



Myriad Plus Ductless Multizone
Heat Pump
OTP-MZ Series

Why choose a Ductless Wall-Mounted Heat Pump?

Ductless wall-mounted heat pumps, commonly known as “mini split” heat pumps, do not need air ducts like central systems. The outdoor unit (condenser) and the indoor unit (evaporator) are connected by refrigerant piping and electrical wires that pass through a small 3” opening in the wall.

Multizone

A multizone system consists of an outdoor unit that can be connected to multiple indoor units to provide optimal comfort in each room in the house, with independent control of each in- door unit.

Indoor Unit

- Plastic housing, standard white.
- Easy to dismantle for maintenance.
- Washable filters.

Outdoor Unit

- Variable speed rotary compressor (INVERTER), with overload protection.
- Compressor blanket and preheating technology.
- Quiet axial-flow fan.
- Condenser fins covered with a hydrophilic coating for improved corrosion resistance.

Performance up to



Cooling



Heating

Up to

21 SEER
IN COOLING

10 HSPF
IN HEATING



R410A



Features and functions



Smart Pan Heater

Prevents ice formation in the base pan of the outdoor unit.



Compressor Blanket and Preheating Technology

Keeps the oil inside the compressor warm and prevents it from mixing with the refrigerant.



Anti-Corrosion Fin Coating

Condenser and evaporator fins are covered with a hydrophilic coating for greater corrosion resistance – a clear advantage for people living in coastal regions.



Quiet Design

The innovative axial fan design and the strengthened motor bracket minimize vibrations and outside noise levels. The integrated rear base and evaporator make our indoor units some of the quietest on the market.



Smart Defrosting

Provides greater comfort and energy savings by eliminating unnecessary defrost cycles.



Smart Preheating

The system delays turning on the fan in heating mode to avoid blowing cold air out at startup.



Auto Restart

In case of power failure, user selection and system parameters are stored in non-volatile memory. The system will automatically return to the last operating mode when power resumes.



Auto-Clean

After the heat pump turns off, the fan continues to operate until the indoor unit is completely dry to prevent mold growth.



Self-Diagnosis

A microcomputer monitors the system and turns the unit off if abnormal operation is encountered. An error code will be displayed on the indoor unit to facilitate maintenance.



Sleep Mode

This function can be used to gradually increase or decrease room temperature, so you can save energy without affecting your sleep.



Turbo Mode

The unit operates at super high speed to achieve quick cooling or heating.



Up & Down Swing

Can be used to select oscillating angles for the horizontal louvers. Choose a fixed positions or use the auto swing mode to swing the louvers up and down in all positions.



Left & Right Swing

Can be used to select oscillating angles for the vertical louvers. Choose a fixed positions or use the auto swing mode to swing the louvers left and right in all positions.



Timer

Allows you to program the time you want the unit to start and stop over a 24-hour period.



I Feel

This function allows you to use the remote controls an ambient sensor.



Lock

This function disables unwanted temperature adjustments and the use of different modes on the device.



Wi-Fi

Use your phone, tablet or computer to control your unit, wherever you are (Internet connection required).



**10-year basic warranty
parts and compressor**

Models - Outdoor Unit

Product #			MPD18KCH21SB-O	MPD24KCH21SB-O	MPD30KCH21SB-O	MPD36KCH21SB-O	MPD42KCH21SB-O
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
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)		
	Heating	°C (°F)			-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)
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)

Models - 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)
Connection Piping/Refrigerant						
Liquid pipe outer diameter		in.	1/4	1/4	1/4	1/4
Gas pipe outer diameter		in.	3/8	1/2	5/8	5/8

Note that each unit is individually packaged.

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— THE BRAND —
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