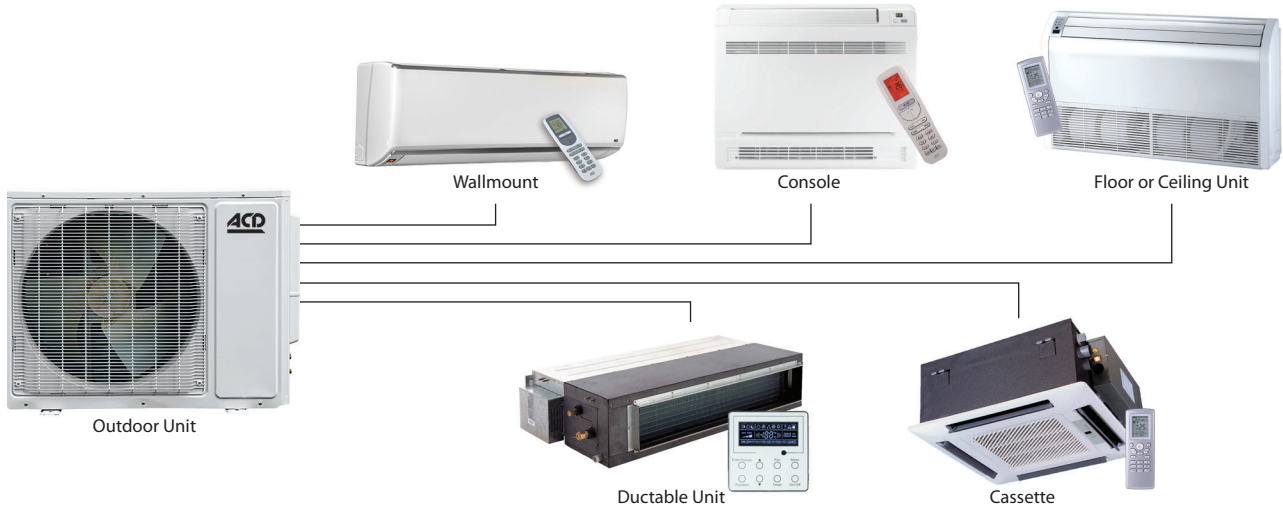




MUD-23

Ductless MultiZone Heat Pump



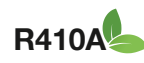
Performance up to



Up to

23 SEER
IN COOLING

10.5 HSPF
IN HEATING



Features

Operation mode

- Cooling, heating, dehumidifying, fan and auto.

Nominal capacity

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

Voltage

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

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.

Connection piping

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

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



Timer



Lock

MUD-23

Outdoor Unit Models

Product #			MUD18KCH23S-O	MUD24KCH23S-O	MUD36KCH23S-O	MUD42KCH23S-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)	5 300 (18 000)	6 450 (22 000)	10 550 (36 000)	12 300 (42 000)
	Min. – max.	W (BTU/hr)	2 015 - 6 155 (6 998 - 21 001)	2 198 - 9 672 (7 500 - 33 000)	2 600 - 12 500 (8 871 - 42 650)	2 600 - 12 600 (10 235 - 42 990)
Heating capacity	Nominal	W (BTU/hr)	6 150 (21 000)	7 650 (26 000)	10 550 (36 000)	12 300 (42 000)
	Min. – max.	W (BTU/hr)	2 052 - 7 600 (7 000 - 26 000)	2 198 - 9 100 (7 500 - 31 000)	2 600 - 12 460 (8 871 - 42 515)	3 000 - 13 700 (10 235 - 46 744)
Used cooling power input	Nominal	W	1450	1760	4020	4660
Used heating power input	Nominal	W	1710	2090	3300	3600
MCA		A	22	26	32	32
Max. over-current protection (MOCP)		A	35	40	60	60
SEER		-	23	23	23	23
HSPF		-	10.5	10.5	10	10
EER		W/W	12.5	12.5	9	9
COP		W/W	3.6	3.6	3.2	3.4
ENERGY STAR		-	✓	✓	-	-
Air flow volume		cfm	2530	2530	3060	3060
Sound level		dB (A)	58	60	62	62
Compressor power input		W	14.9	17	27	28.5
Compressor LRA		A	90	90	90	90
Fan motor power output		W	77.6 (2200)	77.6 (2200)	158 (4500)	176 (5000)
Refrigerant volume (R410A)		oz (g)	171 (78)	95 (2700)	282 (128)	282 (128)
Net weight		lb (kg)	171 (78)	171 (78)	282 (128)	282 (128)
Operating ambient temperature	Cooling	°C (°F)	-18 to 48 (0 to 118)			
	Heating	°C (°F)	-35 to 24 (-31 to 75.2)			
Connection Piping/Refrigerant						
Pre-charge length		ft. (m)	65.6 (20)	98.4 (30)	131 (40)	131 (40)
Additional refrigerant charge		oz/ft. (g/m)	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
Gas pipe outer diameter		in.	3/8	3/8	3/8	3/8
Max. height difference outdoor to indoor unit		ft. (m)	26.2 (8)	26.2 (8)	49.21 (15)	49.21 (15)
Max. height difference between indoor units		ft. (m)	26.2 (8)	26.2 (8)	49.21 (15)	49.21 (15)
Max. length outdoor to last indoor unit		ft. (m)	82 (25)	82 (25)	82 (25)	82 (25)
Max. total length		ft. (m)	164 (50)	229.7 (70)	246.1 (75)	262.5 (80)



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Specifications are subject to change
without notice