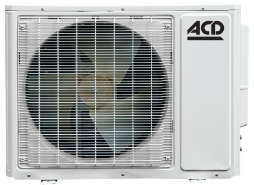
Series

OTP-MZ Myriad Plus Ductless Multizone Heat Pump

**Logo AHRILogo Inverter**A white air conditioner with a phone

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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 (labour 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.

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Outdoor Unit Models

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Product #** | | | | **MPD18KCH21SB-O** | **MPD24KCH21SB-O** | **MPD30KCH21SB-O** | **MPD36KCH21SB-O** | **MPD42KCH21SB-O** |
| **Qty** | | | |  |  |  |  |  |
| **Technical Performance** | | | | | | | | |
| **Number of connectable  indoor unit** | | | - | 1 to 2 | 2 to 3 | 2 to 4 | 2 to 5 | 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 |
| **SEER2** | | | - | 21 | 21 | 21 | 21 | 21 |
| **HSPF2** | | | - | 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](https://www.ahridirectory.org/Home/DownloadCertificate?ReferenceId=sUzbLVC3/aFB9wkj0dGAHyCVsSLmQA/Wtz42ll0229rfy/pPkIedLyC+dRDDKCCy&ProductTypeId=4611) | [210534128](https://www.ahridirectory.org/Home/DownloadCertificate?ReferenceId=sUzbLVC3/aFB9wkj0dGAHyCVsSLmQA/Wtz42ll0229qFDtDAqySW4NjtY/ktsq9V&ProductTypeId=4611) | [210534129](https://www.ahridirectory.org/Home/DownloadCertificate?ReferenceId=sUzbLVC3/aFB9wkj0dGAHyCVsSLmQA/Wtz42ll0229oA53GtfnZoZGpHeDvzWZHA&ProductTypeId=4611) | [210534130](https://www.ahridirectory.org/Home/DownloadCertificate?ReferenceId=sUzbLVC3/aFB9wkj0dGAHyCVsSLmQA/Wtz42ll0229oD7ArS++LwcuBKtgkP1Q22&ProductTypeId=4611) | [210534131](https://www.ahridirectory.org/Home/DownloadCertificate?ReferenceId=sUzbLVC3/aFB9wkj0dGAHyCVsSLmQA/Wtz42ll0229pwXXBiYSNPNyvZNBtaGzam&ProductTypeId=4611) |
| **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) | | | | |
| **Heating** | | °C (°F) | -30 à 24 (-22 à 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) |

Indoor Unit Models

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **Product #** | | | | **PUD09KCH25S-I** | **PUD12KCH24S-I** | **PUD18KCH23S-I** | **PUD24KCH24S-I** |
| **Qty** | | | |  |  |  |  |
| **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) |
| **Dehumidication** | | | 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.

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|  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **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** | 40 1/8 | 1020 | 32 1/2 | 826 | 17 5/16 | 427 | 24 13/16 | 630 | 14 13/16 | 376 |
| **MPD36KCH21SB-O** |
| **MPD42KCH21SB-O** |

**Options**See OTP Options section

**Specifications may change without prior notice**

|  |  |
| --- | --- |
| Project: | Approval  Information |
| Consultant Engineer: |
| Electrical Contractor: |
| Distributor: |
| Date: |
| Contact at Ouellet: |
| Comments: | |