

OUTDOOR UNIT

Y-Series PUHY-P YKA (-BS)



Advantages of CITY MULTI

Outdoor unit

Indoor unit

Remote Controller

Optional parts

Lossnay

Precautions for use

Specifications

| Model | PUHY-P200YKA (-BS) | | PUHY-P250YKA (-BS) | | PUHY-P300YKA (-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 | | 3-phase 4-wire 380-400-415 V 50/60 Hz | | |
| Cooling capacity | Nominal *1 | kW | 22.4 | 28.0 | 33.5 | | |
| | | kcal/h | 20,000 | 25,000 | 30,000 | | |
| | | BTU/h | 76,400 | 95,500 | 114,300 | | |
| | | Power input | kW | 5.19 | 6.89 | 8.86 | |
| | | Current input | A | 8.7-8.3-8.0 | 11.6-11.0-10.6 | 14.9-14.2-13.6 | |
| | | EER | kW/kW | 4.31 | 4.06 | 3.78 | |
| Cooling capacity Outdoor 35°C DB (T1) | *2*3 | kW | 22.4 | 28.0 | 33.5 | | |
| | | Ton | 6.4 | 8.0 | 9.5 | | |
| | | BTU/h | 76,400 | 95,500 | 114,300 | | |
| | | Power input system *4 | kW *7 | 5.75 | 7.14 | 9.09 | |
| | | Power factor | % *7 | 90 | 90 | 90 | |
| | | EER system *5 | Btu-h/W | 13.28 | 13.37 | 12.57 | |
| Cooling capacity Outdoor 46°C DB (T3) | *3*6 | kW | 16.58 | 20.72 | 24.79 | | |
| | | Ton | 4.7 | 5.9 | 7.0 | | |
| | | BTU/h | 56,571 | 70,697 | 84,583 | | |
| | | Power input | kW | 4.57 | 6.06 | 7.80 | |
| | | EER | Btu-h/W | 12.38 | 11.66 | 10.85 | |
| | | Cooling capacity Outdoor 48°C DB | *3*7 | kW | 14.43 | 17.16 | 20.41 |
| | | Ton | | 4.1 | 4.9 | 5.8 | |
| | | | | BTU/h | 49,237 | 58,552 | 69,641 |
| | | | | Power input | kW | 3.73 | 4.95 |
| | | | | Power input system *4 | kW | 4.34 | 5.71 |
| | | | | Efficiency system | kW/Ton | 1.05 | 1.16 |
| | | | | EER system *5 | Btu-h/W | 11.34 | 10.25 |
| Temp. range of cooling | Indoor | | | W.B. | 15.0~24.0°C (59~75°F) | 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) | -5.0~52.0°C (23~126°F) | |
| Heating capacity (Nominal) | *1 | kW | 22.4 | 28.0 | 33.5 | | |
| | | kcal/h | 20,000 | 25,000 | 30,000 | | |
| | | BTU/h | 76,400 | 95,500 | 114,300 | | |
| | | Power input | kW | 5.05 | 6.33 | 8.11 | |
| | | Current input | A | 8.5-8.0-7.8 | 10.6-10.1-9.7 | 13.6-13.0-12.5 | |
| | | COP | kW/kW | 4.43 | 4.42 | 4.13 | |
| Temp. range of heating | Indoor | D.B. | 15.0~27.0°C (59~81°F) | 15.0~27.0°C (59~81°F) | 15.0~27.0°C (59~81°F) | | |
| | | W.B. | -20.0~15.5°C (-4~60°F) | -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 | | 50~130% of outdoor unit capacity | |
| | | Model/Quantity | P15~P250/1~17 | | P15~P250/1~21 | | P15~P250/1~26 |
| Sound pressure level (measured in anechoic room) | | dB <A> | 57 | 58 | 61 | | |
| 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) | 9.52 (3/8) Brazed (12.7 (1/2) Brazed, farthest length >= 40 m) | | |
| | | Gas pipe | mm (in.) | 22.2 (7/8) Brazed | 22.2 (7/8) Brazed | 22.2 (7/8) Brazed | |
| Fan | Type x Quantity | Propeller fan x 1 | | Propeller fan x 1 | | Propeller fan x 1 | |
| | | Air flow rate | m³/min | 175 | 175 | 185 | |
| | | L/s | 2,917 | 2,917 | 3,083 | | |
| | | cfm | 6,179 | 6,179 | 6,532 | | |
| | | 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 | |
| | *8 | External static press. | 0 Pa (0 mmH ₂ O) | 0 Pa (0 mmH ₂ O) | 0 Pa (0 mmH ₂ O) | | |
| | | Compressor | Type | Inverter scroll hermetic compressor | Inverter scroll hermetic compressor | Inverter scroll hermetic compressor | |
| | | Starting method | Inverter | Inverter | Inverter | | |
| | | Motor output | kW | 5.5 | 6.9 | 8.1 | |
| | | Case heater | kW | - | - | - | |
| | | External finish | | Pre-coated galvanized steel sheets (+powder coating for -BS type) <MUNSELL 3Y 7.8/1.1 or similar> | Pre-coated galvanized steel sheets (+powder coating for -BS type) <MUNSELL 3Y 7.8/1.1 or similar> | Pre-coated galvanized steel sheets (+powder coating for -BS type) <MUNSELL 3Y 7.8/1.1 or similar> | |
| External dimension H x W x D | | mm | 1,650 x 920 x 740 | 1,650 x 920 x 740 | 1,650 x 920 x 740 | | |
| | | in. | 65 x 36-1/4 x 29-3/16 | 65 x 36-1/4 x 29-3/16 | 65 x 36-1/4 x 29-3/16 | | |
| Protection devices | High pressure protection | High pressure sensor, | High pressure sensor, | High pressure sensor, | High pressure sensor, | | |
| | | High pressure switch at 4.15 MPa (601 psi) | High pressure switch at 4.15 MPa (601 psi) | High pressure switch at 4.15 MPa (601 psi) | High pressure switch at 4.15 MPa (601 psi) | | |
| Refrigerant | Type x original charge | Over-heat protection, Over-current protection | | Over-heat protection, Over-current protection | | Over-heat protection, Over-current protection | |
| | | R410A x 8.0 kg (18 lbs) | R410A x 8.0 kg (18 lbs) | R410A x 8.0 kg (18 lbs) | | | |
| Net weight | | kg (lbs) | 195 (430) | 195 (430) | 211 (466) | | |
| Heat exchanger | | | Salt-resistant cross fin & copper tube | Salt-resistant cross fin & copper tube | Salt-resistant cross fin & copper tube | | |
| Optional parts | | Joint: CMY-Y102SS/LS-G2 | Joint: CMY-Y102SS/LS-G2 | Joint: CMY-Y102SS/LS-G2 | Joint: CMY-Y102SS/LS-G2 | | |
| | | Header: CMY-Y104/108/1010-G | Header: CMY-Y104/108/1010-G | Header: CMY-Y104/108/1010-G | Header: CMY-Y104/108/1010-G | | |

Notes:

*1 Nominal conditions (subject to JIS B8615-3).

| | Indoor | Outdoor | Pipe length | Level difference |
|---------|-----------------------------------|---------------------------------|-------------------|------------------|
| Cooling | 27°C DB/19°C WB (81°F DB/66°F WB) | 35°C DB (95°F DB) | 7.5m (24-9/16ft.) | 0m (0ft.) |
| Heating | 20°C DB/15°C WB (68°F DB/59°F WB) | 7°C DB/6°C WB (45°F DB/43°F WB) | 7.5m (24-9/16ft.) | 0m (0ft.) |

*2 Outdoor 35°C DB (T1) conditions (subject to ISO15042). As per SASO.

| | Indoor | Outdoor | Pipe length | Level difference |
|---------|-----------------------------------|-----------------------------------|-------------------|------------------|
| Cooling | 27°C DB/19°C WB (81°F DB/66°F WB) | 35°C DB/24°C WB (95°F DB/75°F WB) | 7.5m (24-9/16ft.) | 0m (0ft.) |

*3 Verified by 3rd party institute (JATL-Japan).

*4 Outdoor input + Indoor input.

*5 Capacity / Power input system.

*6 Outdoor 46°C DB (T3) conditions (subject to UAE.S ISO15042). As per ESMA.

| | Indoor | Outdoor | Pipe length | Level difference |
|---------|-----------------------------------|------------------------------------|-------------------|------------------|
| Cooling | 29°C DB/19°C WB (84°F DB/66°F WB) | 46°C DB/24°C WB (115°F DB/75°F WB) | 7.5m (24-9/16ft.) | 0m (0ft.) |

*7 Outdoor 48°C conditions (subject to KWS1893:2018). As per MEW.

| | Indoor | Outdoor | Pipe length | Level difference |
|---------|---------------------------------------|--------------------|-------------------|------------------|
| Cooling | 26.6°C DB/19.4°C WB (80°F DB/67°F WB) | 48°C DB (118°F DB) | 7.5m (24-9/16ft.) | 0m (0ft.) |

*8 External static pressure option is available (30Pa, 60Pa / 3.1mmH₂O, 6.1mmH₂O).

*Due to continuing improvement, above specification may be subject to change without notice.

OUTDOOR UNIT

Y-Series PUHY-P YKA (-BS)



Specifications

| Model | PUHY-P350YKA (-BS) | | PUHY-P400YKA (-BS) | | PUHY-P450YKA (-BS) | | |
|---|-------------------------------------|---|-------------------------------------|---|-------------------------------------|----------------|--|
| Power source | 3-phase 4-wire 380-400-415V 50/60HZ | | 3-phase 4-wire 380-400-415V 50/60HZ | | 3-phase 4-wire 380-400-415V 50/60HZ | | |
| Cooling capacity | Nominal *1 | kW | 40.0 | 45.0 | 48.0 | | |
| | | kcal/h | 35,000 | 40,000 | 43,000 | | |
| | | BTU/h | 136,500 | 153,500 | 163,800 | | |
| Power input | EER | kW | 11.69 | 13.55 | 15.78 | | |
| | | Current input | A | 19.7-18.7-18.0 | 22.8-21.7-20.9 | 26.6-25.3-24.3 | |
| | | kW/kW | 3.42 | 3.32 | 3.04 | | |
| Cooling capacity Outdoor 35°C DB (T1) | *2*3 | kW | 40.0 | 45.0 | 48.0 | | |
| | | Ton | 11.3 | 12.7 | 13.6 | | |
| | | BTU/h | 136,500 | 153,500 | 163,800 | | |
| Power input system *4 | EER system *5 | kW *7 | 10.29 | 13.64 | 15.35 | | |
| | | Power factor % *7 | 90 | 90 | 90 | | |
| | | Btu-h/W | 13.26 | 11.25 | 10.67 | | |
| Cooling capacity Outdoor 46°C DB (T3) | *3*6 | kW | 29.60 | 33.30 | 35.52 | | |
| | | Ton | 8.4 | 9.4 | 10.0 | | |
| | | BTU/h | 100,995 | 113,620 | 121,194 | | |
| Power input | EER | kW | 10.64 | 12.33 | 14.36 | | |
| | | Btu-h/W | 9.49 | 9.21 | 8.44 | | |
| | | kW | 24.84 | 26.08 | 27.12 | | |
| Cooling capacity Outdoor 48°C DB | *3*7 | Ton | 7.1 | 7.5 | 7.7 | | |
| | | BTU/h | 84,757 | 88,988 | 92,537 | | |
| | | kW | 7.92 | 9.17 | 9.23 | | |
| Power input system *4 | EER system *5 | kW | 8.82 | 10.11 | 10.20 | | |
| | | kW/Ton | 1.24 | 1.34 | 1.32 | | |
| | | Btu-h/W | 9.60 | 8.80 | 9.07 | | |
| 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) | *1 | kW | 40.0 | 45.0 | 48.0 | | |
| | | kcal/h | 35,000 | 40,000 | 43,000 | | |
| | | BTU/h | 136,500 | 153,500 | 163,800 | | |
| Power input | COP | kW | 9.61 | 10.92 | 13.33 | | |
| | | Current input | A | 16.2-15.4-14.8 | 18.4-17.5-16.8 | 22.5-21.3-20.6 | |
| | | kW/kW | 4.16 | 4.12 | 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~P400/1~30 | | P15~P500/1~34 | | | |
| Sound pressure level (measured in anechoic room) | | 61 | | 63 | | | |
| Refrigerant piping diameter | Liquid pipe | 12.7 (1/2) Brazed | | 15.88 (5/8) Brazed | | | |
| | Gas pipe | 28.58 (1-1/8) Brazed | | 28.58 (1-1/8) Brazed | | | |
| Fan | Type x Quantity | Propeller fan x1 | | Propeller fan x1 | | | |
| | Air flow rate | 210 | | 210 | | | |
| Control, Driving mechanism | | Inverter-control, Direct-driven by motor | | Inverter-control, Direct-driven by motor | | | |
| | Motor output | 0.92 x 1 | | 0.92 x 1 | | | |
| | External static press. | 0Pa (0mmH ₂ O) | | 0Pa (0mmH ₂ O) | | | |
| Compressor | Type | Inverter scroll hermetic compressor | | Inverter scroll hermetic compressor | | | |
| | Starting method | Inverter | | Inverter | | | |
| | Motor output | 10.4 | | 10.8 | | | |
| Case heater | kW | | - | | | | |
| External finish | | Pre-coated galvanized steel sheets (+powder coating for -BS type) <MUNSELL 3Y 7.8/1.1 or similar> | | Pre-coated galvanized steel sheets (+powder coating for -BS type) <MUNSELL 3Y 7.8/1.1 or similar> | | | |
| | | 1,650 x 1,220 x 740 | | 1,650 x 1,220 x 740 | | | |
| External dimension H x W x D | mm | 65 x 48-1/16 x 29-3/16 | | 65 x 48-1/16 x 29-3/16 | | | |
| | in. | High pressure sensor, High pressure switch at 4.15 Mpa (601psi) | | High pressure sensor, High pressure switch at 4.15 Mpa (601psi) | | | |
| Protection devices | High pressure protection | High pressure sensor, High pressure switch at 4.15 Mpa (601psi) | | High pressure sensor, High pressure switch at 4.15 Mpa (601psi) | | | |
| | Inverter circuit (COMP./FAN) | Over-heat protection, Over-current protection | | Over-heat protection, Over-current protection | | | |
| Refrigerant | Type x original charge | R410A x 11.5kg (26lbs) | | R410A x 11.5kg (26lbs) | | | |
| Net weight | kg (lbs) | 256 (565) | | 253 (558) | | | |
| Heat exchanger | | Salt-resistant cross fin & copper tube | | Salt-resistant cross fin & copper tube | | | |
| 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 | | | |

Notes:

*1 Nominal conditions (subject to JIS B8615-3).

| | Indoor | Outdoor | Pipe length | Level difference |
|---------|--------------------------------------|------------------------------------|----------------------|------------------|
| Cooling | 27°C DB/19°C WB (81°F DB/66°F WB) | 35°C DB (95°F DB) | 7.5m (24-9/16ft.) | 0m (0ft.) |
| Heating | 20°C DB/15°C WB (68°F DB/59°F WB) | 7°C DB/6°C WB (45°F DB/43°F WB) | 7.5m (24-9/16ft.) | 0m (0ft.) |

*2 Outdoor 35°C DB (T1) conditions (subject to ISO15042). As per SASO.

| | Indoor | Outdoor | Pipe length | Level difference |
|---------|--------------------------------------|--------------------------------------|----------------------|------------------|
| Cooling | 27°C DB/19°C WB (81°F DB/66°F WB) | 35°C DB/24°C WB (95°F DB/75°F WB) | 7.5m (24-9/16ft.) | 0m (0ft.) |

*3 Verified by 3rd party institute (JATL-Japan).

*4 Outdoor input + Indoor input.
*5 Capacity / Power input system.

*6 Outdoor 46°C DB (T3) conditions (subject to UAE.S ISO15042). As per ESMA.

| | Indoor | Outdoor | Pipe length | Level difference |
|---------|--------------------------------------|---------------------------------------|----------------------|------------------|
| Cooling | 29°C DB/19°C WB (84°F DB/66°F WB) | 46°C DB/24°C WB (115°F DB/75°F WB) | 7.5m (24-9/16ft.) | 0m (0ft.) |

*7 Outdoor 48°C conditions (subject to KWS1893:2018). As per MEW.

| | Indoor | Outdoor | Pipe length | Level difference |
|---------|--|-----------------------|----------------------|------------------|
| Cooling | 26.6°C DB/19.4°C WB (80°F DB/67°F WB) | 48°C DB (118°F DB) | 7.5m (24-9/16ft.) | 0m (0ft.) |

*8 External static pressure option is available (30Pa, 60Pa / 3.1mmH₂O, 6.1mmH₂O).

*Due to continuing improvement, above specification may be subject to change without notice.

OUTDOOR UNIT

Y-Series PUHY-P YKA (-BS)



Advantages of CITY MULTI

Outdoor unit

Indoor unit

Remote Controller

Optional parts

Lossnay

Precautions for use

Specifications

| Model | | | PUHY-P500YKA (-BS) | | |
|---|--|---|--|-------|-----------------------|
| Power source | 3-phase 4-wire 380-400-415V 50/60HZ | | | | |
| Cooling capacity | Nominal *1 | kW | 55.0 | | |
| | | kcal/h | 49,000 | | |
| | | BTU/h | 187,700 | | |
| Power input | Current input | kW | 18.39 | | |
| | | A | 31.0-29.4-28.4 | | |
| | | EER | 2.99 | | |
| | | kW/kW | 40.70 | | |
| Cooling capacity Outdoor 46°C DB (T3) | *2*3 | kW | 40.70 | | |
| | | Ton | 11.5 | | |
| | | BTU/h | 138,868 | | |
| | | Power input | kW | 16.18 | |
| | | EER | Btu-h/W | 8.58 | |
| Cooling capacity Outdoor 48°C DB | *3*4 | kW | 28.96 | | |
| | | Ton | 8.3 | | |
| | | BTU/h | 98,815 | | |
| | | Power input | kW | 10.35 | |
| | | Power input system *5 | kW | 11.33 | |
| Efficiency system | *6 | kW/Ton | 1.36 | | |
| | | Btu-h/W | 8.72 | | |
| | | EER system | 8.72 | | |
| 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) | *1 | kW | 55.0 | | |
| | | kcal/h | 49,000 | | |
| | | BTU/h | 187,700 | | |
| | | Power input | kW | 15.71 | |
| Current input | COP | A | 26.5-25.1-24.2 | | |
| | | kW/kW | 3.50 | | |
| | | 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-P500/1~43 | | |
| Sound pressure level (measured in anechoic room) | dB <A> | | 65 | | |
| 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 x2 | | |
| | Air flow rate | m ³ /min | 360 | | |
| | | L/s | 6,000 | | |
| | | cfm | 12,712 | | |
| Control, Driving mechanism | | Inverter-control, Direct-driven by motor | | | |
| *7 | Motor output | kW | 0.92 x 2 | | |
| | External static press. | | 0Pa (0mmH ₂ O) | | |
| | Compressor | | Inverter scroll hermetic compressor | | |
| Starting method | Type | | Inverter | | |
| | Motor output | | 13.3 | | |
| | Case heater | | kW | | |
| External finish | | Pre-coated galvanized steel sheets (+powder coating for -BS type) <MUNSELL 3Y 7.8/1.1 or similar> | | | |
| External dimension H x W x D | mm | | 1,650 x 1,750 x 740 | | |
| | in. | | 65 x 68-15/16 x 29-3/16 | | |
| Protection devices | High pressure protection | | High pressure sensor, High pressure switch at 4.15 Mpa (601psi) | | |
| | Inverter circuit (COMP./FAN) | | Over-heat protection, Over-current protection | | |
| Refrigerant | Type x original charge | | R410A x 11.8kg (27lbs) | | |
| Net weight | kg (lbs) | | 288 (635) | | |
| Heat exchanger | Salt-resistant cross fin & copper tube | | | | |
| Optional parts | Joint: CMY-Y102SS/LS-G2, CMY-Y202S-G2 Header: CMY-Y104/108/1010-G | | | | |

Notes:

*1 Nominal conditions (subject to JIS B8615-3).

| | Indoor | Outdoor | Pipe length | Level difference |
|---------|--------------------------------------|------------------------------------|----------------------|------------------|
| Cooling | 27°C DB/19°C WB (81°F DB/66°F WB) | 35°C DB (95°F DB) | 7.5m (24-9/16ft.) | 0m (0ft.) |
| | 20°C DB/15°C WB (68°F DB/59°F WB) | 7°C DB/6°C WB (45°F DB/43°F WB) | 7.5m (24-9/16ft.) | 0m (0ft.) |

*2 Outdoor 46°C DB (T3) conditions (subject to UAE.S ISO15042). As per ESMA.

| | Indoor | Outdoor | Pipe length | Level difference |
|---------|--------------------------------------|---------------------------------------|----------------------|------------------|
| Cooling | 29°C DB/19°C WB (84°F DB/66°F WB) | 46°C DB/24°C WB (115°F DB/75°F WB) | 7.5m (24-9/16ft.) | 0m (0ft.) |

*3 Verified by 3rd party institute (JATL-Japan).

*4 Outdoor 48°C conditions (subject to KWS1893:2018). As per MEW.

| | Indoor | Outdoor | Pipe length | Level difference |
|---------|--|-----------------------|----------------------|------------------|
| Cooling | 26.6°C DB/19.4°C WB (80°F DB/67°F WB) | 48°C DB (118°F DB) | 7.5m (24-9/16ft.) | 0m (0ft.) |

*5 Outdoor input + Indoor input.

*6 Capacity / Power input system.

*7 External static pressure option is available (30Pa, 60Pa / 3.1mmH₂O, 6.1mmH₂O).

*Due to continuing improvement, above specification may be subject to change without notice.

OUTDOOR UNIT

Y-Series PUHY-P YSKA (-BS)



Specifications

| Model | | | PUHY-P50YSKA (-BS) | PUHY-P600YSKA (-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 | 63.0 | 68.0 |
| | | kcal/h | 55,000 | 60,000 |
| | *1 | BTU/h | 215,000 | 232,000 |
| Power input | | kW | 16.07 | 18.18 |
| | | A | 27.1-25.7-24.8 | 30.6-29.1-28.1 |
| | EER | kW/kW | 3.92 | 3.74 |
| 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 | 63.0 | 68.0 |
| | | kcal/h | 55,000 | 60,000 |
| | *2 | BTU/h | 215,000 | 232,000 |
| Power input | | kW | 15.51 | 16.70 |
| | | A | 26.1-24.8-23.9 | 28.1-26.7-25.8 |
| | COP | kW/kW | 4.06 | 4.07 |
| 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~P500/1~47 | | P15~P500/1~50 |
| Sound pressure level (measured in anechoic room) | | dB <A> | 63 | 63 |
| Refrigerant piping diameter | 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 |

Set Model

| Model | | | PUHY-P250YSKA (-BS) | PUHY-P300YSKA (-BS) | PUHY-P250YSKA (-BS) | PUHY-P350YSKA (-BS) |
|-----------------------------------|--|---|--|---|-----------------------------|----------------------|
| Fan | Type x Quantity | Propeller fan x 1 | | Propeller fan x 1 | Propeller fan x 1 | Propeller fan x 1 |
| | Air flow rate | m ³ /min | 175 | 185 | 175 | 210 |
| | | L/s | 2,917 | 3,083 | 2,917 | 3,500 |
| | | cfm | 6,179 | 6,532 | 6,179 | 7,415 |
| | Control, Driving mechanism | Inverter-control, Direct-driven by motor | | Inverter-control, Direct-driven by motor | | |
| *3 External static press. | 0 Pa (0 mmH ₂ O) | | 0 Pa (0 mmH ₂ O) | 0 Pa (0 mmH ₂ O) | 0 Pa (0 mmH ₂ O) | |
| Compressor | Type | Inverter scroll hermetic compressor | | Inverter scroll hermetic compressor | | |
| | Starting method | Inverter | | Inverter | Inverter | |
| | Motor output | kW | 6.9 | 8.1 | 6.9 | 10.4 |
| | Case heater | kW | - | - | - | - |
| External finish | Pre-coated galvanized steel sheets (+powder coating for -BS type) <MUNSELL 3Y 7.8/1.1 or similar> | | Pre-coated galvanized steel sheets (+powder coating for -BS type) <MUNSELL 3Y 7.8/1.1 or similar> | | | |
| External dimension H x W x D | mm | 1,650 x 920 x 740 | 1,650 x 920 x 740 | 1,650 x 920 x 740 | 1,650 x 1,220 x 740 | |
| | in. | 65 x 36-1/4 x 29-3/16 | 65 x 36-1/4 x 29-3/16 | 65 x 36-1/4 x 29-3/16 | 65 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 | | |
| Refrigerant | Type x original charge | R410A x 8.0 kg (18 lbs) | R410A x 8.0 kg (18 lbs) | R410A x 8.0 kg (18 lbs) | R410A x 11.5 kg (26 lbs) | |
| Net weight | kg (lbs) | 195 (430) | 211 (466) | 195 (430) | 256 (565) | |
| Heat exchanger | Salt-resistant cross fin & copper tube | | Salt-resistant cross fin & copper tube | | | |
| Pipe between unit and distributor | Liquid pipe | mm (in.) | 9.52 (3/8) Brazed | 12.7 (1/2) Brazed | 9.52 (3/8) Brazed | 12.7 (1/2) Brazed |
| | Gas pipe | mm (in.) | 22.2 (7/8) Brazed | 22.2 (7/8) Brazed | 22.2 (7/8) Brazed | 28.58 (1-1/8) Brazed |
| 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 | | | |

Notes:

*1,*2 Nominal conditions

| | Indoor | Outdoor | Pipe length | Level difference |
|---------|-----------------------------------|---------------------------------|-------------------|------------------|
| Cooling | 27°C DB/19°C WB (81°F DB/66°F WB) | 35°C DB (95°F DB) | 7.5m (24-9/16ft.) | 0m (0ft.) |
| Heating | 20°C DB (68°F DB) | 7°C DB/6°C WB (45°F DB/43°F WB) | 7.5m (24-9/16ft.) | 0m (0ft.) |

*3 External static pressure option is available (30Pa, 60Pa / 3.1mmH₂O, 6.1mmH₂O).

*Nominal condition *1,*2 are subject to JIS B8615-2.

*Due to continuing improvement, above specification may be subject to change without notice.

OUTDOOR UNIT

Y-Series PUHY-P YSKA (-BS)



Advantages of CITY MULTI

Outdoor unit

Indoor unit

Remote Controller

Optional parts

Lossnay

Precautions for use

Specifications

| Model | | | PUHY-P650YSKA (-BS) | PUHY-P700YSKA (-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 | 73.0 | 76.0 |
| | | kcal/h | 65,000 | 68,000 |
| | *1 | BTU/h | 249,100 | 259,300 |
| Power input | | kW | 19.78 | 21.40 |
| | | A | 33.3-31.7-30.5 | 36.1-34.3-33.0 |
| | EER | kW/kW | 3.69 | 3.55 |
| 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 | 73.0 | 76.0 |
| | | kcal/h | 65,000 | 68,000 |
| | *2 | BTU/h | 249,100 | 259,300 |
| Power input | | kW | 18.02 | 20.00 |
| | | A | 30.4-28.8-27.8 | 33.7-32.0-30.9 |
| | COP | kW/kW | 4.05 | 3.80 |
| 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~P500/1~50 | | P15~P500/1~50 |
| Sound pressure level (measured in anechoic room) | | dB <A> | 64.5 | 64.5 |
| Refrigerant piping diameter | Liquid pipe | mm (in.) | 15.88 (5/8) Brazed | 19.05 (3/4) Brazed |
| | Gas pipe | mm (in.) | 28.58 (1-1/8) Brazed | 34.93 (1-3/8) Brazed |

Set Model

| Model | | | PUHY-P250YKA (-BS) | PUHY-P400YKA (-BS) | PUHY-P250YKA (-BS) | PUHY-P450YKA (-BS) |
|-----------------------------------|--|---|--|---|-----------------------------|-----------------------------|
| Fan | Type x Quantity | Propeller fan x 1 | | Propeller fan x 1 | Propeller fan x 1 | Propeller fan x 1 |
| | Air flow rate | m ³ /min | 175 | 210 | 175 | 210 |
| | | L/s | 2,917 | 3,500 | 2,917 | 3,500 |
| | | cfm | 6,179 | 7,415 | 6,179 | 7,415 |
| | Control, Driving mechanism | Inverter-control, Direct-driven by motor | | Inverter-control, Direct-driven by motor | | |
| *3 External static press. | 0 Pa (0 mmH ₂ O) | | 0 Pa (0 mmH ₂ O) | | 0 Pa (0 mmH ₂ O) | 0 Pa (0 mmH ₂ O) |
| Compressor | Type | Inverter scroll hermetic compressor | | Inverter scroll hermetic compressor | | |
| | Starting method | Inverter | | Inverter | | |
| | Motor output | kW | 6.9 | 10.8 | 6.9 | 12.4 |
| | Case heater | kW | - | - | - | - |
| External finish | Pre-coated galvanized steel sheets (+powder coating for -BS type) <MUNSELL 3Y 7.8/1.1 or similar> | | Pre-coated galvanized steel sheets (+powder coating for -BS type) <MUNSELL 3Y 7.8/1.1 or similar> | | | |
| External dimension H x W x D | mm | 1,650 x 920 x 740 | 1,650 x 1,220 x 740 | 1,650 x 920 x 740 | 1,650 x 1,220 x 740 | |
| | in. | 65 x 36-1/4 x 29-3/16 | 65 x 48-1/16 x 29-3/16 | 65 x 36-1/4 x 29-3/16 | 65 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 | | |
| Refrigerant | Type x original charge | R410A x 8.0 kg (18 lbs) | R410A x 11.5 kg (26 lbs) | R410A x 8.0 kg (18 lbs) | R410A x 11.5 kg (26 lbs) | |
| Net weight | kg (lbs) | 195 (430) | 253 (558) | 195 (430) | 253 (558) | |
| Heat exchanger | Salt-resistant cross fin & copper tube | | Salt-resistant cross fin & copper tube | | | |
| Pipe between unit and distributor | Liquid pipe | mm (in.) | 9.52 (3/8) Brazed | 15.88 (5/8) Brazed | 9.52 (3/8) Brazed | 15.88 (5/8) Brazed |
| | Gas pipe | mm (in.) | 22.2 (7/8) Brazed | 28.58 (1-1/8) Brazed | 22.2 (7/8) Brazed | 28.58 (1-1/8) Brazed |
| 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-Y200VBK2 Joint: CMY-Y102SS/LS-G2, CMY-Y202S/302S-G2 Header: CMY-Y104/108/1010-G | | | |

Notes:

*1,*2 Nominal conditions

| | Indoor | Outdoor | Pipe length | Level difference |
|---------|-----------------------------------|---------------------------------|-------------------|------------------|
| Cooling | 27°C DB/19°C WB (81°F DB/66°F WB) | 35°C DB (95°F DB) | 7.5m (24-9/16ft.) | 0m (0ft.) |
| Heating | 20°C DB (68°F DB) | 7°C DB/6°C WB (45°F DB/43°F WB) | 7.5m (24-9/16ft.) | 0m (0ft.) |

*3 External static pressure option is available (30Pa, 60Pa / 3.1mmH₂O, 6.1mmH₂O).

*Nominal condition *1,*2 are subject to JIS B8615-2.

*Due to continuing improvement, above specification may be subject to change without notice.

OUTDOOR UNIT

Y-Series PUHY-P YSKA (-BS)



Specifications

| Model | | | PUHY-P750YSKA (-BS) | PUHY-P800YSKA (-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 | 81.5 | 90.0 |
| | | kcal/h | 73,000 | 80,000 |
| | *1 | BTU/h | 278,100 | 307,100 |
| Power input | | kW | 23.90 | 27.10 |
| | | A | 40.3-38.3-36.9 | 45.7-43.4-41.8 |
| | EER | kW/kW | 3.41 | 3.32 |
| | | | | |
| 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 | 81.5 | 90.0 |
| | | kcal/h | 73,000 | 80,000 |
| | *2 | BTU/h | 278,100 | 307,100 |
| Power input | | kW | 22.20 | 23.01 |
| | | A | 37.4-35.6-34.3 | 38.8-36.9-35.5 |
| | COP | kW/kW | 3.67 | 3.91 |
| | | | | |
| 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~P500/1~50 | | P15~P500/1~50 |
| Sound pressure level (measured in anechoic room) | | dB <A> | 65.5 | 66 |
| Refrigerant piping diameter | Liquid pipe | mm (in.) | 19.05 (3/4) Brazed | 19.05 (3/4) Brazed |
| | Gas pipe | mm (in.) | 34.93 (1-3/8) Brazed | 34.93 (1-3/8) Brazed |

Set Model

| Model | | | PUHY-P300YKA (-BS) | PUHY-P450YKA (-BS) | PUHY-P400YKA (-BS) | PUHY-P400YKA (-BS) | |
|-----------------------------------|--|---|--|---|--|---|------|
| Fan | Type x Quantity | Propeller fan x 1 | | Propeller fan x 1 | Propeller fan x 1 | Propeller fan x 1 | |
| | Air flow rate | m ³ /min | 185 | 210 | 210 | 210 | |
| | | L/s | 3,083 | 3,500 | 3,500 | 3,500 | |
| | | cfm | 6,532 | 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 | |
| *3 External static press. | | 0 Pa (0 mmH ₂ O) | 0 Pa (0 mmH ₂ O) | 0 Pa (0 mmH ₂ O) | 0 Pa (0 mmH ₂ O) | 0 Pa (0 mmH ₂ O) | |
| Compressor | Type | Inverter scroll hermetic compressor | | Inverter scroll hermetic compressor | | Inverter scroll hermetic compressor | |
| | Starting method | Inverter | | Inverter | | Inverter | |
| | Motor output | kW | 8.1 | 12.4 | 10.8 | 10.8 | 10.8 |
| | Case heater | kW | - | - | - | - | - |
| External finish | Pre-coated galvanized steel sheets (+powder coating for -BS type) <MUNSELL 3Y 7.8/1.1 or similar> | | Pre-coated galvanized steel sheets (+powder coating for -BS type) <MUNSELL 3Y 7.8/1.1 or similar> | | Pre-coated galvanized steel sheets (+powder coating for -BS type) <MUNSELL 3Y 7.8/1.1 or similar> | | |
| External dimension H x W x D | | mm | 1,650 x 920 x 740 | 1,650 x 1,220 x 740 | 1,650 x 1,220 x 740 | 1,650 x 1,220 x 740 | |
| | | in. | 65 x 36-1/4 x 29-3/16 | 65 x 48-1/16 x 29-3/16 | 65 x 48-1/16 x 29-3/16 | 65 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 | |
| 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) | R410A x 11.5 kg (26 lbs) | R410A x 11.5 kg (26 lbs) | |
| Net weight | kg (lbs) | 211 (466) | 253 (558) | 253 (558) | 253 (558) | 253 (558) | |
| Heat exchanger | Salt-resistant cross fin & copper tube | | Salt-resistant cross fin & copper tube | | Salt-resistant cross fin & copper tube | | |
| Pipe between unit and distributor | Liquid pipe | mm (in.) | 12.7 (1/2) Brazed | 15.88 (5/8) Brazed | 15.88 (5/8) 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 | 28.58 (1-1/8) Brazed | |
| 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 | | Outdoor Twinning kit: CMY-Y200VBK2 Joint: CMY-Y102SS/LS-G2, CMY-Y202S/302S-G2 Header: CMY-Y104/108/1010-G | | |

Notes:

*1,*2 Nominal conditions

| | Indoor | Outdoor | Pipe length | Level difference |
|---------|--------------------------------------|---------------------------------|-------------------|------------------|
| Cooling | 27°C DB/19°C WB (81°F DB/66°F WB) | 35°C DB (95°F DB) | 7.5m (24-9/16ft.) | 0m (0ft.) |
| Heating | 20°C DB (68°F DB) | 7°C DB/6°C WB (45°F DB/43°F WB) | 7.5m (24-9/16ft.) | 0m (0ft.) |

*3 External static pressure option is available (30Pa, 60Pa / 3.1mmH₂O, 6.1mmH₂O).

*Nominal condition *1,*2 are subject to JIS B8615-2.

*Due to continuing improvement, above specification may be subject to change without notice.

OUTDOOR UNIT

Y-Series PUHY-P YSKA (-BS)



Advantages of CITY MULTI

Outdoor unit

Indoor unit

Remote Controller

Optional parts

Lossnay

Precautions for use

Specifications

| Model | | | PUHY-P850YSKA (-BS) | PUHY-P900YSKA (-BS) |
|--|----------------|----------|---------------------------------------|---------------------|
| Power source | | | 3-phase 4-wire 380-400-415 V 50/60 Hz | |
| Cooling capacity (Nominal) | *1 | kW | 93.0 | 96.0 |
| | | kcal/h | 83,000 | 86,000 |
| | *1 | BTU/h | 317,300 | 327,600 |
| Power input | | kW | 29.24 | 31.57 |
| | | A | 49.3-46.8-45.1 | 53.2-50.6-48.8 |
| | EER | kW/kW | 3.18 | 3.04 |
| | | | | |
| 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 | 93.0 | 96.0 |
| | | kcal/h | 83,000 | 86,000 |
| | *2 | BTU/h | 317,300 | 327,600 |
| Power input | | kW | 25.40 | 28.07 |
| | | A | 42.8-40.7-39.2 | 47.3-45.0-43.3 |
| | COP | kW/kW | 3.66 | 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~P500/1~50 | |
| Sound pressure level (measured in anechoic room) | | dB <A> | 66 | |
| 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-P400YKA (-BS) | PUHY-P450YKA (-BS) | PUHY-P450YKA (-BS) | PUHY-P450YKA (-BS) |
|-----------------------------------|------------------------------|-----------------------------|---|-----------------------------|---|------------------------|
| Fan | Type x Quantity | | Propeller fan x 1 | | Propeller fan x 1 | |
| | Air flow rate | m³/min | 210 | 210 | 210 | 210 |
| | | L/s | 3,500 | 3,500 | 3,500 | 3,500 |
| | | cfm | 7,415 | 7,415 | 7,415 | 7,415 |
| | Control, Driving mechanism | | Inverter-control, Direct-driven by motor | | Inverter-control, Direct-driven by motor | |
| *3 | External static press. | 0 Pa (0 mmH ₂ O) | | 0 Pa (0 mmH ₂ O) | | |
| Compressor | Type | | Inverter scroll hermetic compressor | | Inverter scroll hermetic compressor | |
| | Starting method | | Inverter | | Inverter | |
| | Motor output | kW | 10.8 | 12.4 | 12.4 | 12.4 |
| | Case heater | kW | - | - | - | - |
| External finish | | | Pre-coated galvanized steel sheets (+powder coating for -BS type) <MUNSELL 3Y 7.8/1.1 or similar> | | Pre-coated galvanized steel sheets (+powder coating for -BS type) <MUNSELL 3Y 7.8/1.1 or similar> | |
| External dimension H x W x D | mm | | 1,650 x 1,220 x 740 | 1,650 x 1,220 x 740 | 1,650 x 1,220 x 740 | 1,650 x 1,220 x 740 |
| | in. | | 65 x 48-1/16 x 29-3/16 | 65 x 48-1/16 x 29-3/16 | 65 x 48-1/16 x 29-3/16 | 65 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 | |
| Refrigerant | Type x original charge | | R410A x 11.5 kg (26 lbs) | | R410A x 11.5 kg (26 lbs) | |
| Net weight | kg (lbs) | | 253 (558) | | 253 (558) | |
| Heat exchanger | | | Salt-resistant cross fin & copper tube | | Salt-resistant cross fin & copper tube | |
| 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 | |
| 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 | |

Notes:

*1,*2 Nominal conditions

| | Indoor | Outdoor | Pipe length | Level difference |
|---------|-----------------------------------|---------------------------------|-------------------|------------------|
| Cooling | 27°C DB/19°C WB (81°F DB/66°F WB) | 35°C DB (95°F DB) | 7.5m (24-9/16ft.) | 0m (0ft.) |
| Heating | 20°C DB (68°F DB) | 7°C DB/6°C WB (45°F DB/43°F WB) | 7.5m (24-9/16ft.) | 0m (0ft.) |

*3 External static pressure option is available (30Pa, 60Pa / 3.1mmH₂O, 6.1mmH₂O).

*Nominal condition *1,*2 are subject to JIS B8615-2.

*Due to continuing improvement, above specification may be subject to change without notice.

OUTDOOR UNIT

Y-Series PUHY-P YSKA (-BS)



Specifications

| Model | | | PUHY-P950YSKA (-BS) | PUHY-P1000YSKA (-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 | 103.0 | 110.0 |
| | | kcal/h | 89,000 | 98,000 |
| | *1 | BTU/h | 351,400 | 375,300 |
| Power input | | kW | 34.21 | 36.78 |
| | | A | 57.7-54.8-52.8 | 62.0-58.9-56.8 |
| | EER | kW/kW | 3.01 | 2.99 |
| 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 | 103.0 | 110.0 |
| | | kcal/h | 89,000 | 98,000 |
| | *2 | BTU/h | 351,400 | 375,300 |
| Power input | | kW | 30.56 | 33.13 |
| | | A | 51.5-49.0-47.2 | 55.9-53.1-51.2 |
| | COP | kW/kW | 3.37 | 3.32 |
| 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~P500/1~50 | | P15~P500/1~50 |
| Sound pressure level (measured in anechoic room) | | dB <A> | 67.5 | 68 |
| Refrigerant piping diameter | Liquid pipe | mm (in.) | 19.05 (3/4) Brazed | 19.05 (3/4) Brazed |
| | Gas pipe | mm (in.) | 41.28 (1-5/8) Brazed | 41.28 (1-5/8) Brazed |

Set Model

| Model | | | PUHY-P450YKA (-BS) | PUHY-P500YKA (-BS) | PUHY-P500YKA (-BS) | PUHY-P500YKA (-BS) | |
|-----------------------------------|---|--|---|--|---|--|------|
| Fan | Type x Quantity | Propeller fan x 1 | | Propeller fan x 2 | Propeller fan x 2 | Propeller fan x 2 | |
| | Air flow rate | m ³ /min | 210 | 360 | 360 | 360 | |
| | | L/s | 3,500 | 6,000 | 6,000 | 6,000 | |
| | | cfm | 7,415 | 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 | |
| *3 External static press. | | 0 Pa (0 mmH ₂ O) | 0 Pa (0 mmH ₂ O) | 0 Pa (0 mmH ₂ O) | 0 Pa (0 mmH ₂ O) | 0 Pa (0 mmH ₂ O) | |
| Compressor | Type | Inverter scroll hermetic compressor | | Inverter scroll hermetic compressor | | Inverter scroll hermetic compressor | |
| | Starting method | Inverter | | Inverter | | Inverter | |
| | Motor output | kW | 12.4 | 13.3 | 13.3 | 13.3 | 13.3 |
| | Case heater | kW | - | - | - | - | - |
| External finish | Pre-coated galvanized steel sheets (+powder coating for -BS type) <MUNSELL 3Y 7.8/1.1 or similar> | | Pre-coated galvanized steel sheets (+powder coating for -BS type) <MUNSELL 3Y 7.8/1.1 or similar> | | Pre-coated galvanized steel sheets (+powder coating for -BS type) <MUNSELL 3Y 7.8/1.1 or similar> | | |
| External dimension H x W x D | mm | 1,650 x 1,220 x 740 | 1,650 x 1,750 x 740 | 1,650 x 1,750 x 740 | 1,650 x 1,750 x 740 | 1,650 x 1,750 x 740 | |
| | in. | 65 x 48-1/16 x 29-3/16 | 65 x 68-15/16 x 29-3/16 | 65 x 68-15/16 x 29-3/16 | 65 x 68-15/16 x 29-3/16 | 65 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 | |
| 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) | R410A x 11.8 kg (27 lbs) | R410A x 11.8 kg (27 lbs) | |
| Net weight | kg (lbs) | 253 (558) | 288 (635) | 288 (635) | 288 (635) | 288 (635) | |
| Heat exchanger | Salt-resistant cross fin & copper tube | | Salt-resistant cross fin & copper tube | | Salt-resistant cross fin & copper tube | | |
| Pipe between unit and distributor | Liquid pipe | mm (in.) | 15.88 (5/8) Brazed | 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 | 28.58 (1-1/8) Brazed | |
| 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 | | Outdoor Twinning kit: CMY-Y200VBK2 Joint: CMY-Y102SS/LS-G2, CMY-Y202S/302S-G2 Header: CMY-Y104/108/1010-G | | |

Notes:

*1,*2 Nominal conditions

| | Indoor | Outdoor | Pipe length | Level difference |
|---------|-----------------------------------|---------------------------------|-------------------|------------------|
| Cooling | 27°C DB/19°C WB (81°F DB/66°F WB) | 35°C DB (95°F DB) | 7.5m (24-9/16ft.) | 0m (0ft.) |
| Heating | 20°C DB (68°F DB) | 7°C DB/6°C WB (45°F DB/43°F WB) | 7.5m (24-9/16ft.) | 0m (0ft.) |

*3 External static pressure option is available (30Pa, 60Pa / 3.1mmH₂O, 6.1mmH₂O).

*Nominal condition *1,*2 are subject to JIS B8615-2.

*Due to continuing improvement, above specification may be subject to change without notice.

OUTDOOR UNIT

Y-Series PUHY-P YSKA (-BS)



Advantages of CITY MULTI

Outdoor unit

Indoor unit

Remote Controller

Optional parts

Lossnay

Precautions for use

Specifications

| Model | | | PUHY-P1050YSKA (-BS) | PUHY-P1100YSKA (-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 | 115.0 | 121.5 |
| | | kcal/h | 103,000 | 108,000 |
| | *1 | BTU/h | 392,400 | 414,600 |
| Power input | | kW | 32.57 | 35.63 |
| | | A | 54.9-52.2-50.3 | 60.1-57.1-55.0 |
| | EER | kW/kW | 3.53 | 3.41 |
| 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 | 115.0 | 121.5 |
| | | kcal/h | 103,000 | 108,000 |
| | *2 | BTU/h | 392,400 | 414,600 |
| Power input | | kW | 31.50 | 33.80 |
| | | A | 53.1-50.5-48.6 | 57.0-54.2-52.2 |
| | COP | kW/kW | 3.65 | 3.59 |
| 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~P500/2~50 | | P15~P500/2~50 |
| Sound pressure level (measured in anechoic room) | | dB <A> | 66.5 | 66.5 |
| Refrigerant piping diameter | Liquid pipe | mm (in.) | 19.05 (3/4) Brazed | 19.05 (3/4) Brazed |
| | Gas pipe | mm (in.) | 41.28 (1-5/8) Brazed | 41.28 (1-5/8) Brazed |

Set Model

| Model | | | PUHY-P300YKA (-BS) | PUHY-P300YKA (-BS) | PUHY-P450YKA (-BS) | PUHY-P300YKA (-BS) | PUHY-P350YKA (-BS) | PUHY-P450YKA (-BS) | |
|-----------------------------------|--|--|-----------------------------|--|--|-----------------------------|-----------------------------|-------------------------------------|-------------------|
| Fan | Type x Quantity | Propeller fan x 1 | | | | | | Propeller fan x 1 | Propeller fan x 1 |
| | Air flow rate | m³/min | 185 | 185 | 210 | 185 | 210 | 210 | |
| | | L/s | 3,083 | 3,083 | 3,500 | 3,083 | 3,500 | 3,500 | |
| | | cfm | 6,532 | 6,532 | 7,415 | 6,532 | 7,415 | 7,415 | |
| | Control, Driving mechanism | Inverter-control, Direct-driven by motor | | | Inverter-control, Direct-driven by motor | | | | |
| *3 External static press. | | 0 Pa (0 mmH ₂ O) | 0 Pa (0 mmH ₂ O) | 0 Pa (0 mmH ₂ O) | 0 Pa (0 mmH ₂ O) | 0 Pa (0 mmH ₂ O) | 0 Pa (0 mmH ₂ O) | | |
| Compressor | Type | Inverter scroll hermetic compressor | | | | | | Inverter scroll hermetic compressor | |
| | Starting method | Inverter | | Inverter | Inverter | Inverter | Inverter | Inverter | |
| | Motor output | 8.1 | | 8.1 | 12.4 | 8.1 | 10.4 | 12.4 | |
| | Case heater | - | | - | - | - | - | - | |
| External finish | Pre-coated galvanized steel sheets (+powder coating for -BS type) <MUNSELL 3Y 7.8/1.1 or similar> | | | Pre-coated galvanized steel sheets (+powder coating for -BS type) <MUNSELL 3Y 7.8/1.1 or similar> | | | | | |
| External dimension H x W x D | mm | 1,650 x 920 x 740 | 1,650 x 920 x 740 | 1,650 x 1,220 x 740 | 1,650 x 920 x 740 | 1,650 x 1,220 x 740 | 1,650 x 1,220 x 740 | | |
| | in. | 65 x 36-1/4 x 29-3/16 | 65 x 36-1/4 x 29-3/16 | 65 x 48-1/16 x 29-3/16 | 65 x 36-1/4 x 29-3/16 | 65 x 48-1/16 x 29-3/16 | 65 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 | | | | |
| Refrigerant | Type x original charge | R410A x 8.0 kg (18 lbs) | R410A x 8.0 kg (18 lbs) | R410A x 11.5 kg (26 lbs) | R410A x 8.0 kg (18 lbs) | R410A x 11.5 kg (26 lbs) | R410A x 11.5 kg (26 lbs) | | |
| Net weight | kg (lbs) | 211 (466) | 211 (466) | 253 (558) | 211 (466) | 256 (565) | 253 (558) | | |
| Heat exchanger | Salt-resistant cross fin & copper tube | | | | | | | | |
| Pipe between unit and distributor | Liquid pipe | mm (in.) | 12.7 (1/2) Brazed | 12.7 (1/2) Brazed | 15.88 (5/8) Brazed | 12.7 (1/2) 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 | 22.2 (7/8) Brazed | 28.58 (1-1/8) Brazed | 28.58 (1-1/8) Brazed | |
| 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 | | | | | |

Notes:

*1,*2 Nominal conditions

| | Indoor | Outdoor | Pipe length | Level difference |
|---------|-----------------------------------|---------------------------------|-------------------|------------------|
| Cooling | 27°C DB/19°C WB (81°F DB/66°F WB) | 35°C DB (95°F DB) | 7.5m (24-9/16ft.) | 0m (0ft.) |
| Heating | 20°C DB (68°F DB) | 7°C DB/6°C WB (45°F DB/43°F WB) | 7.5m (24-9/16ft.) | 0m (0ft.) |

*3 External static pressure option is available (30Pa, 60Pa / 3.1mmH₂O, 6.1mmH₂O).

*Nominal condition *1,*2 are subject to JIS B8615-2.

*Due to continuing improvement, above specification may be subject to change without notice.

OUTDOOR UNIT

Y-Series PUHY-P YSKA (-BS)



Specifications

| Model | | | PUHY-P1150YSKA (-BS) | PUHY-P1200YSKA (-BS) |
|--|----------------|----------|---------------------------------------|----------------------------------|
| Power source | | | 3-phase 4-wire 380-400-415 V 50/60 Hz | |
| Cooling capacity (Nominal) | *1 | kW | 130.0 | 135.0 |
| | | kcal/h | 115,000 | 120,000 |
| | | BTU/h | 443,600 | 460,600 |
| Power input | | kW | 38.80 | 40.66 |
| | | A | 65.5-62.2-59.9 | 68.6-65.2-62.8 |
| | EER | kW/kW | 3.35 | 3.32 |
| | | W.B. | 15.0~24.0°C (59~75°F) | 15.0~24.0°C (59~75°F) |
| Temp. range of cooling | Indoor | D.B. | -5.0~52.0°C (23~126°F) | -5.0~52.0°C (23~126°F) |
| | Outdoor | W.B. | -5.0~52.0°C (23~126°F) | -5.0~52.0°C (23~126°F) |
| Heating capacity (Nominal) | *2 | kW | 130.0 | 135.0 |
| | | kcal/h | 115,000 | 120,000 |
| | | BTU/h | 443,600 | 460,600 |
| Power input | | kW | 35.51 | 37.70 |
| | | A | 59.9-56.9-54.8 | 63.6-60.4-58.2 |
| | COP | kW/kW | 3.66 | 3.58 |
| | | W.B. | 15.0~27.0°C (59~81°F) | 15.0~27.0°C (59~81°F) |
| Temp. range of heating | Indoor | D.B. | -20.0~15.5°C (-4~60°F) | -20.0~15.5°C (-4~60°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~P500/2~50 | P15~P500/2~50 |
| Sound pressure level (measured in anechoic room) | | dB <A> | 67.5 | 68 |
| Refrigerant piping diameter | Liquid pipe | mm (in.) | 19.05 (3/4) Brazed | 19.05 (3/4) Brazed |
| | Gas pipe | mm (in.) | 41.28 (1-5/8) Brazed | 41.28 (1-5/8) Brazed |

Set Model

| Model | | | PUHY-P350YKA (-BS) | PUHY-P400YKA (-BS) | PUHY-P400YKA (-BS) | PUHY-P400YKA (-BS) | PUHY-P400YKA (-BS) | PUHY-P400YKA (-BS) |
|-----------------------------------|------------------------------|--|--|-----------------------------|--|--|-----------------------------|--------------------|
| Fan | Type x Quantity | | Propeller fan x 1 | Propeller fan x 1 | Propeller fan x 1 | Propeller fan x 1 | Propeller fan x 1 | Propeller fan x 1 |
| | Air flow rate | m ³ /min | 210 | 210 | 210 | 210 | 210 | 210 |
| | | L/s | 3,500 | 3,500 | 3,500 | 3,500 | 3,500 | 3,500 |
| | | cfm | 7,415 | 7,415 | 7,415 | 7,415 | 7,415 | 7,415 |
| | Control, Driving mechanism | | Inverter-control, Direct-driven by motor | | | Inverter-control, Direct-driven by motor | | |
| *3 External static press. | | 0 Pa (0 mmH ₂ O) | 0 Pa (0 mmH ₂ O) | 0 Pa (0 mmH ₂ O) | 0 Pa (0 mmH ₂ O) | 0 Pa (0 mmH ₂ O) | 0 Pa (0 mmH ₂ O) | |
| Compressor | Type | | Inverter scroll hermetic compressor | | | Inverter scroll hermetic compressor | | |
| | Starting method | | Inverter | Inverter | Inverter | Inverter | Inverter | Inverter |
| | Motor output | kW | 10.4 | 10.8 | 10.8 | 10.8 | 10.8 | 10.8 |
| | Case heater | kW | - | - | - | - | - | - |
| External finish | | Pre-coated galvanized steel sheets (+powder coating for -BS type) <MUNSELL 3Y 7.8/1.1 or similar> | | | Pre-coated galvanized steel sheets (+powder coating for -BS type) <MUNSELL 3Y 7.8/1.1 or similar> | | | |
| External dimension H x W x D | mm | 1,650 x 1,220 x 740 | 1,650 x 1,220 x 740 | 1,650 x 1,220 x 740 | 1,650 x 1,220 x 740 | 1,650 x 1,220 x 740 | 1,650 x 1,220 x 740 | |
| | in. | 65 x 48-1/16 x 29-3/16 | 65 x 48-1/16 x 29-3/16 | 65 x 48-1/16 x 29-3/16 | 65 x 48-1/16 x 29-3/16 | 65 x 48-1/16 x 29-3/16 | 65 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 | | |
| 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) | R410A x 11.5 kg (26 lbs) | R410A x 11.5 kg (26 lbs) | R410A x 11.5 kg (26 lbs) | |
| Net weight | kg (lbs) | 256 (565) | 253 (558) | 253 (558) | 253 (558) | 253 (558) | 253 (558) | |
| Heat exchanger | | Salt-resistant cross fin & copper tube | | | Salt-resistant cross fin & copper tube | | | |
| Pipe between unit and distributor | Liquid pipe | mm (in.) | 12.7 (1/2) Brazed | 15.88 (5/8) Brazed | 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 | 28.58 (1-1/8) Brazed | 28.58 (1-1/8) Brazed | |
| 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 | | | |

Notes:

*1,*2 Nominal conditions

| | Indoor | Outdoor | Pipe length | Level difference |
|---------|-----------------------------------|---------------------------------|-------------------|------------------|
| Cooling | 27°C DB/19°C WB (81°F DB/66°F WB) | 35°C DB (95°F DB) | 7.5m (24-9/16ft.) | 0m (0ft.) |
| Heating | 20°C DB (68°F DB) | 7°C DB/6°C WB (45°F DB/43°F WB) | 7.5m (24-9/16ft.) | 0m (0ft.) |

*3 External static pressure option is available (30Pa / 3.1mmH₂O, 6.1mmH₂O).

*Nominal condition *1,*2 are subject to JIS B8615-2.

*Due to continuing improvement, above specification may be subject to change without notice.

OUTDOOR UNIT

Y-Series PUHY-P YSKA (-BS)



Advantages of CITY MULTI

Outdoor unit

Indoor unit

Remote Controller

Optional parts

Lossnay

Precautions for use

Specifications

| Model | | | PUHY-P1250YSKA (-BS) | PUHY-P1300YSKA (-BS) |
|--|----------------|----------|---------------------------------------|----------------------|
| Power source | | | 3-phase 4-wire 380-400-415 V 50/60 Hz | |
| Cooling capacity (Nominal) | *1 | kW | 138.0 | 141.0 |
| | | kcal/h | 123,000 | 126,000 |
| | *1 | BTU/h | 470,900 | 481,100 |
| Power input | | kW | 43.12 | 45.77 |
| | | A | 72.7-69.1-66.6 | 77.2-73.4-70.7 |
| | EER | kW/kW | 3.20 | 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 | 138.0 | 141.0 |
| | | kcal/h | 123,000 | 126,000 |
| | *2 | BTU/h | 470,900 | 481,100 |
| Power input | | kW | 40.35 | 42.98 |
| | | A | 68.1-64.7-62.3 | 72.5-68.9-66.4 |
| | COP | kW/kW | 3.42 | 3.28 |
| 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~P500/2~50 | |
| Sound pressure level (measured in anechoic room) | | dB <A> | 68 | |
| 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-P400YKA (-BS) | PUHY-P400YKA (-BS) | PUHY-P450YKA (-BS) | PUHY-P400YKA (-BS) | PUHY-P450YKA (-BS) | PUHY-P450YKA (-BS) |
|-----------------------------------|------------------------------|-----------------------------|--|-----------------------------|-----------------------------|--|-----------------------------|--------------------------|
| Fan | Type x Quantity | | Propeller fan x 1 | | | Propeller fan x 1 | | |
| | Air flow rate | m ³ /min | 210 | 210 | 210 | 210 | 210 | 210 |
| | | L/s | 3,500 | 3,500 | 3,500 | 3,500 | 3,500 | 3,500 |
| | | cfm | 7,415 | 7,415 | 7,415 | 7,415 | 7,415 | 7,415 |
| | Control, Driving mechanism | | Inverter-control, Direct-driven by motor | | | Inverter-control, Direct-driven by motor | | |
| *3 | External static press. | 0 Pa (0 mmH ₂ O) | 0 Pa (0 mmH ₂ O) | 0 Pa (0 mmH ₂ O) | 0 Pa (0 mmH ₂ O) | 0 Pa (0 mmH ₂ O) | 0 Pa (0 mmH ₂ O) | |
| Compressor | Type | | Inverter scroll hermetic compressor | | | Inverter scroll hermetic compressor | | |
| | Starting method | | Inverter | Inverter | Inverter | Inverter | Inverter | Inverter |
| | Motor output | kW | 10.8 | 10.8 | 12.4 | 10.8 | 12.4 | 12.4 |
| | Case heater | kW | - | - | - | - | - | - |
| External finish | | | Pre-coated galvanized steel sheets (+powder coating for -BS type) <MUNSELL 3Y 7.8/1.1 or similar> | | | Pre-coated galvanized steel sheets (+powder coating for -BS type) <MUNSELL 3Y 7.8/1.1 or similar> | | |
| External dimension H x W x D | | mm | 1,650 x 1,220 x 740 | 1,650 x 1,220 x 740 | 1,650 x 1,220 x 740 | 1,650 x 1,220 x 740 | 1,650 x 1,220 x 740 | 1,650 x 1,220 x 740 |
| | | in. | 65 x 48-1/16 x 29-3/16 | 65 x 48-1/16 x 29-3/16 | 65 x 48-1/16 x 29-3/16 | 65 x 48-1/16 x 29-3/16 | 65 x 48-1/16 x 29-3/16 | 65 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 | | |
| 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) | R410A x 11.5 kg (26 lbs) | R410A x 11.5 kg (26 lbs) | R410A x 11.5 kg (26 lbs) |
| Net weight | | kg (lbs) | 253 (558) | 253 (558) | 253 (558) | 253 (558) | 253 (558) | 253 (558) |
| Heat exchanger | | | Salt-resistant cross fin & copper tube | | | Salt-resistant cross fin & copper tube | | |
| Pipe between unit and distributor | Liquid pipe | mm (in.) | 15.88 (5/8) Brazed | 15.88 (5/8) Brazed | 15.88 (5/8) Brazed | 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 | 28.58 (1-1/8) Brazed | 28.58 (1-1/8) Brazed | 28.58 (1-1/8) Brazed |
| 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 | | |

Notes:

*1,*2 Nominal conditions

| | Indoor | Outdoor | Pipe length | Level difference |
|---------|-----------------------------------|---------------------------------|-------------------|------------------|
| Cooling | 27°C DB/19°C WB (81°F DB/66°F WB) | 35°C DB (95°F DB) | 7.5m (24-9/16ft.) | 0m (0ft.) |
| Heating | 20°C DB (68°F DB) | 7°C DB/6°C WB (45°F DB/43°F WB) | 7.5m (24-9/16ft.) | 0m (0ft.) |

*3 External static pressure option is available (30Pa, 60Pa / 3.1mmH₂O, 6.1mmH₂O).

*Nominal condition *1,*2 are subject to JIS B8615-2.

*Due to continuing improvement, above specification may be subject to change without notice.

OUTDOOR UNIT

Y-Series PUHY-P YSKA (-BS)



Specifications

| Model | | | PUHY-P1350YSKA (-BS) | PUHY-P1400YSKA (-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 | 144.0 | 151.0 |
| | | kcal/h | 129,000 | 135,000 |
| | *1 | BTU/h | 491,300 | 515,200 |
| Power input | | kW | 48.64 | 52.24 |
| | | A | 82.1-78.0-75.1 | 88.1-83.7-80.7 |
| | EER | kW/kW | 2.96 | 2.89 |
| | | W.B. | 15.0~24.0°C (59~75°F) | 15.0~24.0°C (59~75°F) |
| Temp. range of cooling | Indoor | D.B. | -5.0~52.0°C (23~126°F) | -5.0~52.0°C (23~126°F) |
| | Outdoor | W.B. | | |
| Heating capacity (Nominal) | *2 | kW | 144.0 | 151.0 |
| | | kcal/h | 129,000 | 135,000 |
| | *2 | BTU/h | 491,300 | 515,200 |
| Power input | | kW | 46.15 | 49.50 |
| | | A | 77.9-74.0-71.3 | 83.5-79.3-76.5 |
| | COP | kW/kW | 3.12 | 3.05 |
| | | W.B. | 15.0~27.0°C (59~81°F) | 15.0~27.0°C (59~81°F) |
| Temp. range of heating | Indoor | D.B. | -20.0~15.5°C (-4~60°F) | -20.0~15.5°C (-4~60°F) |
| | Outdoor | W.B. | | |
| Indoor unit connectable | Total capacity | 50~130% of outdoor unit capacity | | 50~130% of outdoor unit capacity |
| | Model/Quantity | P15~P500/2~50 | | P15~P500/2~50 |
| Sound pressure level (measured in anechoic room) | | dB <A> | 68 | 68.5 |
| Refrigerant piping diameter | Liquid pipe | mm (in.) | 19.05 (3/4) Brazed | 19.05 (3/4) Brazed |
| | Gas pipe | mm (in.) | 41.28 (1-5/8) Brazed | 41.28 (1-5/8) Brazed |

Set Model

| Model | | | PUHY-P450YKA (-BS) | PUHY-P450YKA (-BS) | PUHY-P450YKA (-BS) | PUHY-P450YKA (-BS) | PUHY-P450YKA (-BS) | PUHY-P500YKA (-BS) | |
|-----------------------------------|--|--|-----------------------------|-----------------------------|--|--|-----------------------------|-----------------------------|--|
| Fan | Type x Quantity | Propeller fan x 1 | | Propeller fan x 1 | Propeller fan x 1 | Propeller fan x 1 | Propeller fan x 1 | Propeller fan x 2 | |
| | Air flow rate | m³/min | 210 | 210 | 210 | 210 | 210 | 360 | |
| | | L/s | 3,500 | 3,500 | 3,500 | 3,500 | 3,500 | 6,000 | |
| | | cfm | 7,415 | 7,415 | 7,415 | 7,415 | 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 1 | 0.92 x 1 | 0.92 x 1 | 0.92 x 1 | 0.92 x 2 | |
| | External static press. | Pa (mmH ₂ O) | 0 Pa (0 mmH ₂ O) | 0 Pa (0 mmH ₂ O) | 0 Pa (0 mmH ₂ O) | 0 Pa (0 mmH ₂ O) | 0 Pa (0 mmH ₂ O) | 0 Pa (0 mmH ₂ O) | |
| Compressor | Type | Inverter scroll hermetic compressor | | | | Inverter scroll hermetic compressor | | | |
| | Starting method | Inverter | Inverter | Inverter | Inverter | Inverter | Inverter | Inverter | |
| | Motor output | kW | 12.4 | 12.4 | 12.4 | 12.4 | 12.4 | 13.3 | |
| | Case heater | kW | - | - | - | - | - | - | |
| External finish | Pre-coated galvanized steel sheets (+powder coating for -BS type) <MUNSELL 3Y 7.8/1.1 or similar> | | | | Pre-coated galvanized steel sheets (+powder coating for -BS type) <MUNSELL 3Y 7.8/1.1 or similar> | | | | |
| External dimension H x W x D | mm | 1,650 x 1,220 x 740 | 1,650 x 1,220 x 740 | 1,650 x 1,220 x 740 | 1,650 x 1,220 x 740 | 1,650 x 1,220 x 740 | 1,650 x 1,750 x 740 | | |
| | in. | 65 x 48-1/16 x 29-3/16 | 65 x 48-1/16 x 29-3/16 | 65 x 48-1/16 x 29-3/16 | 65 x 48-1/16 x 29-3/16 | 65 x 48-1/16 x 29-3/16 | 65 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 | | | |
| 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) | R410A x 11.5 kg (26 lbs) | R410A x 11.5 kg (26 lbs) | R410A x 11.8 kg (27 lbs) | | |
| Net weight | kg (lbs) | 253 (558) | 253 (558) | 253 (558) | 253 (558) | 253 (558) | 288 (635) | | |
| Heat exchanger | Salt-resistant cross fin & copper tube | | | | | | | | |
| Pipe between unit and distributor | Liquid pipe | mm (in.) | 15.88 (5/8) Brazed | 15.88 (5/8) Brazed | 15.88 (5/8) Brazed | 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 | 28.58 (1-1/8) Brazed | 28.58 (1-1/8) Brazed | 28.58 (1-1/8) Brazed | |
| 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 | | | | |

Notes:

*1,*2 Nominal conditions

| | Indoor | Outdoor | Pipe length | Level difference |
|---------|-----------------------------------|---------------------------------|-------------------|------------------|
| Cooling | 27°C DB/19°C WB (81°F DB/66°F WB) | 35°C DB (95°F DB) | 7.5m (24-9/16ft.) | 0m (0ft.) |
| Heating | 20°C DB (68°F DB) | 7°C DB/6°C WB (45°F DB/43°F WB) | 7.5m (24-9/16ft.) | 0m (0ft.) |

*3 External static pressure option is available (30Pa / 3.1mmH₂O, 6.1mmH₂O).

*Nominal condition *1,*2 are subject to JIS B8615-2.

*Due to continuing improvement, above specification may be subject to change without notice.

OUTDOOR UNIT

Y-Series PUHY-P YSKA (-BS)



Advantages of CITY MULTI

Outdoor unit

Indoor unit

Remote Controller

Optional parts

Lossnay

Precautions for use

Specifications

| Model | | | PUHY-P1450YSKA (-BS) | PUHY-P1500YSKA (-BS) |
|--|----------------|----------|---------------------------------------|----------------------|
| Power source | | | 3-phase 4-wire 380-400-415 V 50/60 Hz | |
| Cooling capacity (Nominal) | *1 | kW | 158.0 | 165.0 |
| | | kcal/h | 141,000 | 147,000 |
| | *1 | BTU/h | 539,100 | 563,000 |
| Power input | | kW | 55.83 | 59.56 |
| | | A | 94.2-89.5-86.3 | 100.5-95.5-92.0 |
| | EER | kW/kW | 2.83 | 2.77 |
| 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 | 158.0 | 165.0 |
| | | kcal/h | 141,000 | 147,000 |
| | *2 | BTU/h | 539,100 | 563,000 |
| Power input | | kW | 52.49 | 56.12 |
| | | A | 88.6-84.1-81.1 | 94.7-90.0-86.7 |
| | COP | kW/kW | 3.01 | 2.94 |
| 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~P500/2~50 | |
| Sound pressure level (measured in anechoic room) | | dB <A> | 69.5 | 70 |
| 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-P450YKA (-BS) | PUHY-P500YKA (-BS) | PUHY-P500YKA (-BS) | PUHY-P500YKA (-BS) | PUHY-P500YKA (-BS) | PUHY-P500YKA (-BS) |
|-----------------------------------|------------------------------|-----------------------------|--|-----------------------------|-----------------------------|--|-----------------------------|-------------------------|
| Fan | Type x Quantity | | Propeller fan x 1 | Propeller fan x 2 | Propeller fan x 2 | Propeller fan x 2 | Propeller fan x 2 | Propeller fan x 2 |
| | Air flow rate | m³/min | 210 | 360 | 360 | 360 | 360 | 360 |
| | | L/s | 3,500 | 6,000 | 6,000 | 6,000 | 6,000 | 6,000 |
| | | cfm | 7,415 | 12,712 | 12,712 | 12,712 | 12,712 | 12,712 |
| | Control, Driving mechanism | | Inverter-control, Direct-driven by motor | | | Inverter-control, Direct-driven by motor | | |
| *3 | External static press. | 0 Pa (0 mmH ₂ O) | 0 Pa (0 mmH ₂ O) | 0 Pa (0 mmH ₂ O) | 0 Pa (0 mmH ₂ O) | 0 Pa (0 mmH ₂ O) | 0 Pa (0 mmH ₂ O) | |
| Compressor | Type | | Inverter scroll hermetic compressor | | | Inverter scroll hermetic compressor | | |
| | Starting method | | Inverter | Inverter | Inverter | Inverter | Inverter | Inverter |
| | Motor output | kW | 12.4 | 13.3 | 13.3 | 13.3 | 13.3 | 13.3 |
| | Case heater | kW | - | - | - | - | - | |
| External finish | | | Pre-coated galvanized steel sheets (+powder coating for -BS type) <MUNSELL 3Y 7.8/1.1 or similar> | | | Pre-coated galvanized steel sheets (+powder coating for -BS type) <MUNSELL 3Y 7.8/1.1 or similar> | | |
| External dimension H x W x D | mm | | 1,650 x 1,220 x 740 | 1,650 x 1,750 x 740 | 1,650 x 1,750 x 740 | 1,650 x 1,750 x 740 | 1,650 x 1,750 x 740 | 1,650 x 1,750 x 740 |
| | in. | | 65 x 48-1/16 x 29-3/16 | 65 x 68-15/16 x 29-3/16 | 65 x 68-15/16 x 29-3/16 | 65 x 68-15/16 x 29-3/16 | 65 x 68-15/16 x 29-3/16 | 65 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 | | |
| 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) | R410A x 11.8 kg (27 lbs) | R410A x 11.8 kg (27 lbs) | |
| Net weight | kg (lbs) | | 253 (558) | 288 (635) | 288 (635) | 288 (635) | 288 (635) | |
| Heat exchanger | | | Salt-resistant cross fin & copper tube | | | Salt-resistant cross fin & copper tube | | |
| Pipe between unit and distributor | Liquid pipe | mm (in.) | 15.88 (5/8) Brazed | 15.88 (5/8) Brazed | 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 | 28.58 (1-1/8) Brazed | 28.58 (1-1/8) Brazed | |
| 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 | | |

Notes:

*1,*2 Nominal conditions

| | Indoor | Outdoor | Pipe length | Level difference |
|---------|-----------------------------------|---------------------------------|-------------------|------------------|
| Cooling | 27°C DB/19°C WB (81°F DB/66°F WB) | 35°C DB (95°F DB) | 7.5m (24-9/16ft.) | 0m (0ft.) |
| Heating | 20°C DB (68°F DB) | 7°C DB/6°C WB (45°F DB/43°F WB) | 7.5m (24-9/16ft.) | 0m (0ft.) |

*3 External static pressure option is available (30Pa, 60Pa / 3.1mmH₂O, 6.1mmH₂O).

*Nominal condition *1,*2 are subject to JIS B8615-2.

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