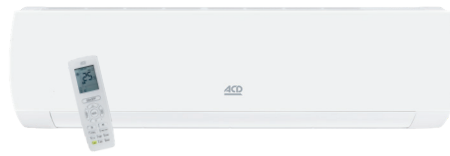




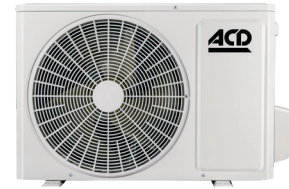
Polar

Ductless Single Zone Heat Pump

X61002_A



Indoor Unit (Muse head model)



Outdoor Unit

Performance up to



Cooling



Heating

Up to

25.5 SEER2
IN COOLING

10.2 HSPF2
IN HEATING



Eligible for certain government programs¹



Features

Operation mode

- Cooling, heating, dehumidifying, fan and auto.

Nominal capacity

- 9000, 12000, 18000, 24000 BTU/hr.

Voltage

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

Indoor unit

- High wall installation, dual side connection.
- Plastic housing, standard white.
- 7-speed cross-flow fan (auto, turbo, high, medium-high, medium, low and very low)
- 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.

Connection piping

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

Control

- Wireless remote included.
- Wired wall controller available.
- Wi-Fi (optional).
- Sinopé interface (optional HP6000ZB-GE and GT130 required).
- 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).

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

¹ Validate your eligibility for government programs base on your regions and heat pump model.

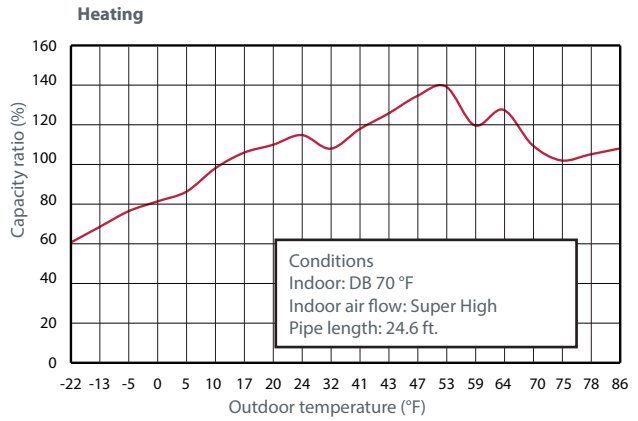
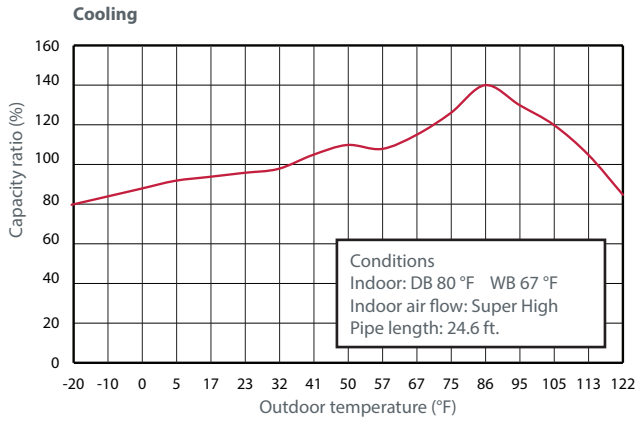
Pular Models

Product # ¹	Indoor Unit (Muse head model) Outdoor Unit	PUD09KCH25S-I PUD09KCH25S-O	PUD12KCH24S-I PUD12KCH24S-O	PUD18KCH23S-I PUD18KCH23S-O	PUD24KCH24S-I PUD24KCH24S-O	
Technical Performance						
Voltage		Volts	230/208	230/208	230/208	230/208
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)
Used cooling power input	Nominal	W	619	961	1384	1679
	Min. – max.	W	130 - 1013	220 - 1400	130 - 2300	290 - 2600
Used heating power input	Nominal	W	848	923	1384	1870
	Min. – max.	W	228 - 1343	220 - 1500	250 - 2350	470 - 3100
Used rated input		W	1343	1500	2350	3100
Rated current		A	4.73	6.30	11.50	15.30
MCA		A	10	10	14	16
Max. over-current protection (MOCP)		A	15	15	20	25
SEER2 (SEER)		-	25.5 (25.5)	24 (24)	23.5 (23)	24.5 (24)
HSPF2 (HSPF)		-	10.2 (12)	9 (11)	9 (11)	9.5 (11)
EER		W/W	4.31	3.66	3.81	3.85
COP		W/W	3.90	3.81	3.81	3.79
AHRI number		-	210534142	210534143	210534144	210534145
Energy Star		-	✓	✓	✓	✓
Indoor Unit						
Dehumidification		pt/hr (l/hr)	1.69 (0.80)	2.96 (1.4)	3.80 (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)
Outdoor Unit						
Air flow volume		m3/hr	2200	2200	3600	4500
Sound level		dB (A)	52	52	59	62
Compressor power input		W	800	784	1196	1350
Compressor LRA		A	-	-	-	-
Compressor RLA		A	6.50	6.80	9.25	11
Fan motor power output		W	30	30	60	90
Fan motor RLA		A	0.4	0.4	0.9	0.6
Refrigerant volume (R410A)		oz (g)	35.28 (1000)	42.33 (1200)	54.70 (1550)	60 (1700)
Net weight		lb (kg)	70.5 (32)	70.5 (32)	98 (44.5)	108 (49)
Operating ambient temperature	Cooling	°C (°F)				-29 to 50 (-20 to 122)
	Heating	°C (°F)				-30 to 30 (-22 to 86)
Connection Piping/Refrigerant						
Pre-charge length		ft. (m)	25 (7.5)	25 (7.5)	25 (7.5)	25 (7.5)
Additional refrigerant charge		oz/ft. (g/m)	0.2 (20)	0.2 (20)	0.5 (50)	0.5 (50)
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
Maximum height difference		ft. (m)	33 (10)	33 (10)	33 (10)	82 (25)
Maximum total length		ft. (m)	49 (15)	66 (20)	82 (25)	131 (40)

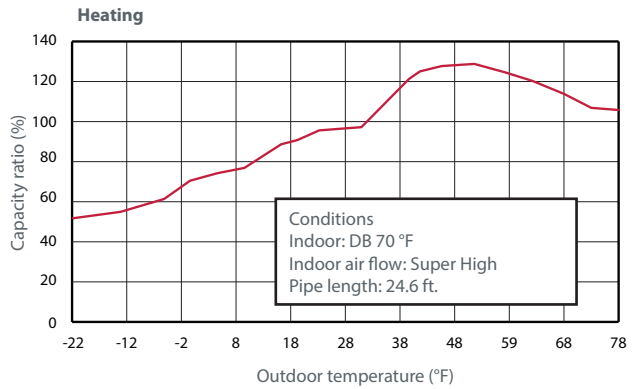
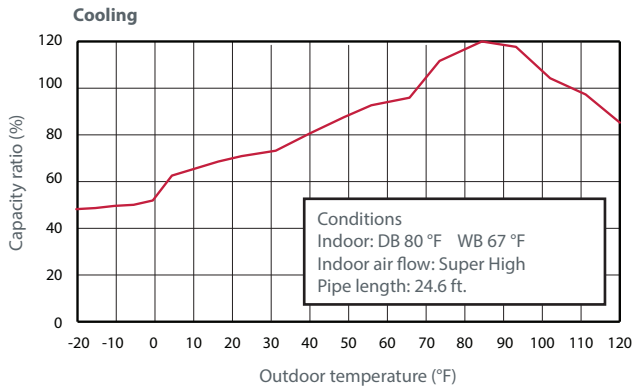
¹ 1 indoor unit and 1 outdoor unit. Note that each unit is individually packaged.

Capacity Variation Ratio According to Temperature

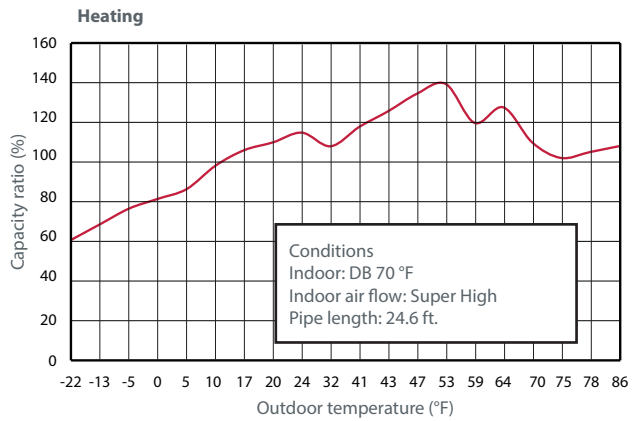
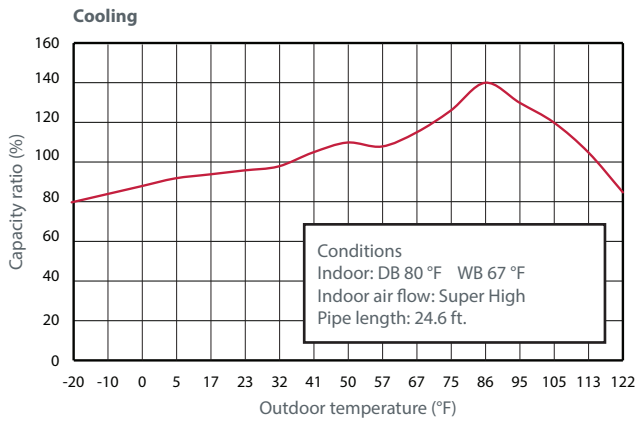
PUD09



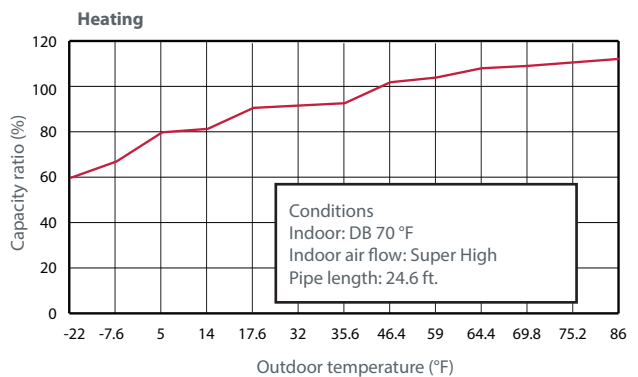
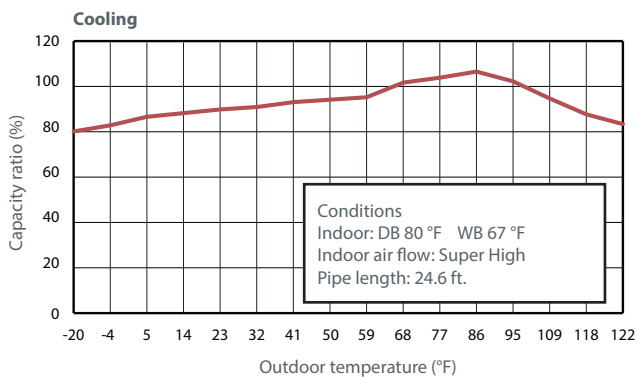
PUD12



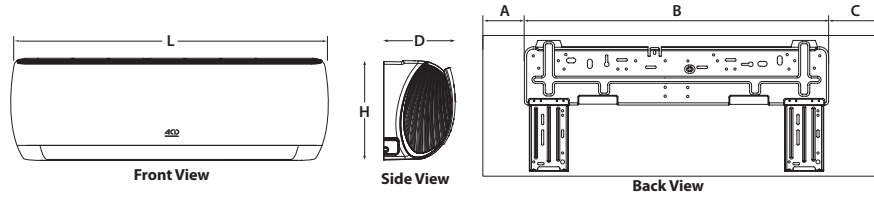
PUD18



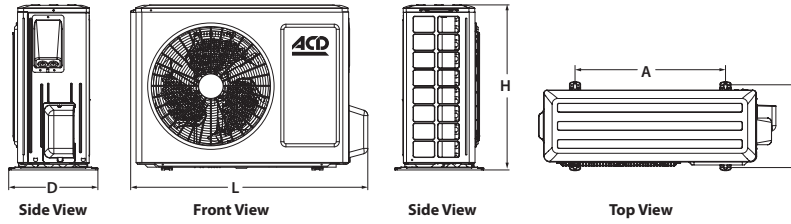
PUD24



Indoor Unit



Outdoor Unit



Indoor Unit (Muse head model)	L		H		D		A		B		C	
	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm
PUD09KCH25S-I PUD12KCH24S-I	34 3/8	848	11 7/16	291	8 5/16	211	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
PUD09KCH25S-O PUD12KCH24S-O	31 37/64	802	21 54/64	555	13 50/64	350	20 5/32	512	13 5/64	332
PUD18KCH23S-O	37 46/64	958	26	660	15 53/64	402	24	610	15 9/16	395
PUD24KCH24S-O	39 6/16	1000	29 6/16	746	16 13/16	427	24	610	15 9/16	395



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Specifications are subject to change without notice

Authorized Retailer