

OTP-H-R32

Harmony R32 Ductless Single Zone Heat Pump



Indoor Unit



Outdoor Unit

Performance up to



Cooling



Heating

Up to

20.5 SEER2
IN COOLING

9 HSPF2
IN HEATING



Features

Operation mode

- Cooling, heating, dehumidifying, fan and auto.

Nominal capacity

- 9000, 12000, 18000, 24000, 30000, 36000 BTU/hr.

Voltage

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

Indoor unit

- High wall installation, dual side connection.
- Plastic housing, standard white.
- 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 available in option.

Connection piping

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

Control

- Wireless remote included.
- Wired wall controller available in option.
- Wi-Fi included.
- 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



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



Timer



I Feel



Lock



Wireless Remote



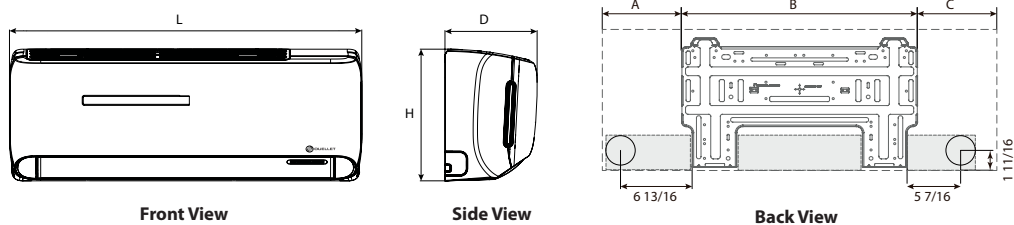
Wi-Fi

Optional

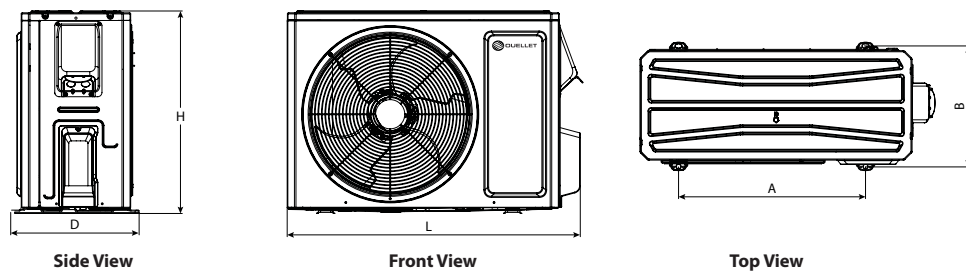
Product # ¹	Indoor Unit		OCHX-H09A-I	OCHX-H12A-I	OCHX-H18A-I	OCHX-H24A-I	OCHX-H30A-I	OCHX-H36A-I
	Outdoor Unit		OCHX-H09A-O	OCHX-H12A-O	OCHX-H18A-O	OCHX-H24A-O	OCHX-H30A-O	OCHX-H36A-O
Technical Performance								
Refrigerant type			R32	R32	R32	R32	R32	R32
Voltage		Volts	230/208	230/208	230/208	230/208	230/208	230/208
Cooling capacity	Nominal	W (BTU/hr)	2667 (9100)	3517 (12000)	5275 (18000)	6450 (22000)	7795 (30000)	9847 (33600)
	Min. – max.	W (BTU/hr)	700 - 3018 (2388 - 10300)	900 - 3700 (3070 - 13307)	1100 - 5950 (3753 - 20300)	1700 - 7700 (5800 - 26270)	2300 - 10550 (3000 - 36000)	2300 - 10990 (7850 - 37500)
Heating capacity	Nominal	W (BTU/hr)	2931 (10000)	3517 (12000)	5598 (19100)	7040 (24000)	7795 (30000)	9964 (34000)
	Min. – max.	W (BTU/hr)	655 - 3850 (2200 - 13136)	900 - 4278 (3070 - 14600)	800 - 6600 (2730 - 22519)	1582 - 7795 (5400 - 26600)	1700 - 10404 (5800 - 35500)	2930 - 10990 (10000 - 37500)
Used cooling power input	Nominal	W	729	1231	1500	2010	2750	3169
	Min. – max.	W	180 - 1050	180 - 1550	200 - 2300	500 - 2400	250 - 4000	700 - 4000
Used heating power input	Nominal	W	771	1004	1435	1950	2750	3267
	Min. – max.	W	180 - 1300	180 - 1650	260 - 2300	400 - 2600	330 - 4000	650 - 4000
Used rated input		W	1300	1650	2300	2600	4000	4000
Rated current		A	7	7.47	9.5	12	20	20
MCA		A	10	12	13	15	27	24
Max. over-current protection (MOCP)		A	15	15	15	20	30	35
SEER2		-	20.5	19	20	19	22	21
HSPF2		-	8.8	8.5	8.5	8.5	9	8.5
EER2		W/W	12.5	9.75	12.35	11.9	10.9	10.6
COP		W/W	3.8	3.5	3.9	3.6	3.2	3.05
AHRI number		-	216472860	216472861	216472862	216472863	216472864	216472865
ENERGY STAR		-	-	-	-	-	-	-
Indoor Unit								
Dehumidification		pt/hr (l/hr)	1.69 (0.8)	2.96 (1.4)	3.8 (1.8)	5.28 (2.5)	7 (3.5)	7 (3.5)
Air flow volume		cfm	270 - 600	310 - 720	480 - 1050	700 - 1150	750 - 1350	750 - 1350
Sound level		dB (A)	24 - 41	27 - 47	34 - 53	36 - 51	36 - 52	36 - 52
Fan motor power output		W	20	55	50	50	110	60
Fan motor RLA		A	0.4	0.7	0.7	0.6	0.8	0.7
Net weight		lb (kg)	19.8 (9)	19.8 (9)	28.7 (13)	33 (15)	34 (15.5)	34 (15.5)
Outdoor Unit								
Air flow volume		m³/hr	1950	1950	2520	3200	4500	4500
Sound level		dB (A)	51	52	57	58	62	62
Compressor power input		W	630	857	953	1330	1775	2294
Compressor LRA		A	20	20	20	35	38	40
Compressor RLA		A	6.5	8	8.5	10	18.5	16
Fan motor power output		W	30	30	30	50	90	90
Fan motor RLA		A	0.65	0.8	0.8	1	1.7	1.7
Refrigerant volume (R32)		oz (g)	18.7 (530)	17.6 (500)	32.44 (920)	42.33 (1200)	56.44 (1600)	56.44 (1600)
Net weight		lb (kg)	52.8 (24)	56.22 (25.5)	70.7 (32)	93.5 (42.5)	116.6 (53)	122.1 (55.5)
Operating ambient temperature	Cooling	°C (°F)	-18 to 46 (0 to 115)					
	Heating	°C (°F)	-25 to 24 (-13 to 75)					
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 (16)	0.2 (16)	0.2 (16)	0.13 (12)	0.43 (40)	0.43 (40)
Liquid pipe outer diameter		in.	1/4	1/4	1/4	1/4	1/4	1/4
Gas pipe outer diameter		in.	3/8	3/8	1/2	1/2	5/8	5/8
Maximum height difference		ft. (m)	39 (12)	39 (12)	82 (25)	82 (25)	82 (25)	82 (25)
Maximum total length		ft. (m)	66 (20)	66 (20)	82 (25)	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
OCHX-H09A-I	32 7/8	835	10 7/8	275	7 7/8	200	7	178	18 13/64	462	7 11/16	195
OCHX-H12A-I	37 1/8	943	13 1/8	333	9 11/16	246	7 17/32	192	22 1/8	562	7 1/2	190
OCHX-H18A-I	42 7/16	1078	13 1/8	333	9 11/16	246	6 7/32	158	22 1/8	562	10 5/32	258
OCHX-H24A-I												
OCHX-H30A-I												
OCHX-H36A-I												

Outdoor Unit	L		H		D		A		B	
	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm
OCHX-H09A-O	28 13/16	732	21 54/64	555	13	330	17 29/32	455	12 13/64	310
OCHX-H12A-O	31 37/64	802	21 54/64	555	13 50/64	350	20 5/32	512	13 5/64	332
OCHX-H18A-O	37 3/4	958	26	660	15 53/64	402	22 7/16	570	14 41/64	372
OCHX-H24A-O	39 3/8	1000	29 3/8	746	16 13/16	427	24 1/61	610	15 35/64	395
OCHX-H30A-O										
OCHX-H36A-O										

Options

See OTP Options section