

OTP-O-R32

Olympia-R32 Ductless Single Zone Heat Pump



Indoor Unit



Outdoor Unit

Performance up to



Cooling



Heating

Up to

30 SEER2
IN COOLING

11.2 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 (turbo, high, medium-high, medium, medium-low, low and quiet).
- Washable filters.
- A2L leak detection sensor, included.

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 capability.
- 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



A2L safety sensor



Wall Controller



Sleep Mode



Turbo Mode



Up & Down Swing



Left & Right Swing



Timer



I Feel



Lock



Wireless Remote



Wi-Fi

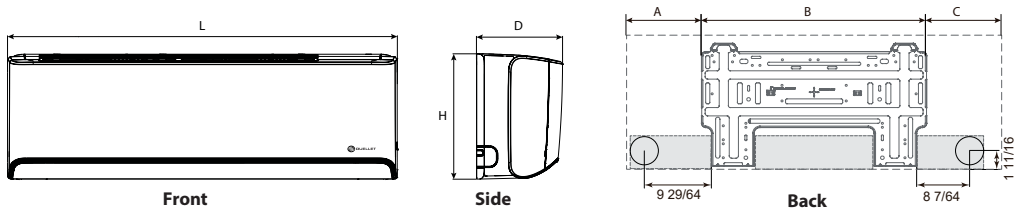
Optional

Models

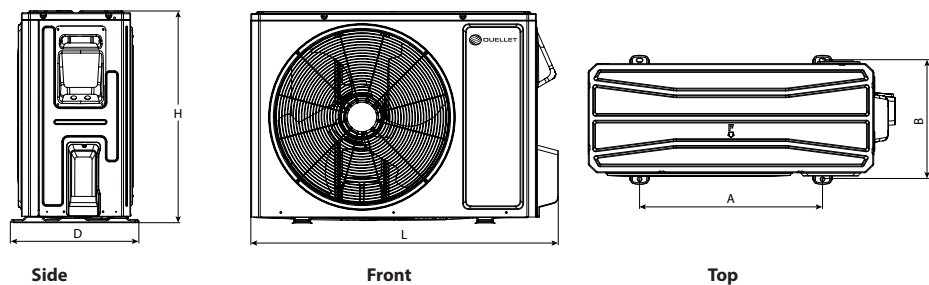
Product # ¹	Indoor Unit		OARX-H09A-I	OARX-H12A-I	OARX-H18A-I	OARX-H24A-I
	Outdoor Unit		OARX-H09A-O	OARX-H12A-O	OARX-H18A-O	OARX-H24A-O
Technical Performance						
Refrigerant type			R32	R32	R32	R32
Voltage		Volts	230/208	230/208	230/208	230/208
Cooling capacity	Nominal	W (BTU/hr)	2666 (9100)	3517 (12000)	5276 (18000)	6450 (22000)
	Min. – max.	W (BTU/hr)	400 - 3800 (1365 - 12966)	850 - 4500 (2900 - 15354)	1300 - 7500 (4435 - 25590)	1700 - 9200 (5800 - 31400)
Heating capacity	Nominal	W (BTU/hr)	3106 (10600)	3575 (12200)	5450 (18595)	7000 (24000)
	Min. – max.	W (BTU/hr)	800 - 5000 (2730 - 17060)	900 - 5000 (3071 - 17060)	1500 - 7700 (5118 - 26272)	1700 - 9700 (5800 - 33100)
Used cooling power input	Nominal	W	542	790	1256	1573
	Min. – max.	W	75 – 1250	75 - 1250	150 – 2800	265 – 3150
Used heating power input	Nominal	W	706	786	1362	1803
	Min. – max.	W	160 – 1650	250 – 1750	250 – 3500	320 – 4800
Used rated input		W	1650	1750	3500	4800
Rated current		A	7.6	7.8	16	21.5
MCA		A	11	11	21	25.5
Max. over-current protection (MOCP)		A	15	15	25	30
SEER2		-	30	28	27.5	27
HSPF2		-	11.2	10	10	10
EER2		W/W	15	15.52	13.65	13.31
COP		W/W	4.4	4.55	4	3.9
AHRI number		-	216472855	216472856	216498641	216498640
ENERGY STAR		-	✓	✓	✓	✓
Indoor Unit						
Dehumidification		pt/hr (l/hr)	1.69 (0.80)	2.96 (1.40)	3.80 (1.80)	7.30 (3.50)
Air flow volume		cfm	450 - 860	600 - 960	800 - 1250	600 - 1300
Sound level		dB (A)	23 - 42	27 - 43	35 - 49	36 - 53
Fan motor power output		W	50	50	60	110
Fan motor RLA		A	0.4	0.4	0.7	0.85
Net weight		lb (kg)	33 (15)	33 (15)	38.6 (17.5)	39.6 (18)
Outdoor Unit						
Air flow volume		cfm	3000	3000	3200	4500
Sound level		dB (A)	56	55	59	62
Compressor power input		W	757	757	1358	1775
Compressor LRA		A	20	20	25	38
Compressor RLA		A	7.2	7.2	14.3	18
Fan motor power output		W	40	40	60	90
Fan motor RLA		A	1	1	1.1	1.7
Refrigerant volume (R32)		oz (g)	35.27 (1000)	35.27 (1000)	47.62 (1350)	56.44 (1600)
Net weight		lb (kg)	99.2 (45)	99.2 (45)	141.1 (64)	147.7 (67)
Operating ambient temperature	Cooling	°C (°F)	-29 à 50 (-20 à 122)			
	Heating	°C (°F)	-30 à 30 (-22 à 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)	0.18 (16)	0.18 (16)	0.46 (40)	0.46 (40)
Liquid pipe outer diameter		in.	1/4	1/4	1/4	1/4
Gas pipe outer diameter		in.	1/2	1/2	5/8	5/8
Maximum height difference		ft. (m)	82 (25)	82 (25)	82 (25)	82 (25)
Maximum total length		ft. (m)	131 (40)	131 (40)	131 (40)	131 (40)

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

Indoor Unit



Outdoor Unit



Indoor Unit	L		H		D		A		B		C	
	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm
OARX-H09A-I	39 3/16	970	13 21/32	347	10 1/8	257	8 5/64	205	22 1/8	562	7	203
OARX-H12A-I												
OARX-H18A-I	43 45/64	1110	13 21/32	347	10 1/8	257	10 53/64	275	22 1/8	562	10 3/4	273
OARX-H24A-I												

Outdoor Unit	L		H		D		A		B	
	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm
OARX-H09A-O	34 3/8	873	21 27/32	555	14 7/8	378	20 25/32	528	13 1/2	343
OARX-H12A-O										
OARX-H18A-O	38 25/32	985	26	660	15 53/64	402	22 7/16	570	14 10/16	371
OARX-H24A-O	38 5/8	1000	29 3/8	746	16 13/16	427	24	610	15 9/16	395

Options

See OTP Options section