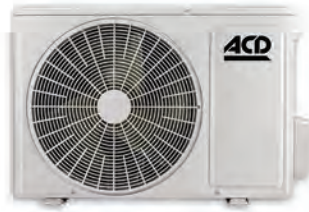


OTP-P Pacific Ductless Single Zone Heat Pump



Indoor Unit
(Muse head model)



Outdoor Unit



Performance up to



Cooling



Heating

Up to

25.5 SEER2
IN COOLING

10.2 HSPF2
IN HEATING



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.
- 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.
- Wired wall controller available.
- Wi-Fi in option.
- 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).
- 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

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	PUD30KCH20S-I PUD30KCH20S-O	PUD36KCH20S-I PUD36KCH20S-O	
Technical Performance								
Voltage		Volts	230/208	230/208	230/208	230/208	230/208	
Cooling capacity	Nominal	W (BTU/hr)	2667 (9100)	3517 (12000)	5275 (18000)	6450 (22000)	8800 (30000)	9850 (33600)
	Min. – max.	W (BTU/hr)	450 - 3150 (1535 - 10748)	900 - 4132 (3070 - 14100)	1500 - 6200 (5118 - 21154)	2600 - 8200 (8870 - 28000)	2280 - 10400 (7780 - 35500)	2200 - 10900 (7500 - 37200)
Heating capacity	Nominal	W (BTU/hr)	3077 (10500)	3517 (12000)	5275 (18000)	7040 (24000)	8800 (30000)	10140 (34600)
	Min. – max.	W (BTU/hr)	1000 - 4300 (3412 - 14671)	900 - 4543 (3071 - 15500)	1500 - 6200 (5118 - 21154)	2100 - 9000 (7200 - 30708)	2670 - 10800 (9100 - 36850)	3000 - 11300 (10200 - 38500)
Used cooling power input	Nominal	W	619	961	1384	1679	2667	3200
	Min. – max.	W	130 - 1013	220 - 1400	130 - 2300	290 - 2600	650 - 3600	670 - 4000
Used heating power input	Nominal	W	848	923	1384	1870	2588	3200
	Min. – max.	W	228 - 1343	220 - 1500	250 - 2350	470 - 3100	650 - 3900	600 - 3950
Used rated input		W	1343	1500	2350	3100	3900	4000
Rated current		A	4.73	6.30	11.50	15.30	19	20
MCA		A	10	10	14	16	20	23
Max. over-current protection (MOCP)		A	15	15	20	25	30	35
SEER2 (SEER)		-	25.5 (25.5)	24 (24)	23.5 (23)	24.5 (24)	20 (19)	20 (20)
HSPF2 (HSPF)		-	10.2 (12)	9 (11)	9 (11)	9.5 (11)	8.5 (10)	8.5 (9)
EER		W/W	4.31	3.66	3.81	3.85	3.30	3.08
COP		W/W	3.90	3.81	3.81	3.79	3.40	3.17
AHRI number		-	210534142	210534143	211619266	210534144	211709659	211709660
ENERGY STAR		-						

Indoor Unit

Dehumidification	pt/hr (l/hr)	1.69 (0.80)	2.96 (1.4)	3.80 (1.8)	5 (2.40)	7.4 (3.50)	7.4 (3.50)
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	912 / 736 / 706 / 647 / 588 / 530 / 471	912 / 736 / 706 / 647 / 588 / 530 / 471
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	66 / 60 / 57 / 55 / 52 / 50 / 47	66 / 60 / 57 / 55 / 52 / 50 / 47
Fan motor power output	W	15	15	45	60	70	70
Fan motor RLA	A	0.22	0.20	0.35	0.30	0.6	0.75
Deflector stepper motor power output	W	1.5	1.5	1.5	1.5	1.5	1.5
Net weight	lb (kg)	21 (9.5)	21 (9.5)	29 (13.5)	35 (16)	44 (24.5)	44 (24.5)

Outdoor Unit

Air flow volume	m ³ /hr	2200	2200	3600	4500	4500	4500
Sound level	dB (A)	52	52	59	62	72	72
Compressor power input	W	800	784	1196	1350	2020	2294
Compressor LRA	A	-	-	-	-	-	-
Compressor RLA	A	6.50	6.80	9.25	11	14.2	16
Fan motor power output	W	30	30	60	90	90	90
Fan motor RLA	A	0.4	0.4	0.9	0.6	0.90	1.50
Refrigerant volume (R410A)	oz (g)	35.28 (1000)	42.33 (1200)	54.70 (1550)	60 (1700)	74.1 (2100)	84.7 (2400)
Net weight	lb (kg)	70.5 (32)	70.5 (32)	98 (44.5)	108 (49)	113.6 (56.5)	127.9 (58)
Operating ambient temperature	Cooling	°C (°F)					
	Heating	°C (°F)					
		-29 to 50 (-20 to 122)					
		-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)	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)	0.5 (50)	0.5 (50)
Liquid pipe outer diameter	in.	1/4	1/4	1/4	1/4	1/4	1/4
Gas pipe outer diameter	in.	3/8	1/2	5/8	5/8	5/8	5/8
Maximum height difference	ft. (m)	40 (12.2)	40 (12.2)	66 (20)	82 (25)	82 (25)	82 (25)
Maximum total length	ft. (m)	66 (20)	66 (20)	82 (25)	131 (40)	82 (25)	82 (25)

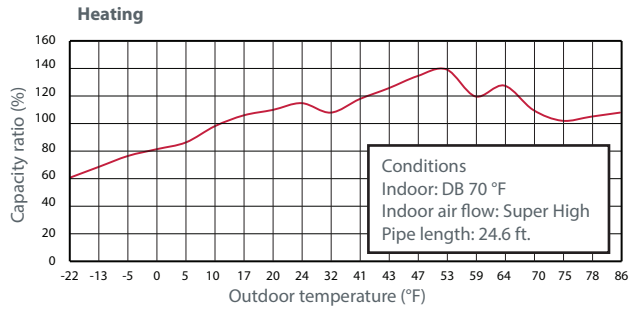
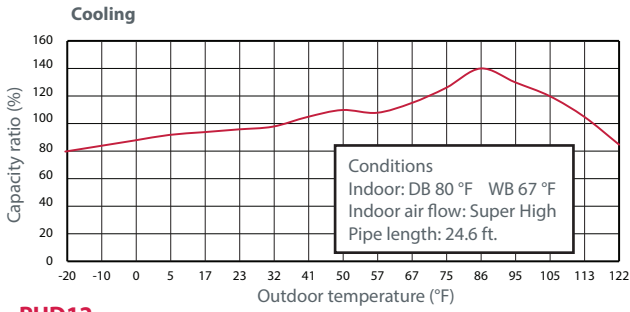
¹ 1 indoor unit and 1 outdoor unit. Note that each unit is individually packaged.

Options

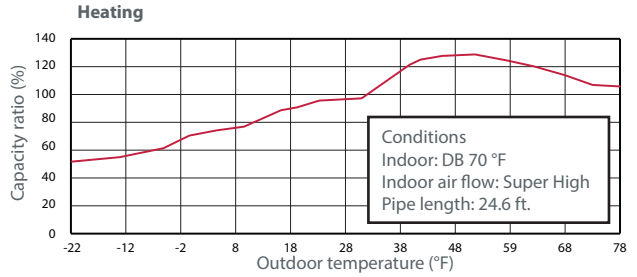
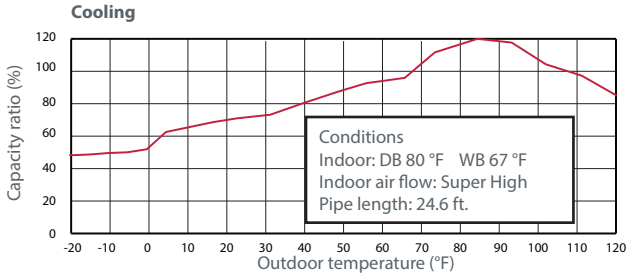
See OTP Options section

Capacity Variation Ratio According to Temperature

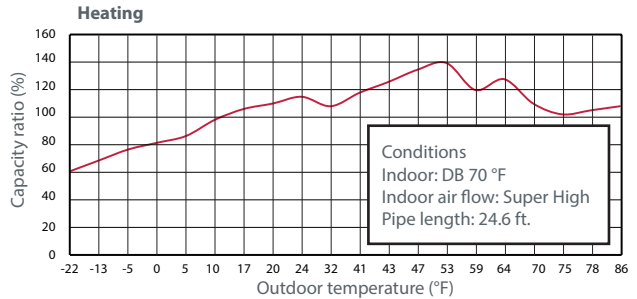
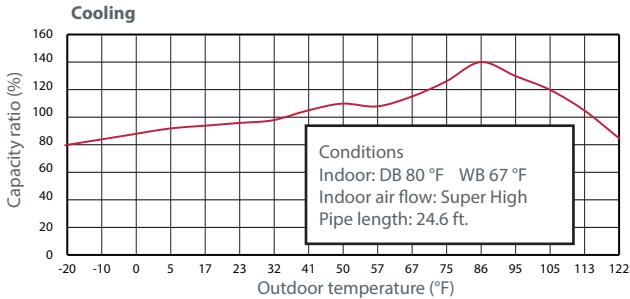
PUD09



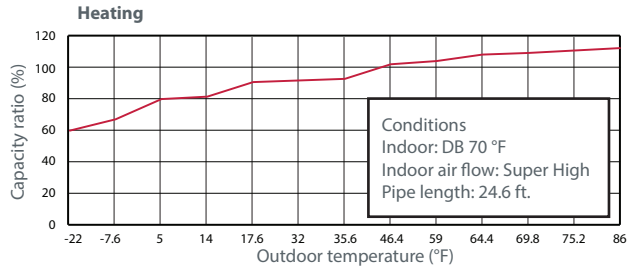
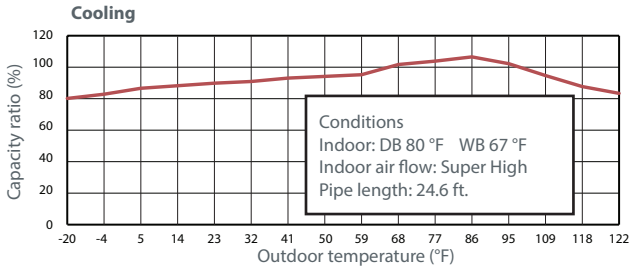
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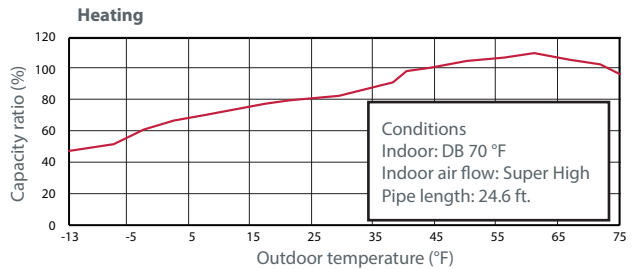
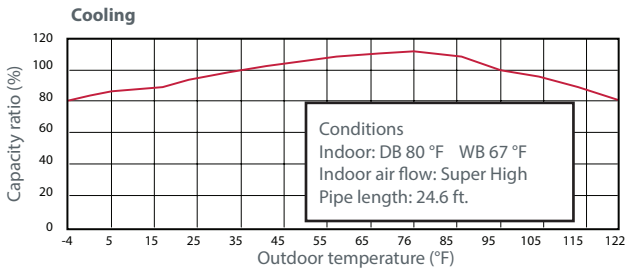
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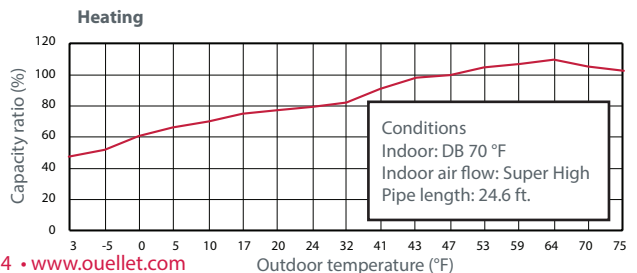
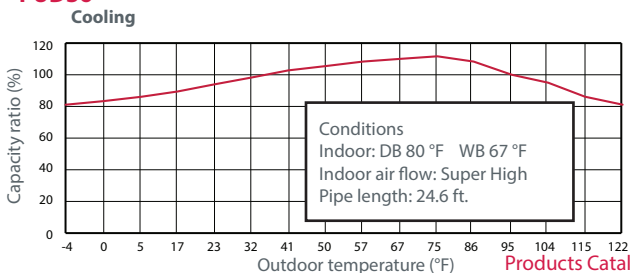
PUD24



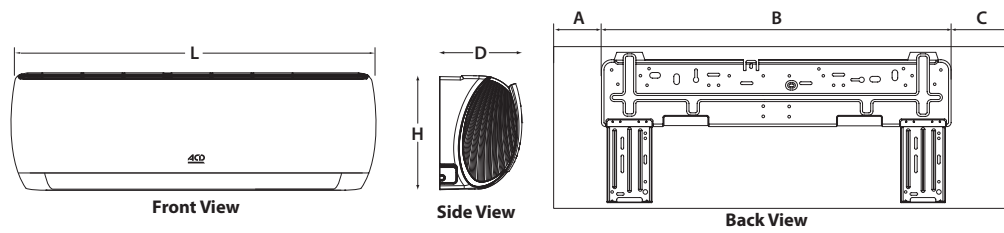
PUD30



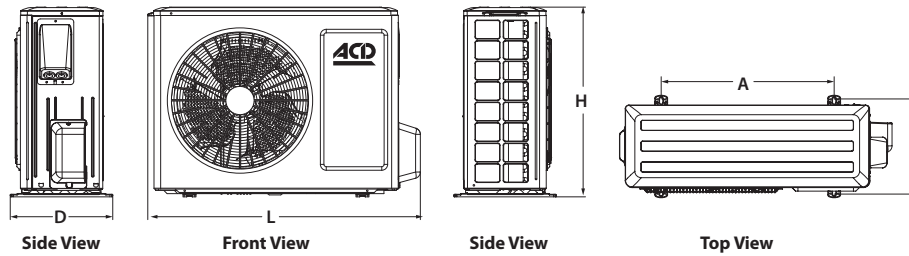
PUD36



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 1/2	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
PUD30KCH20S-I PUD36KCH20S-I	53 5/32	1350	12 13/16	326	9 15/16	253	13 3/4	350	29 3/8	746	10	254

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 PUD30KCH20S-O PUD36KCH20S-O	39 6/16	1000	29 6/16	746	16 13/16	427	24	610	15 9/16	395