
|--------------------------|-------|---------|
| Nominal Heating Capacity | kW | 140.0 |
| | BTU/h | 477,700 |
| Input | kW | 36.60 |



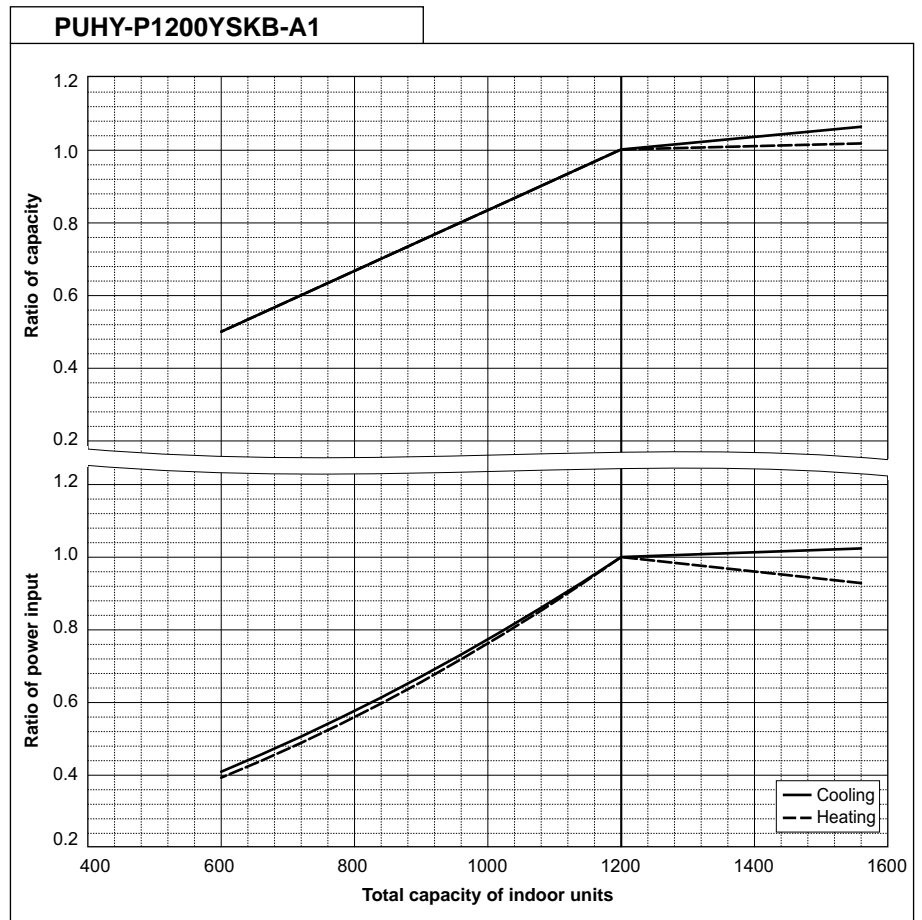
| PUHY-P1150YSKB-A1 | | |
|--------------------------|-------|---------|
| Nominal Cooling Capacity | kW | 130.0 |
| | BTU/h | 443,600 |
| Input | kW | 40.24 |

| PUHY-P1150YSKB-A1 | | |
|--------------------------|-------|---------|
| Nominal Heating Capacity | kW | 145.0 |
| | BTU/h | 494,700 |
| Input | kW | 39.29 |



| PUHY-P1200YSKB-A1 | | |
|--------------------------|-------|---------|
| Nominal Cooling Capacity | kW | 136.0 |
| | BTU/h | 464,400 |
| Input | kW | 44.10 |

| PUHY-P1200YSKB-A1 | | |
|--------------------------|-------|---------|
| Nominal Heating Capacity | kW | 150.0 |
| | BTU/h | 511,800 |
| Input | kW | 40.76 |



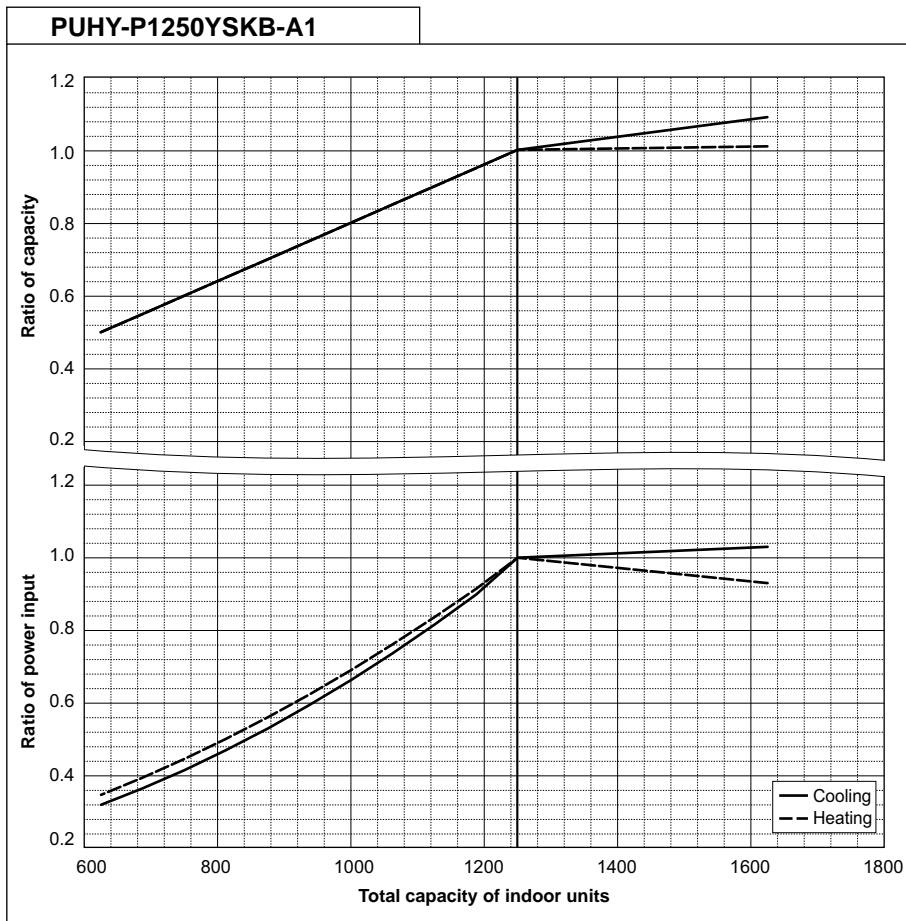
8. CAPACITY TABLES

YKB/YLM

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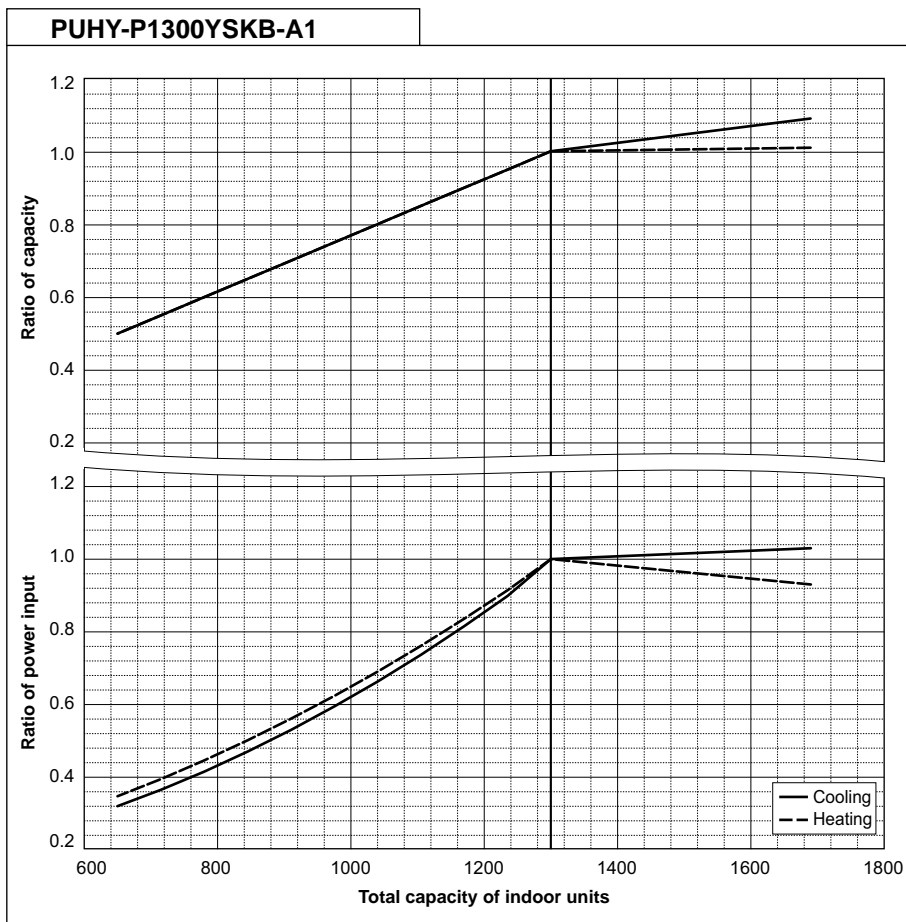
| PUHY-P1250YSKB-A1 | | |
|--------------------------|-------|---------|
| Nominal Cooling Capacity | kW | 140.0 |
| | BTU/h | 477,700 |
| Input | kW | 43.80 |

| PUHY-P1250YSKB-A1 | | |
|--------------------------|-------|---------|
| Nominal Heating Capacity | kW | 156.5 |
| | BTU/h | 534,000 |
| Input | kW | 44.08 |



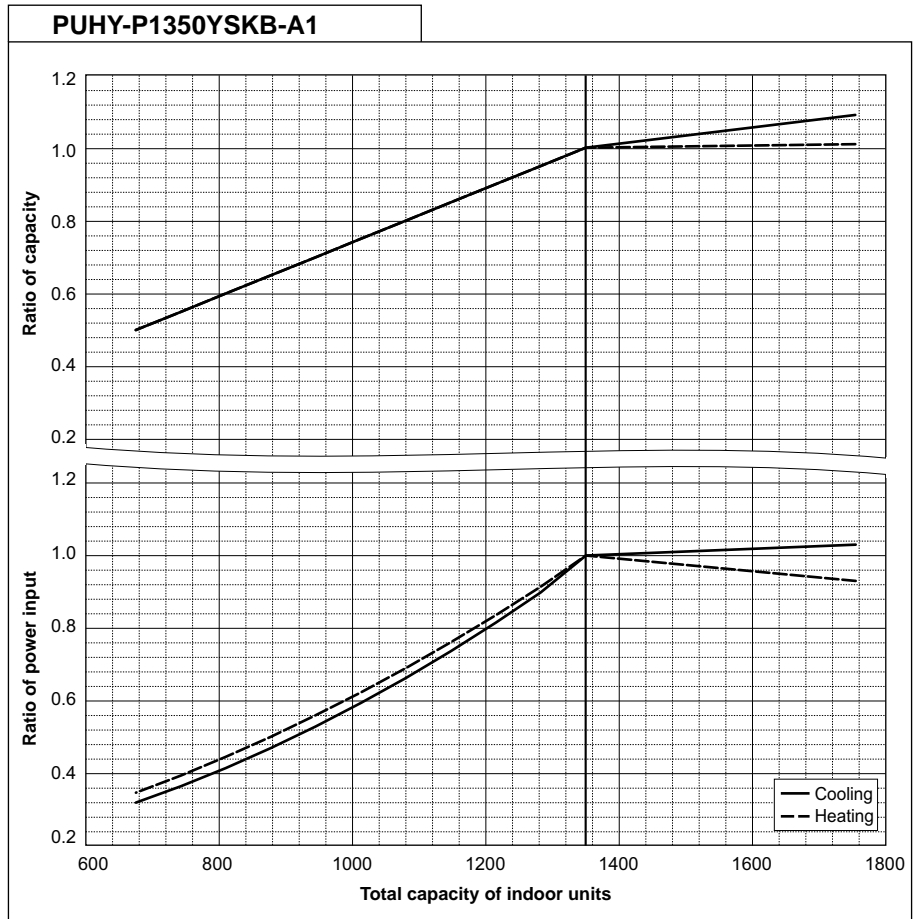
| PUHY-P1300YSKB-A1 | | |
|--------------------------|-------|---------|
| Nominal Cooling Capacity | kW | 146.0 |
| | BTU/h | 498,200 |
| Input | kW | 47.80 |

| PUHY-P1300YSKB-A1 | | |
|--------------------------|-------|---------|
| Nominal Heating Capacity | kW | 163.0 |
| | BTU/h | 556,200 |
| Input | kW | 46.04 |



| PUHY-P1350YSKB-A1 | | |
|--------------------------|-------|---------|
| Nominal Cooling Capacity | kW | 150.0 |
| | BTU/h | 511,800 |
| Input | kW | 47.40 |

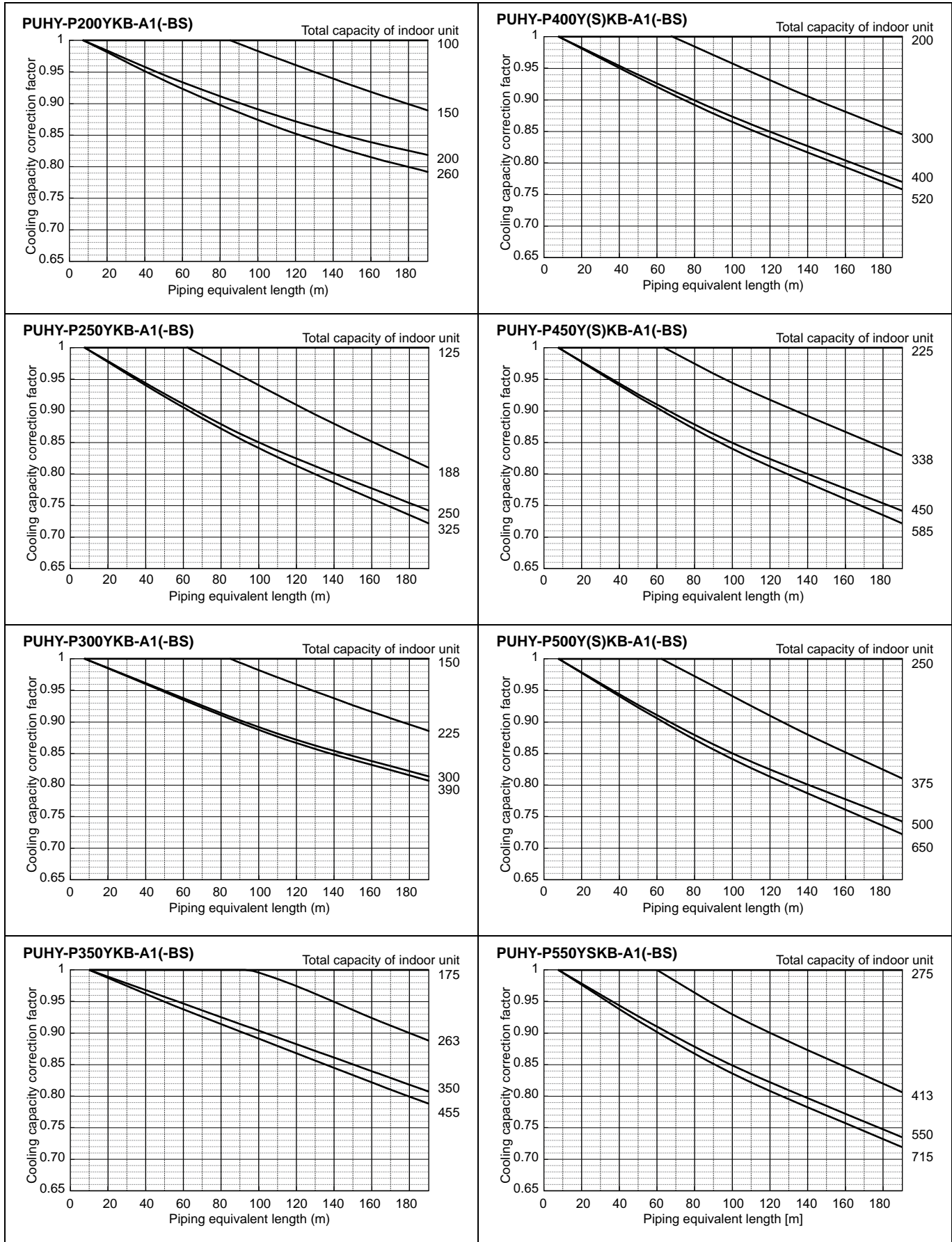
| PUHY-P1350YSKB-A1 | | |
|--------------------------|-------|---------|
| Nominal Heating Capacity | kW | 168.0 |
| | BTU/h | 573,200 |
| Input | kW | 49.12 |



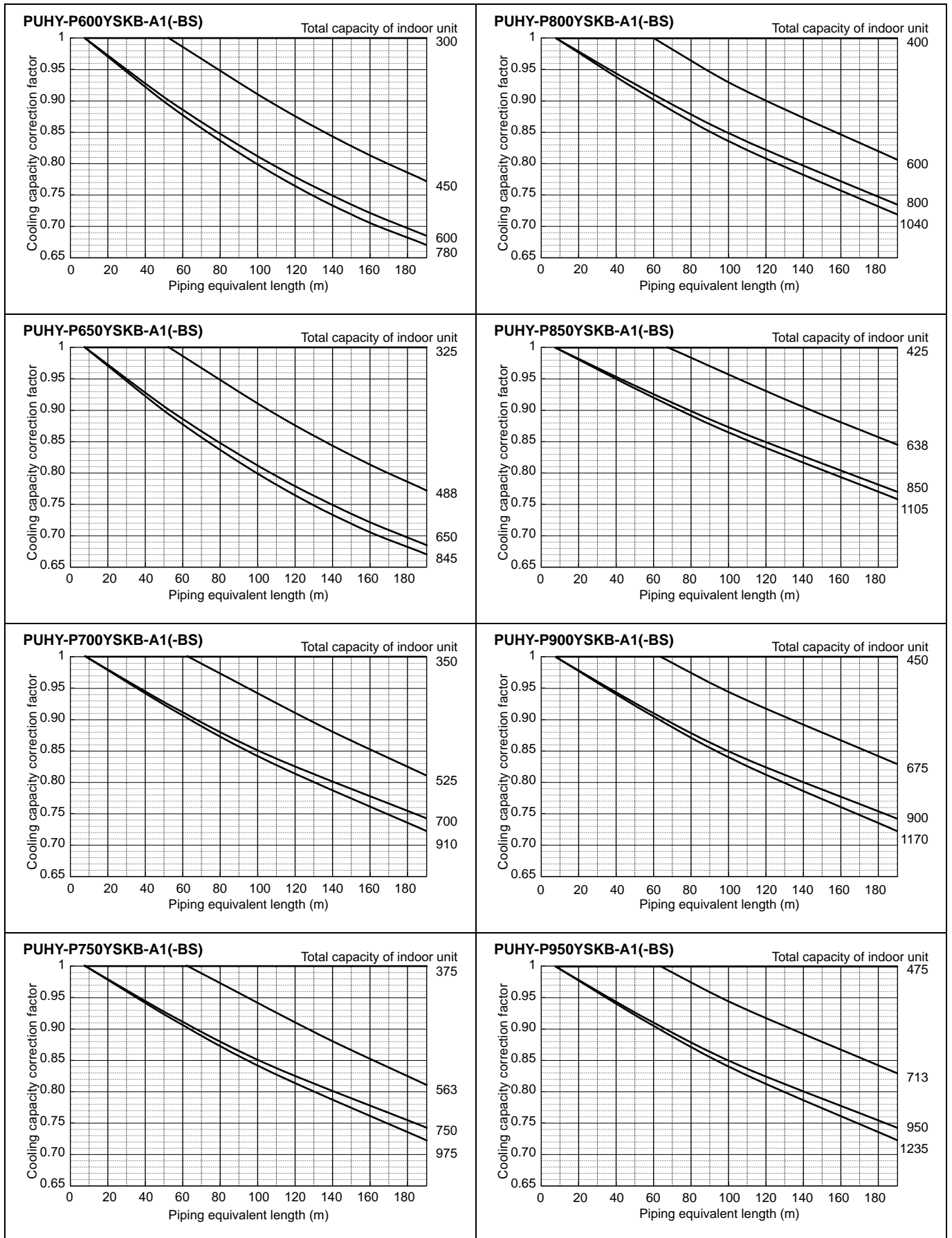
8-4. Correction by refrigerant piping length

CITY MULTI system can extend the piping flexibly within its limitation for the actual situation. However, a decrease of cooling/heating capacity could happen correspondently. Using following correction factor according to the equivalent length of the piping shown at 8-4-1 and 8-4-2, the capacity can be observed. 8-4-3 shows how to obtain the equivalent length of piping.

8-4-1. Cooling capacity correction

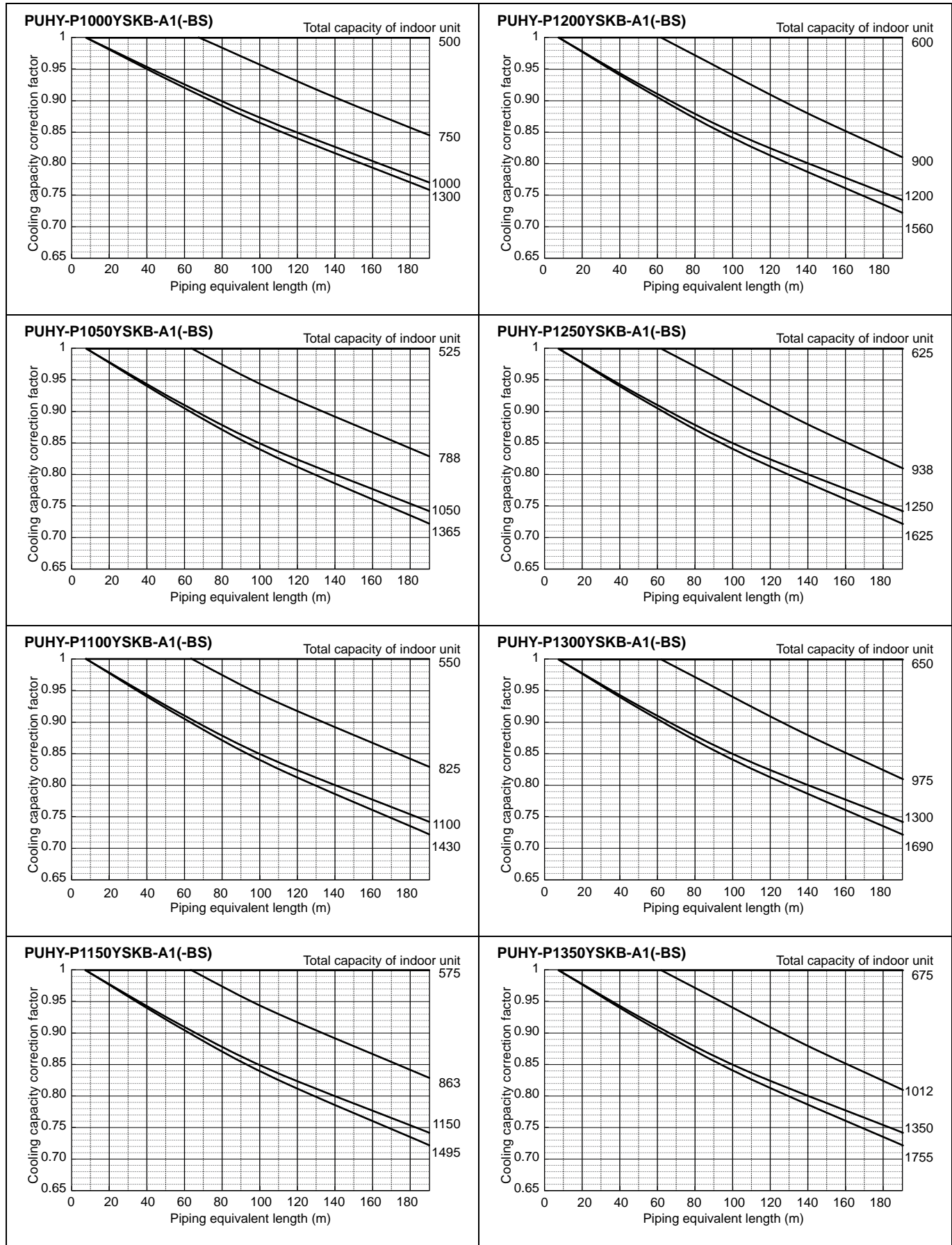


8. CAPACITY TABLES

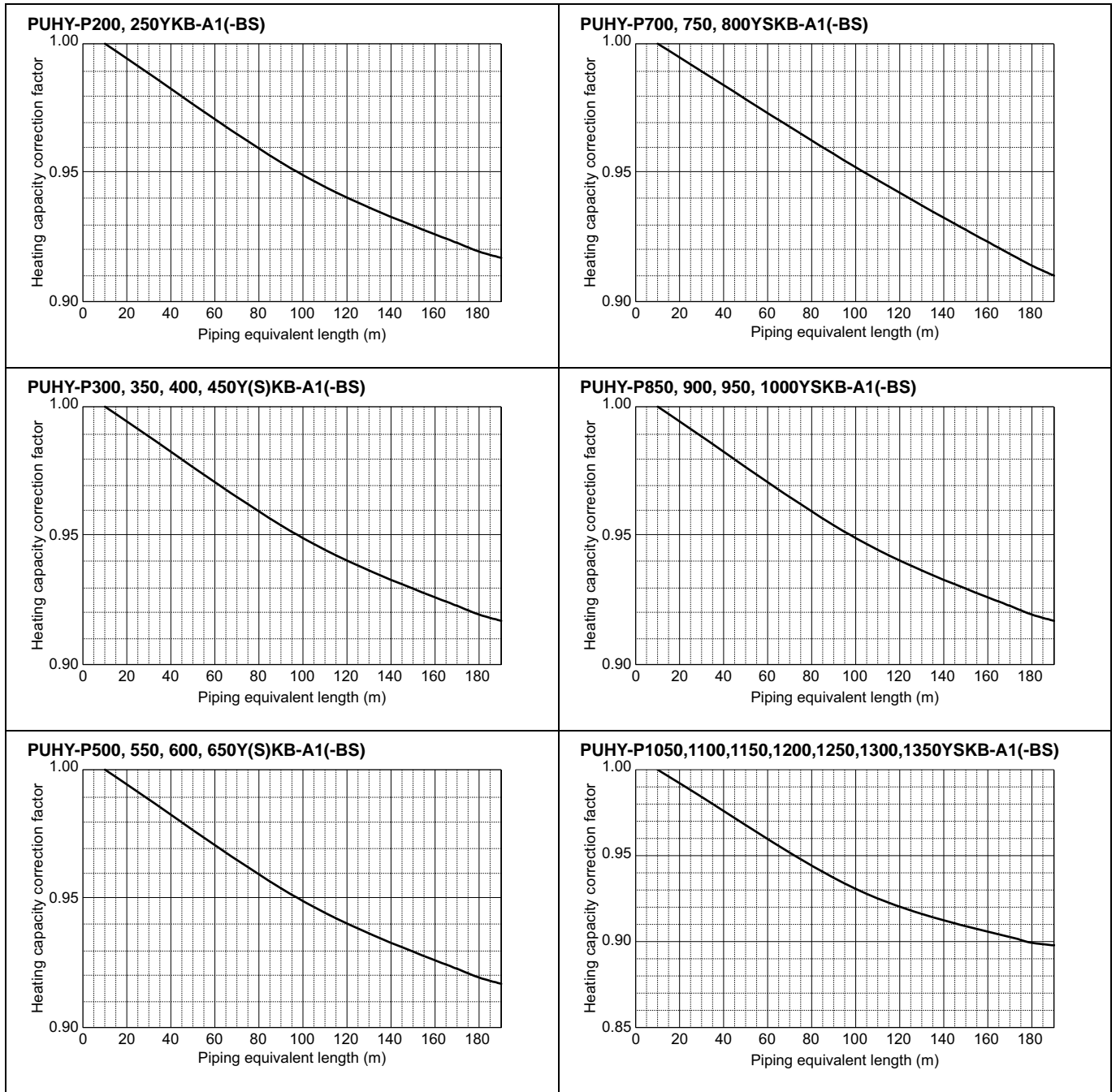


8. CAPACITY TABLES

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8-4-2. Heating capacity correction



8-4-3. How to obtain the equivalent piping length

- 1 **PUHY-P200YKB-A1(-BS)**
Equivalent length = (Actual piping length to the farthest indoor unit) + (0.42 × number of bends in the piping) m
- 2 **PUHY-P250YKB-A1(-BS)**
Equivalent length = (Actual piping length to the farthest indoor unit) + (0.42 × number of bends in the piping) m
- 3 **PUHY-P300YKB-A1(-BS)**
Equivalent length = (Actual piping length to the farthest indoor unit) + (0.42 × number of bends in the piping) m
- 4 **PUHY-P350YKB-A1(-BS)**
Equivalent length = (Actual piping length to the farthest indoor unit) + (0.47 × number of bends in the piping) m
- 5 **PUHY-P400, 450, 500, 550, 600, 650Y(S)KB-A1(-BS)**
Equivalent length = (Actual piping length to the farthest indoor unit) + (0.50 × number of bends in the piping) m
- 6 **PUHY-P700, 750, 800YSKB-A1(-BS)**
Equivalent length = (Actual piping length to the farthest indoor unit) + (0.70 × number of bends in the piping) m
- 7 **PUHY-P850, 900, 950, 1000, 1050, 1100, 1150, 1200, 1250, 1300, 1350YSKB-A1(-BS)**
Equivalent length = (Actual piping length to the farthest indoor unit) + (0.80 × number of bends in the piping) m

8-5. Correction at frost and defrost

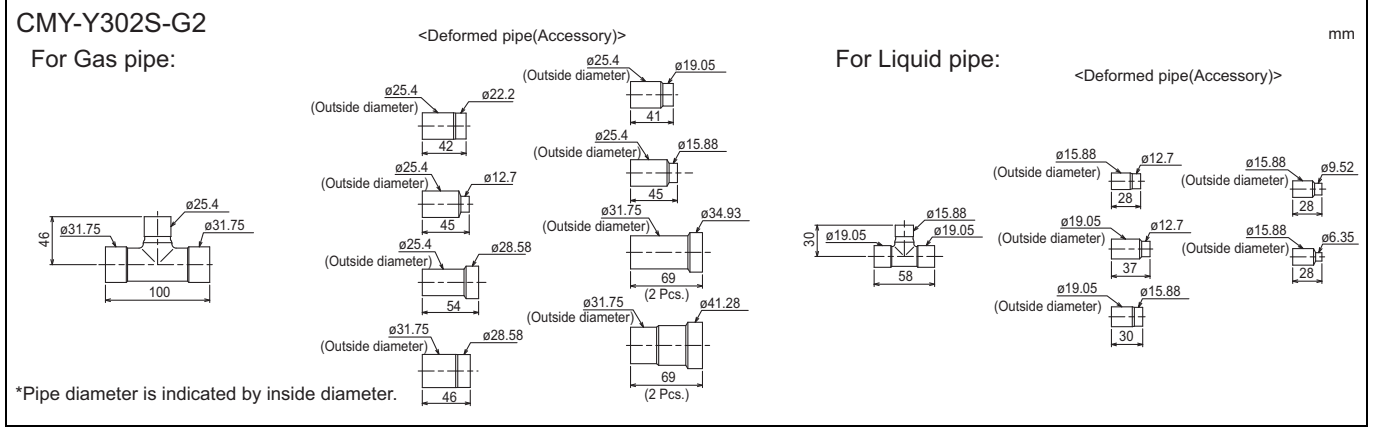
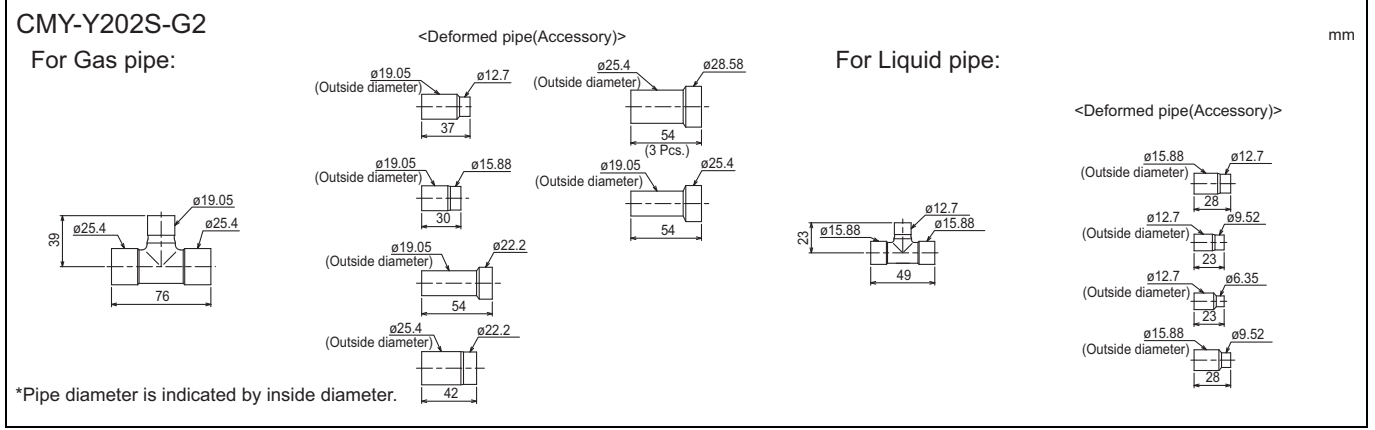
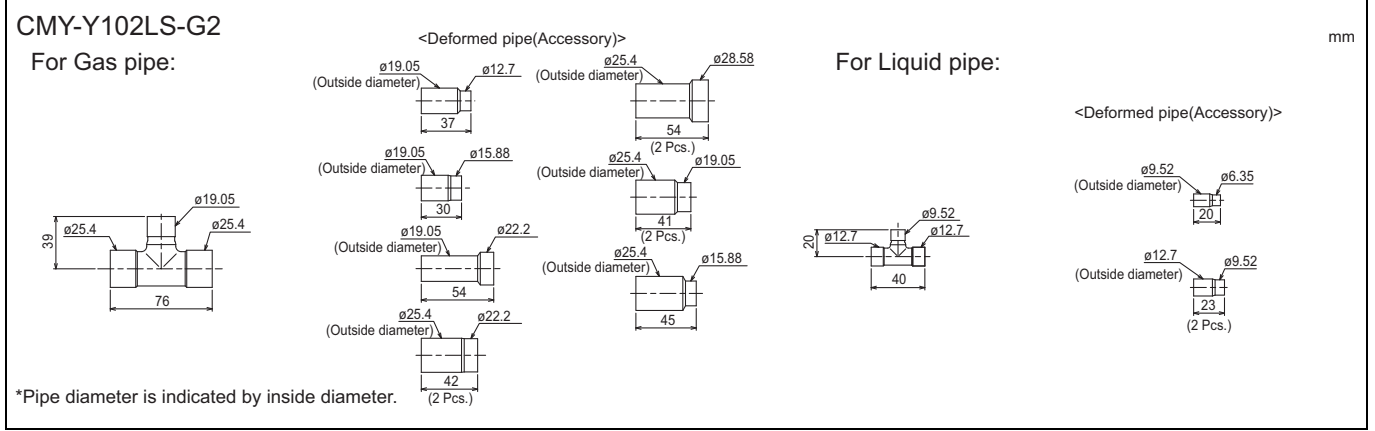
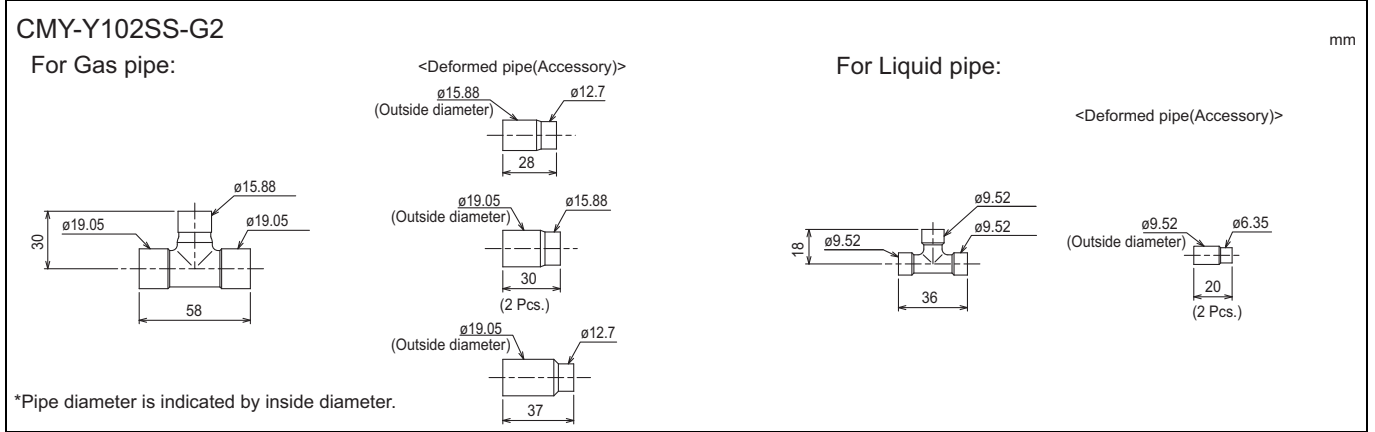
Due to frost at the outdoor heat exchanger and the automatic defrost operation, the heating capacity of the outdoor unit can be calculated by multiplying the correction factor shown in the table below.

Table of correction factor at frost and defrost

| Outdoor inlet air temp. °C | 6 | 4 | 2 | 1 | 0 | -2 | -4 | -6 | -8 | -10 | -20 |
|----------------------------|------|------|------|-------|------|------|------|------|------|------|------|
| Outdoor inlet air temp. °F | 43 | 39 | 36 | 34 | 32 | 28 | 25 | 21 | 18 | 14 | -4 |
| PUHY-P200YKB-A1(-BS) | 1.00 | 0.95 | 0.84 | 0.825 | 0.83 | 0.87 | 0.90 | 0.95 | 0.95 | 0.95 | 0.95 |
| PUHY-P250YKB-A1(-BS) | 1.00 | 0.95 | 0.84 | 0.825 | 0.83 | 0.87 | 0.90 | 0.95 | 0.95 | 0.95 | 0.95 |
| PUHY-P300YKB-A1(-BS) | 1.00 | 0.98 | 0.89 | 0.87 | 0.89 | 0.90 | 0.92 | 0.95 | 0.95 | 0.95 | 0.95 |
| PUHY-P350YKB-A1(-BS) | 1.00 | 0.98 | 0.89 | 0.87 | 0.89 | 0.90 | 0.92 | 0.95 | 0.95 | 0.95 | 0.95 |
| PUHY-P400YKB-A1(-BS) | 1.00 | 0.98 | 0.89 | 0.87 | 0.89 | 0.90 | 0.92 | 0.95 | 0.95 | 0.95 | 0.95 |
| PUHY-P450YKB-A1(-BS) | 1.00 | 0.98 | 0.89 | 0.87 | 0.89 | 0.90 | 0.92 | 0.95 | 0.95 | 0.95 | 0.95 |
| PUHY-P500YKB-A1(-BS) | 1.00 | 0.98 | 0.89 | 0.87 | 0.89 | 0.90 | 0.92 | 0.95 | 0.95 | 0.95 | 0.95 |
| PUHY-P400YSKB-A1(-BS) | 1.00 | 0.98 | 0.89 | 0.86 | 0.89 | 0.90 | 0.92 | 0.95 | 0.95 | 0.95 | 0.95 |
| PUHY-P450YSKB-A1(-BS) | 1.00 | 0.98 | 0.89 | 0.86 | 0.89 | 0.90 | 0.92 | 0.95 | 0.95 | 0.95 | 0.95 |
| PUHY-P500YSKB-A1(-BS) | 1.00 | 0.98 | 0.89 | 0.86 | 0.89 | 0.90 | 0.92 | 0.95 | 0.95 | 0.95 | 0.95 |
| PUHY-P550YSKB-A1(-BS) | 1.00 | 0.94 | 0.87 | 0.86 | 0.87 | 0.88 | 0.90 | 0.90 | 0.93 | 0.93 | 0.93 |
| PUHY-P600YSKB-A1(-BS) | 1.00 | 0.94 | 0.87 | 0.86 | 0.87 | 0.88 | 0.90 | 0.90 | 0.93 | 0.93 | 0.93 |
| PUHY-P650YSKB-A1(-BS) | 1.00 | 0.94 | 0.87 | 0.86 | 0.87 | 0.88 | 0.90 | 0.90 | 0.93 | 0.93 | 0.93 |
| PUHY-P700YSKB-A1(-BS) | 1.00 | 0.98 | 0.89 | 0.88 | 0.89 | 0.90 | 0.92 | 0.95 | 0.95 | 0.95 | 0.95 |
| PUHY-P750YSKB-A1(-BS) | 1.00 | 0.98 | 0.89 | 0.88 | 0.89 | 0.90 | 0.92 | 0.95 | 0.95 | 0.95 | 0.95 |
| PUHY-P800YSKB-A1(-BS) | 1.00 | 0.98 | 0.89 | 0.88 | 0.89 | 0.90 | 0.92 | 0.95 | 0.95 | 0.95 | 0.95 |
| PUHY-P850YSKB-A1(-BS) | 1.00 | 0.94 | 0.87 | 0.86 | 0.87 | 0.88 | 0.90 | 0.90 | 0.93 | 0.93 | 0.93 |
| PUHY-P900YSKB-A1(-BS) | 1.00 | 0.94 | 0.87 | 0.86 | 0.87 | 0.88 | 0.90 | 0.90 | 0.93 | 0.95 | 0.95 |
| PUHY-P950YSKB-A1(-BS) | 1.00 | 0.94 | 0.87 | 0.86 | 0.87 | 0.88 | 0.90 | 0.90 | 0.93 | 0.93 | 0.93 |
| PUHY-P1000YSKB-A1(-BS) | 1.00 | 0.94 | 0.87 | 0.86 | 0.87 | 0.88 | 0.90 | 0.90 | 0.93 | 0.93 | 0.93 |
| PUHY-P1050YSKB-A1(-BS) | 1.00 | 0.94 | 0.87 | 0.86 | 0.87 | 0.88 | 0.90 | 0.90 | 0.93 | 0.93 | 0.93 |
| PUHY-P1100YSKB-A1(-BS) | 1.00 | 0.94 | 0.87 | 0.86 | 0.87 | 0.88 | 0.90 | 0.90 | 0.93 | 0.93 | 0.93 |
| PUHY-P1150YSKB-A1(-BS) | 1.00 | 0.94 | 0.87 | 0.86 | 0.87 | 0.88 | 0.90 | 0.90 | 0.93 | 0.93 | 0.93 |
| PUHY-P1200YSKB-A1(-BS) | 1.00 | 0.94 | 0.87 | 0.86 | 0.87 | 0.88 | 0.90 | 0.90 | 0.93 | 0.93 | 0.93 |
| PUHY-P1250YSKB-A1(-BS) | 1.00 | 0.93 | 0.82 | 0.80 | 0.82 | 0.86 | 0.90 | 0.90 | 0.95 | 0.95 | 0.95 |
| PUHY-P1300YSKB-A1(-BS) | 1.00 | 0.93 | 0.82 | 0.80 | 0.82 | 0.86 | 0.90 | 0.90 | 0.95 | 0.95 | 0.95 |
| PUHY-P1350YSKB-A1(-BS) | 1.00 | 0.93 | 0.82 | 0.80 | 0.82 | 0.86 | 0.90 | 0.90 | 0.95 | 0.95 | 0.95 |

9-1. JOINT

CITY MULTI units can be easily connected by using Joint sets and Header sets provided by Mitsubishi Electric. Four kinds of Joint sets are available for use. Refer to section 3 in "System Design" or the Installation Manual that comes with the Joint set for how to install the Joint set.



9-2. HEADER

CITY MULTI units can be easily connected by using Joint sets and Header sets provided by Mitsubishi Electric. Three kinds of Header sets are available for use. Refer to section 3 in "System Design" or the Installation Manual that comes with the Header set for how to install the Header set.

CMY-Y104-G Ref.: CMY_Y104-G_EXD_EUDB_SI mm

For Gas pipe:

For Liquid pipe:

ID: Inner Diameter OD: Outer Diameter
 NOTE: Besides above mentioned accessories, caps for pipe of $\phi 6.35$, $\phi 9.52$, $\phi 12.7$, $\phi 15.88$ (each diameter 1 piece) are included in the Header set.

CMY-Y108-G Ref.: CMY_Y108-G_EXD_EUDB_SI mm

For Gas pipe:

For Liquid pipe:

ID: Inner Diameter OD: Outer Diameter
 NOTE: Besides above mentioned accessories, caps for pipe of $\phi 6.35$, $\phi 9.52$, $\phi 12.7$, $\phi 15.88$ (each diameter 2 pieces) and 1 cap for pipe of $\phi 19.05$ are included in the Header set.

CMY-Y1010-G Ref.: CMY_Y1010-G_EXD_EUDB_SI mm

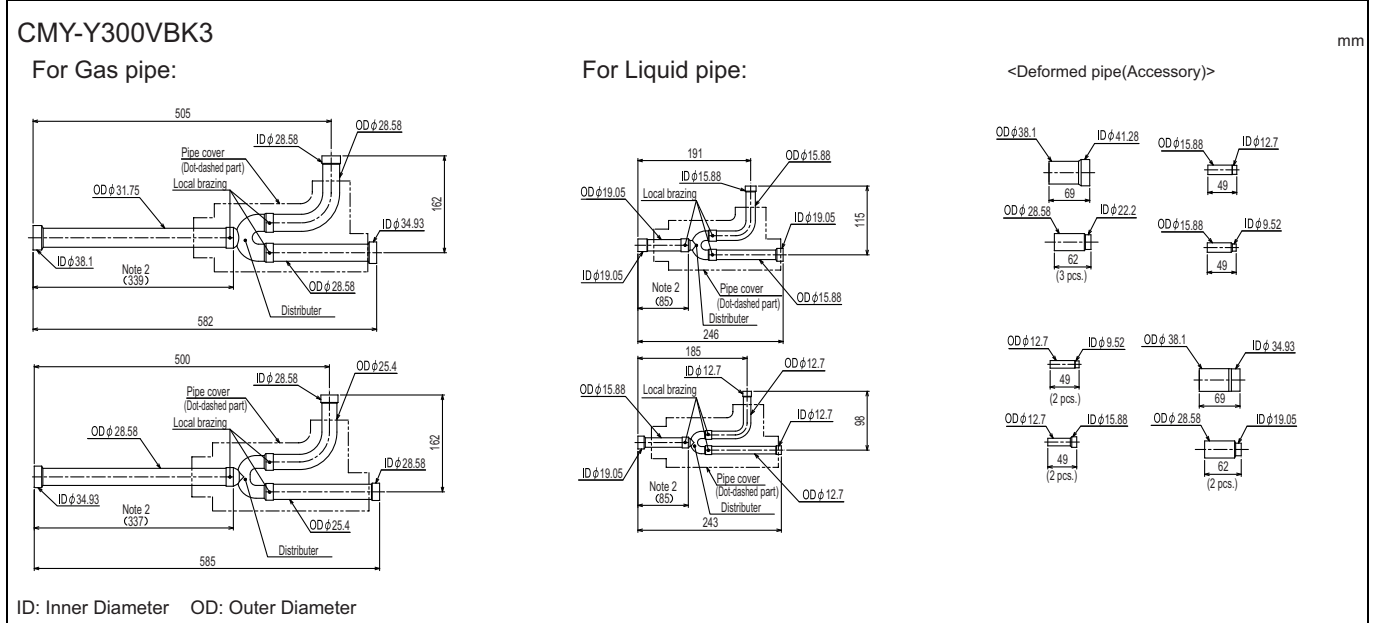
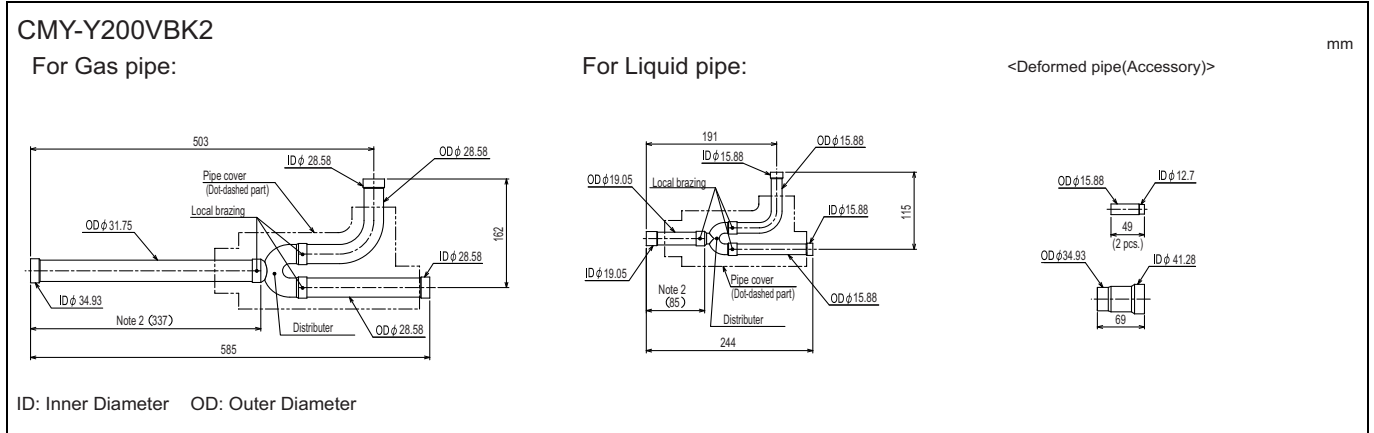
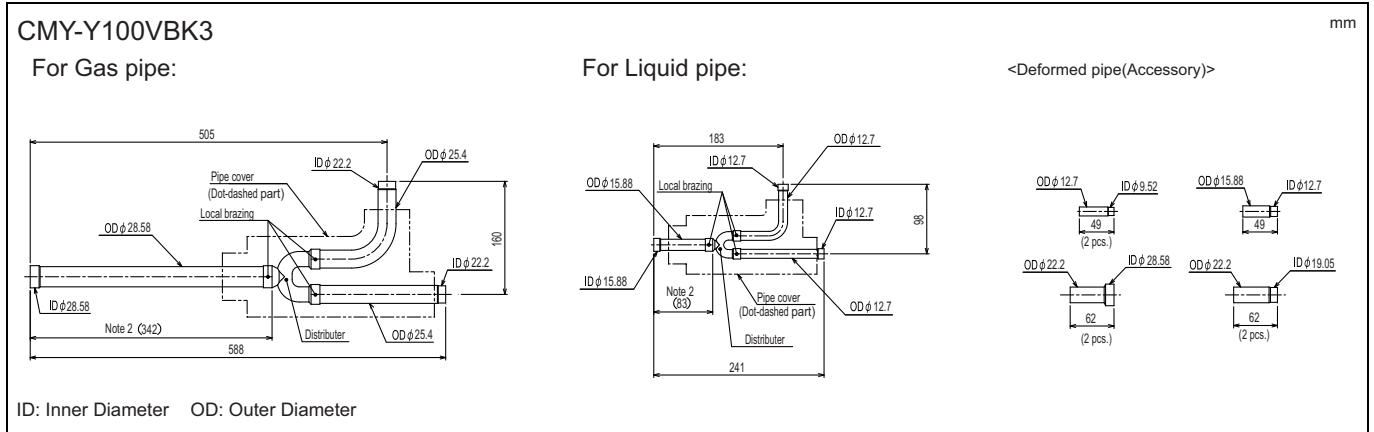
For Gas pipe:

For Liquid pipe:

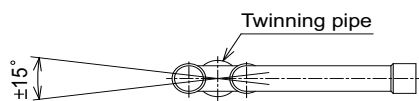
ID: Inner Diameter OD: Outer Diameter
 NOTE: Besides above mentioned accessories, caps for pipe of $\phi 6.35$, $\phi 9.52$, $\phi 12.7$, $\phi 15.88$ (each diameter 2 pieces) and 1 cap for pipe of $\phi 19.05$ are included in the Header set.

9-3. OUTDOOR TWINNING KIT

The following optional Outdoor Twinning Kit is needed to use to combine multiple refrigerant pipes. Refer to the chapter entitled System Design Section for the details of selecting a proper twinning kit.



Note 1. Refer to the figure below for the installation position of the twinning pipe.

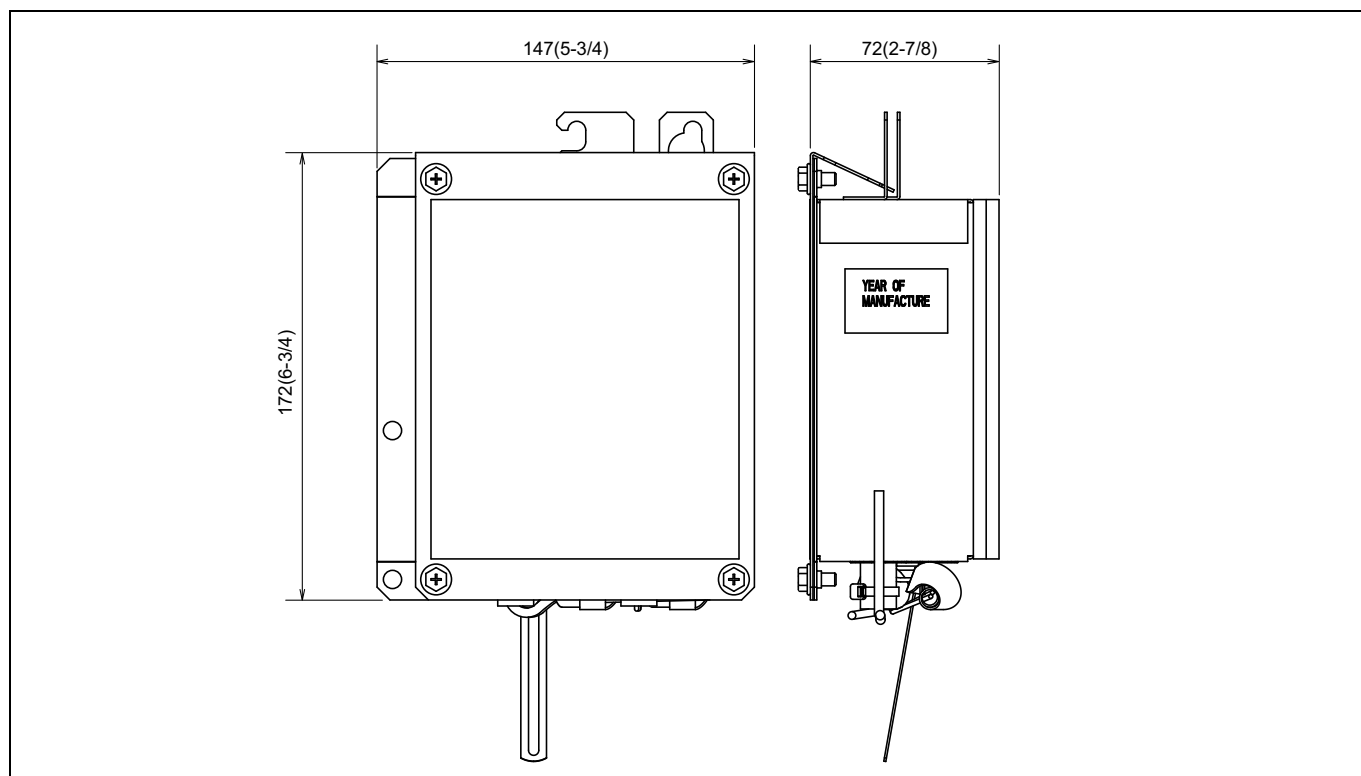


Slope of the twinning pipes are at an angle within $\pm 15^\circ$ to the horizontal plane.

2. Use the attached pipe to braze the port-opening of the twinning pipe.
3. Pipe diameter is indicated by inside diameter.
4. Only use the twinning pipe by Mitsubishi (optional parts).

9-4. RELAY BOX

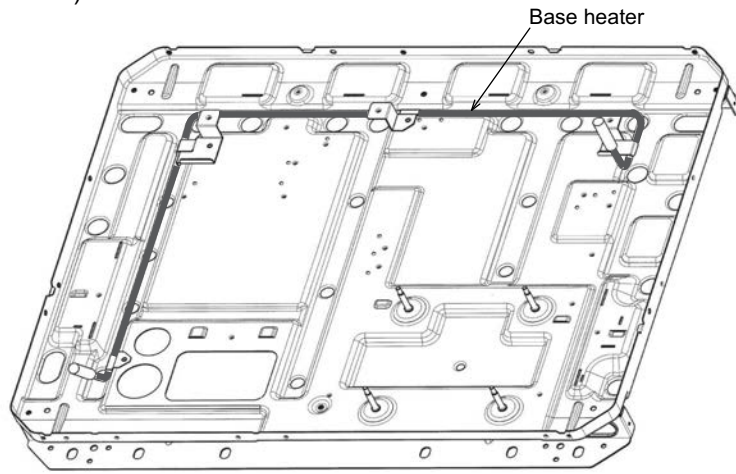
If there is a risk that the drain water will freeze inside the outdoor unit, the installation of a base heater is recommended. PAC-BH02KTY-E is a relay box for controlling the electric base heater. For details, refer to the relay box Installation Manual.



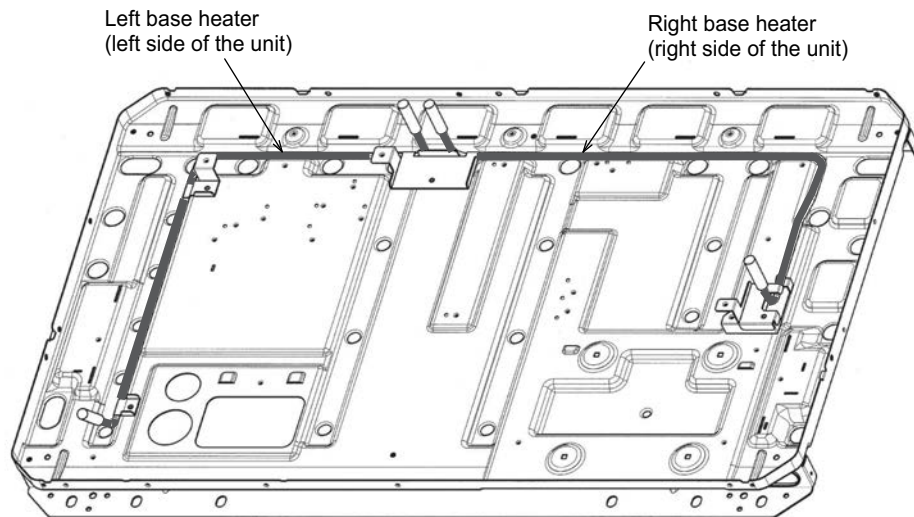
9-5. BASE HEATER

If there is a risk that the drain water will freeze inside the outdoor unit, the installation of a base heater is recommended. For details, refer to the base heater Installation Manual.

PAC-BH04EHT-E (for S module)



PAC-BH05EHT-E (for L module)



PAC-BH06EHT-E (for XL module)

