

OTP-MZ Myriad Plus Ductless Multizone Heat Pump



Indoor Units

Outdoor Unit



Performance up to



-30°C
-22°F

Cooling



-30°C
-22°F

Heating

Up to



Features

Operation mode

- Cooling, heating, dehumidifying, fan and auto.

Nominal capacity

- 18000, 24000, 30000, 36000, 42000 BTU/hr.

Voltage

- 230/208V, 60 Hz, 1-phase.

Indoor unit

- High wall installation, dual side connection.
- Plastic housing, standard white.
- Washable filters.

Outdoor unit

- Variable speed rotary compressor (INVERTER), with overload protection.
- Electronic expansion valve for precise control of refrigerant flow.
- Condenser fins covered with a hydrophilic coating for improved corrosion resistance.
- Large diameter quiet axial-flow fan for more efficient heat exchange.
- Smart pan heater to prevent ice formation.
- Compressor blanket and preheating technology.
- Installation on aluminum wall bracket or ground stand (optional).

Connection piping

- Minimum piping length of 10 ft. (3 m).
- Flared connections.

Control

- Wireless remote included with each indoor unit.
- Wired wall controller available.
- Wi-Fi.
- Set temperature: 16 to 30 °C (61 to 86 °F).
- Temperature display format: °C or °F.

Warranty

- 10-year basic warranty on parts and 10-year basic warranty on the compressor (labor not included).
- Labour warranty (sold separately) from the 1st to 10th year, on parts and labour with system replacement if the compressor fails.

Application

- Dining room-kitchen, living room, family room, commercial building, office building, condo, restaurant.

Includes



Smart Pan Heater



Crankcase Heater



Fin Coating



Quiet Design



Smart Defrosting



Smart Preheating



Auto Restart



Auto-Clean



Self-Diagnosis



Sleep Mode



Turbo Mode



Up & Down Swing



Left & Right Swing



Timer



I Feel



Lock



Wireless Remote

Optional



Wall Controller



Wi-Fi

Models - Outdoor Unit

| Product # | | MPD18KCH21SB-0 | MPD24KCH21SB-0 | MPD30KCH21SB-0 | MPD36KCH21SB-0 | MPD42KCH21SB-0 | |
|-----------------------------------------------|--------------|----------------|-------------------------------|-------------------------------|--------------------------------|--------------------------------|--------------------------------|
| Technical Performance | | | | | | | |
| Number of connectable indoor unit | | - | 1 to 2 | 2 to 3 | 2 to 4 | 2 to 5 | |
| Voltage | Volts | 230/208 | 230/208 | 230/208 | 230/208 | 230/208 | |
| Cooling capacity | Nominal | W (BTU/hr) | 4982 (17000) | 6800 (23200) | 8300 (28400) | 9970 (34000) | 10550 (36000) |
| | Min. - max. | W (BTU/hr) | 2052 - 5744 (7000 - 19600) | 2200 - 9200 (7500 - 31400) | 2400 - 10000 (8190 - 34100) | 2600 - 10500 (8871 - 35826) | 2600 - 12000 (8871 - 40944) |
| Heating capacity | Nominal | W (BTU/hr) | 5275 (18000) | 7030 (24000) | 8792 (30000) | 10550 (36000) | 11720 (40000) |
| | Min. - max. | W (BTU/hr) | 2052 - 5744 (7000 - 19600) | 2200 - 9200 (7500 - 31400) | 2400 - 12000 (8188 - 40900) | 2600 - 13000 (8871 - 44356) | 2600 - 13500 (8871 - 46062) |
| Used cooling power input | Nominal | W | 1420 | 1860 | 2270 | 2830 | 3000 |
| Used heating power input | Nominal | W | 1380 | 1800 | 2250 | 2900 | 3020 |
| MCA | A | 20 | 25 | 30 | 30 | 30 | |
| Max. over-current protection (MOCP) | A | 20 | 25 | 35 | 45 | 45 | |
| SEER | - | 21 | 21 | 21 | 21 | 21 | |
| HSPF | - | 10 | 10 | 10 | 10 | 10 | |
| EER | W/W | 3.52 | 3.66 | 3.66 | 3.52 | 3.52 | |
| COP | W/W | 3.82 | 3.91 | 3.91 | 3.64 | 3.88 | |
| AHRI number | - | 210534127 | 210534128 | 210534129 | 210534130 | 210534131 | |
| ENERGY STAR | - | ✓ | ✓ | ✓ | ✓ | ✓ | |
| Air flow volume | cfm | 1354 | 2236 | 3413 | 3413 | 3413 | |
| Sound level | dB (A) | 64 | 68 | 74 | 74 | 74 | |
| Compressor power input | W | 1295 | 1887 | 2047 | 2294 | 2294 | |
| Compressor LRA | A | - | - | - | - | - | |
| Compressor RLA | A | 9.95 | 12.1 | 14.25 | 18.2 | 18.4 | |
| Fan motor power output | W | 30 | 60 | 130 | 130 | 130 | |
| Refrigerant volume (R410A) | oz (g) | 45.9 (1300) | 84.7 (2400) | 105.8 (3000) | 130.5 (3700) | 134 (3800) | |
| Net weight | lb (kg) | 77 (35) | 115 (52) | 152 (69) | 172 (78) | 174 (79) | |
| Operating ambient temperature | Cooling | °C (°F) | -30 to 48 (-22 to 118) | | | -30 to 48 (-22 to 118) | |
| | Heating | °C (°F) | -30 to 24 (-22 to 75) | | | -30 to 24 (-22 to 75) | |
| Connection Piping/Refrigerant | | | | | | | |
| Pre-charge length | ft. (m) | 33 (10) | 98 (30) | 131 (40) | 131 (40) | 131 (40) | |
| Additional refrigerant charge | oz/ft. (g/m) | 0.2 (20) | 0.2 (20) | 0.2 (20) | 0.2 (20) | 0.2 (20) | |
| Liquid pipe outer diameter | in. | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | |
| Gas pipe outer diameter | in. | 3/8 | 3/8 | 3/8 | 3/8 | 3/8 | |
| Max. height difference outdoor to indoor unit | ft. (m) | 49 (15) | 49 (15) | 82 (25) | 82 (25) | 82 (25) | |
| Max. total length | ft. (m) | 131 (40) | 197 (60) | 262 (80) | 262 (80) | 328 (100) | |

OTP-MZ / OTP-P (Pacific)

Models - OTP-P (Pacific) Indoor Unit

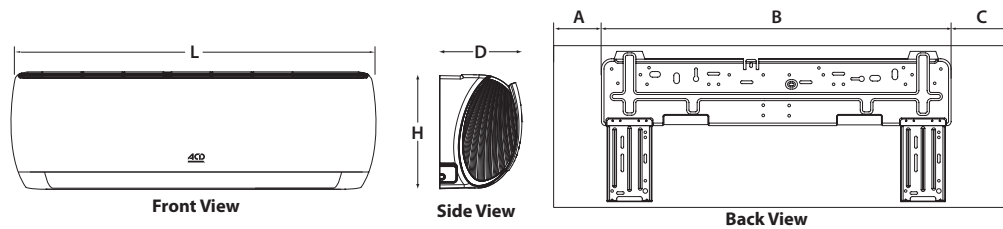
| Product # | | PUD09KCH25S-I | PUD12KCH24S-I | PUD18KCH23S-I | PUD24KCH24S-I |
|--------------------------------------|--------------|--------------------------------------------|--------------------------------------------|--------------------------------------------|--------------------------------------------|
| Cooling capacity | Nominal | W (BTU/hr) 2667 (9100) | 3517 (12000) | 5275 (18000) | 6450 (22000) |
| | Min. – max. | W (BTU/hr) 450 – 3150 (1535 - 10748) | 900 – 4132 (3070 - 14100) | 1500 – 6200 (5118 - 21154) | 2600 – 8200 (8870 - 28000) |
| Heating capacity | Nominal | W (BTU/hr) 3077 (10500) | 3517 (12000) | 5275 (18000) | 7040 (24000) |
| | Min. – max. | W (BTU/hr) 1000 – 4300 (3412 - 14671) | 900 – 4543 (3071 - 15500) | 1500 – 6200 (5118 - 21154) | 2100 – 9000 (7200 - 30708) |
| Dehumidification | pt/hr (l/hr) | 1.69 (0.8) | 2.96 (1.4) | 3.8 (1.8) | 5 (2.40) |
| Air flow volume | cfm | 353 / 323 / 294 / 264 / 235 / 176 / 158 | 400 / 364 / 329 / 288 / 264 / 247 / 229 | 589 / 500 / 441 / 412 / 383 / 353 / 324 | 736 / 588 / 530 / 471 / 441 / 412 / 383 |
| Sound level | dB (A) | 50 / 47 / 45 / 42 / 39 / 36 / 35 | 53 / 48 / 46 / 44 / 42 / 40 / 37 | 59 / 53 / 51 / 50 / 47 / 43 / 39 | 62 / 54 / 52 / 49 / 48 / 46 / 44 |
| Fan motor power output | W | 15 | 15 | 45 | 60 |
| Fan motor RLA | A | 0.22 | 0.20 | 0.35 | 0.30 |
| Deflector stepper motor power output | W | 1.5 | 1.5 | 1.5 | 1.5 |
| Net Weight | lb (kg) | 21 (9.5) | 21 (9.5) | 29 (13.5) | 35 (16) |

Note that each unit is individually packaged.

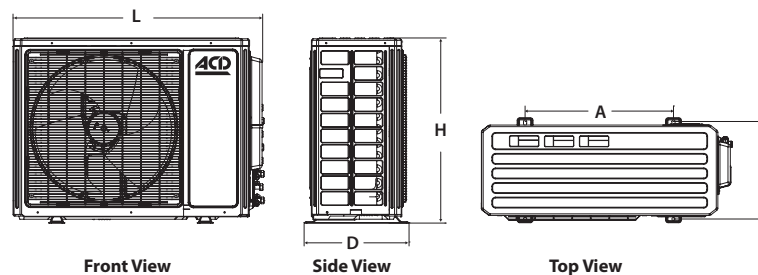
Options

See OTP Options section

Indoor Unit



Outdoor Unit



| Indoor Unit | L | | H | | D | | A | | B | | C | |
|--------------------------------|---------|------|---------|-----|---------|-----|-------|-----|---------|-----|--------|-----|
| | in. | mm | in. | mm | in. | mm | in. | mm | in. | mm | in. | mm |
| PUD09KCH25S-I PUD12KCH24S-I | 32 1/2 | 825 | 11 1/2 | 293 | 7 23/32 | 196 | 5 7/8 | 149 | 21 5/16 | 542 | 8 1/32 | 204 |
| PUD18KCH23S-I | 39 3/16 | 995 | 12 1/4 | 311 | 8 11/16 | 221 | 8 1/2 | 203 | 27 | 686 | 9 1/4 | 235 |
| PUD24KCH24S-I | 43 1/2 | 1105 | 13 7/64 | 333 | 9 11/16 | 246 | 8 1/2 | 203 | 27 | 686 | 9 1/4 | 235 |

| Outdoor Unit | L | | H | | D | | A | | B | |
|----------------|----------|------|----------|-----|----------|-----|----------|-----|----------|-----|
| | in. | mm | in. | mm | in. | mm | in. | mm | in. | mm |
| MPD18KCH21SB-O | 32 3/8 | 822 | 21 11/16 | 550 | 13 7/8 | 352 | 20 5/32 | 512 | 13 5/64 | 332 |
| MPD24KCH21SB-O | 37 15/16 | 964 | 26 | 660 | 15 13/16 | 402 | 22 | 559 | 14 1/2 | 368 |
| MPD30KCH21SB-O | | | | | | | | | | |
| MPD36KCH21SB-O | 40 1/8 | 1020 | 32 1/2 | 826 | 17 5/16 | 427 | 24 13/16 | 630 | 14 13/16 | 376 |
| MPD42KCH21SB-O | | | | | | | | | | |

OTP-MZ / OTP-P (Pacific)

To order

1 Choose the outdoor unit based on the system capacity required.

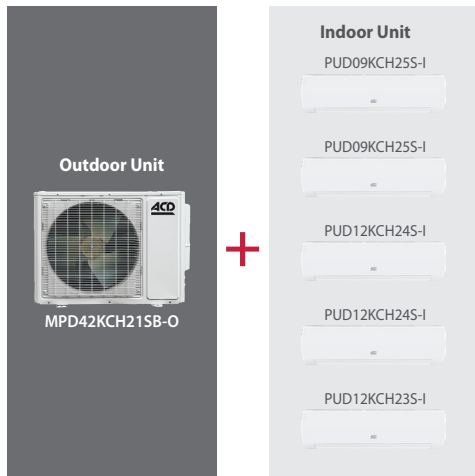
2 Choose the appropriate indoor unit combination by referring to the combination table below.
Refer to the legend to find the product # of the indoor units you want to order.

Note that each unit is individually packaged.

Example:

Outdoor unit required: MPD42KCH21SB-O

Indoor unit combination chosen: 09 + 09 + 12 + 12 + 12



Combination Table

| Outdoor Unit | 2 Indoor Units | | 3 Indoor Units | | 4 Indoor Units | | 5 Indoor Units | |
|----------------|----------------|--------------|----------------|-------------------|-------------------|---|------------------------|--|
| MPD18KCH21SB-O | 09 + 09 | | 09 + 09 + 09 | | 09 + 09 + 09 + 09 | | 09 + 09 + 09 + 09 + 09 | |
| | 09 + 12 | | 09 + 09 + 12 | | 09 + 09 + 12 + 12 | | 09 + 09 + 12 + 12 + 12 | |
| | 12 + 12 | | - | | - | | - | |
| MPD24KCH21SB-O | 09 + 09 | | 09 + 09 + 09 | | 09 + 09 + 09 + 09 | | 09 + 09 + 09 + 09 + 09 | |
| | 09 + 12 | | 09 + 09 + 12 | | 09 + 09 + 12 + 12 | | 09 + 09 + 12 + 12 + 12 | |
| | 09 + 18 | | - | | - | | - | |
| | 12 + 12 | | - | | - | | - | |
| | 12 + 18 | | - | | - | | - | |
| MPD30KCH21SB-O | 09 + 09 | | 09 + 09 + 09 | | 09 + 09 + 09 + 09 | | 09 + 09 + 09 + 09 + 09 | |
| | 09 + 12 | | 09 + 09 + 12 | | 09 + 09 + 12 + 12 | | 09 + 09 + 12 + 12 + 12 | |
| | 09 + 18 | | 09 + 09 + 18 | | 09 + 09 + 18 + 18 | | - | |
| | 12 + 12 | | 09 + 12 + 12 | | 09 + 12 + 12 + 12 | | - | |
| | 12 + 18 | | 09 + 12 + 18 | | 09 + 12 + 18 + 18 | | - | |
| | 18 + 18 | | 12 + 12 + 12 | | 12 + 12 + 12 + 12 | | - | |
| | | | 12 + 12 + 18 | | 12 + 12 + 18 + 18 | | - | |
| | | | 12 + 18 + 18 | | 12 + 18 + 18 + 18 | | - | |
| | | | - | | - | | - | |
| | | | - | | - | | - | |
| MPD36KCH21SB-O | 09 + 09 | | 09 + 09 + 09 | | 09 + 09 + 09 + 09 | | 09 + 09 + 09 + 09 + 09 | |
| | 09 + 12 | | 09 + 09 + 12 | | 09 + 09 + 12 + 12 | | 09 + 09 + 12 + 12 + 12 | |
| | 09 + 18 | | 09 + 09 + 18 | | 09 + 09 + 18 + 18 | | - | |
| | 09 + 24 | | 09 + 09 + 24 | | 09 + 09 + 24 + 24 | | - | |
| | 12 + 12 | | 09 + 12 + 12 | | 09 + 12 + 12 + 12 | | - | |
| | 12 + 18 | | 09 + 12 + 18 | | 09 + 12 + 18 + 18 | | - | |
| | 12 + 24 | | 09 + 12 + 24 | | 09 + 12 + 24 + 24 | | - | |
| | 18 + 18 | | 09 + 18 + 18 | | 09 + 18 + 18 + 18 | | - | |
| | 18 + 24 | | 09 + 18 + 24 | | 09 + 18 + 24 + 24 | | - | |
| | 24 + 24 | | 12 + 12 + 12 | | 12 + 12 + 12 + 12 | | - | |
| | - | | 12 + 12 + 18 | | 12 + 12 + 18 + 18 | | - | |
| | - | | 12 + 12 + 18 | | 12 + 12 + 18 + 18 | | - | |
| | - | | 12 + 12 + 24 | | 12 + 12 + 24 + 24 | | - | |
| | - | | 12 + 18 + 18 | | 12 + 18 + 18 + 18 | | - | |
| | - | | 12 + 18 + 18 | | 12 + 18 + 18 + 18 | | - | |
| | | - | | - | | - | | |
| MPD42KCH21SB-O | 09 + 09 | | 09 + 09 + 09 | | 09 + 09 + 09 + 09 | | 09 + 09 + 09 + 09 + 09 | |
| | 09 + 12 | | 09 + 09 + 12 | | 09 + 09 + 12 + 12 | | 09 + 09 + 12 + 12 + 12 | |
| | 09 + 18 | | 09 + 09 + 18 | | 09 + 09 + 18 + 18 | | 09 + 09 + 18 + 18 + 18 | |
| | 09 + 24 | | 09 + 09 + 24 | | 09 + 09 + 24 + 24 | | 09 + 09 + 24 + 24 + 24 | |
| | 12 + 12 | | 09 + 12 + 12 | | 09 + 12 + 12 + 12 | | 09 + 12 + 12 + 12 + 12 | |
| | 12 + 18 | | 09 + 12 + 18 | | 09 + 12 + 18 + 18 | | - | |
| | 12 + 24 | | 09 + 12 + 24 | | 09 + 12 + 24 + 24 | | - | |
| | 18 + 18 | | 09 + 18 + 18 | | 09 + 18 + 18 + 18 | | - | |
| | 18 + 24 | | 09 + 18 + 24 | | 09 + 18 + 24 + 24 | | - | |
| | 24 + 24 | | 09 + 24 + 24 | | 09 + 24 + 24 + 24 | | - | |
| | - | | 12 + 12 + 12 | | 12 + 12 + 12 + 12 | | - | |
| | - | | 12 + 12 + 18 | | 12 + 12 + 18 + 18 | | - | |
| | - | | 12 + 12 + 24 | | 12 + 12 + 24 + 24 | | - | |
| | - | | 12 + 18 + 18 | | 12 + 18 + 18 + 18 | | - | |
| | - | | 12 + 18 + 24 | | 12 + 18 + 24 + 24 | | - | |
| - | | 18 + 18 + 18 | | 18 + 18 + 18 + 18 | | - | | |
| | | - | | - | | - | | |

The combinations in red represent the combinations that offer 100% performance of the system in heating mode.

It is important that the sum power of the indoor units does not exceed 133% of the power of the outdoor unit.

Legend

| Code | BTU/hr | Product # Indoor Unit |
|------|--------------|-----------------------|
| 09 | 9000 BTU/hr | PUD09KCH25S-I |
| 12 | 12000 BTU/hr | PUD12KCH24S-I |
| 18 | 18000 BTU/hr | PUD18KCH23S-I |
| 24 | 24000 BTU/hr | PUD24KCH24S-I |