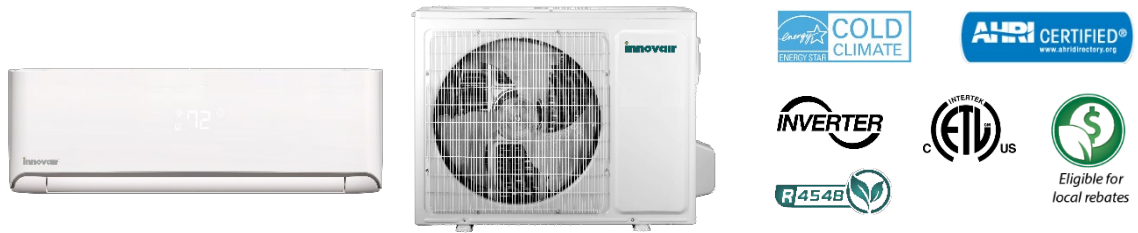


Series

Q4

Ductless Single Zone Heat Pump



Performance up to



Cooling



Heating

25 SEER2
in cooling

Up to

11 HSPF2
in heating

Features

Operation mode Nominal capacity Voltage Indoor unit

- Cooling, heating, dehumidifying, fan and auto.
- 9000, 12000, 18000, 24000 BTU/hr.
- 230/208V, 60 Hz, 1-phase.
- High wall installation, dual side connection.
- Plastic housing, standard white.
- Crossflow fan with 4 selectable speed and 2 operation modes (auto and silence).
- Evaporator fins covered with hydrophilic coating for improved corrosion resistance.
- Washable filters.

Outdoor unit

- Variable speed rotary compressor (INVERTER), with PCB control protection.
- Electronic expansion valve for precise control of refrigerant flow.
- Condenser fins covered with a hydrophilic coating for improved corrosion resistance.
- Quiet axial-flow fan.
- Multi-hole pan with smart 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 with wall bracket.
- 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 condenser replacement if the compressor fails.

Application

- Dining room-kitchen, living room, family room, commercial building, office building, condo, restaurant.

Features and functions

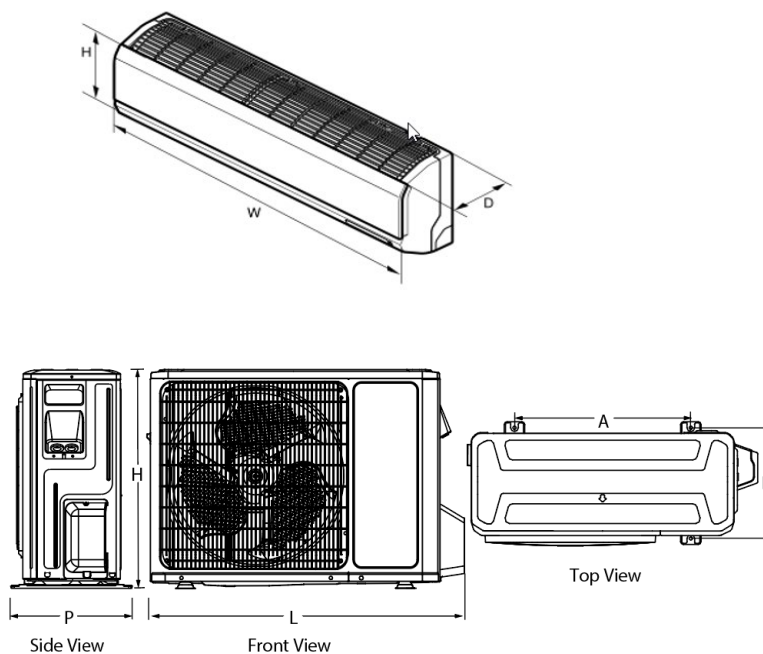
	Smart Pan Heater Prevents ice formation in the base pan of the outdoor unit.		Self-Diagnosis A microcomputer monitors the system and turns the unit off if abnormal operation is encountered. An error code will be displayed on the indoor unit to facilitate maintenance.
	Compressor Blanket and Preheating Technology Keep the oil inside the compressor warm, thereby preventing the refrigerant fluid from mixing with the compressor oil.		Turbo Mode The unit operates at super high speed to achieve quick cooling or heating.
	Anti-Corrosion Fin Coating Condenser and evaporator fins are covered with a hydrophilic coating for greater corrosion resistance – a clear advantage for people living in coastal regions.		Up & Down Swing Can be used to select oscillating angles for the vertical louvres. Choose a fixed position or use the auto swing mode to swing the louvres up and down in all positions.
	Refrigerant Leakage Detection The indoor unit will display “EC” when the outdoor unit detects refrigerant leakage.		Timer Allows you to program the time you want the unit to start and stop over a 24-hour period.
	Smart Defrosting Provides greater comfort and energy savings by eliminating unnecessary defrost cycles.		Sleep Mode This function can be used to gradually increase or decrease room temperature, so you can save energy without affecting your sleep.
	Smart Preheating The system delays turning on the fan in heating mode to avoid blowing cold air out at startup.		Silence Function The unit will operate at low frequency and the fan at the lowest speed to reduce noise level.
	Auto Restart In case of power failure, user selection and system parameters are stored in non-volatile memory. The system will automatically return to the last operating mode when power resumes.		Follow Me With this function, the room temperature is read from the remote control, not from the indoor unit. This guarantees optimal comfort because the remote control is usually closer to you.
	Freeze Protection For extended absences, the temperature setpoint can be lowered to 8 °C (46 °F) in heating mode to prevent freezing.		Wi-Fi Device that connects the heat pump system to the home's Internet network for remote control.
	Auto-Clean Keeps the indoor unit dry to prevent mold growth.		A2L A2L safety sensor.

Models

Product # ¹	Indoor Unit		QHW09H2UZRA	QHW12H2UZRA	QHW18H2UZRA	QHW24H2UZRA
	Outdoor Unit		QOS09H2BM0A	QOS12H2BM0A	QOS18H2BM0A	QOS24H2BM0A
Qty						
Technical Performance						
Voltage		Volts	230/208	230/208	230/208	230/208
Refrigerant type		-	R454B	R454B	R454B	R454B
Cooling capacity	Nominal	W (BTU/hr)	2638 (9000)	3517 (12000)	5275 (18000)	7034 (24000)
	Min. – max.	W (BTU/hr)	1055 - 2931 (3600 - 10000)	1172 - 3810 (4000 - 13000)	1905 - 5568 (6500 - 19000)	2345 - 7327 (8000 - 25000)
Heating capacity	Nominal	W (BTU/hr)	2638 (9000)	3517 (12000)	5275 (18000)	7034 (24000)
	Min. – max.	W (BTU/hr)	1055 - 2931 (3600 - 10000)	1172 - 3810 (4000 - 13000)	1905 - 5568 (6500 - 19000)	2345 - 7327 (8000 - 25000)
Used cooling power input	Nominal	W	659	980	1390	1959
Used heating power input	Nominal	W	659	902	1426	1954
Cooling rated current		A	2.5	4.3	6.1	8.7
Heating rated current		A	3.1	4.1	6.5	9.3
MCA		A	9.5	10.5	20	22
Max. over-current protection (MOCP)		A	15	15	30	35
SEER2		-	25	23	21	22.5
HSPF2 IV		-	11	10	10	9.5
EER2		BTU/W	13.65	12.25	12.95	12.25
COP		W/W	4.00	3.90	3.70	3.60
AHRI number		-	216445277	216445278	216445279	216445280
ENERGY STAR		-	✓	✓	✓	✓
Indoor Unit						
Dehumidification		pt/hr (l/hr)	1.90 (0.9)	2.54 (1.2)	3.17 (1.5)	4.65 (2.2)
Air flow volume	UH / H / M / L	cfm	383 / 341 / 294 / 247	394 / 365 / 312 / 253	647 / 589 / 483 / 383	706 / 647 / 559 / 441
Sound level	UH / H / M / L / S ²	dB (A)	42 / 39 / 37 / 35 / 32	42 / 39 / 37 / 35 / 32	48 / 45 / 41 / 39 / 36	50 / 48 / 43 / 41 / 39
Fan motor power output		W	25	25	35	35
Fan motor RLA		A	0.11	0.11	0.17	0.17
Net weight		lb (kg)	18.7 (8.2)	18.7 (8.2)	30.87 (14)	30.87 (14)
Outdoor Unit						
Sound level		dB (A)	53	53	58	61
Compressor power input		W	659	979	1425	1959
Fan motor power output		W	36	36	60	102
Fan motor RLA		A	0.17	0.17	0.27	0.45
Refrigerant volume (R454B)		oz (g)	35.27 (1000)	38.1 (1080)	52.91 (1500)	70.55 (2000)
Net weight		lb (kg)	70.55 (32)	70.55 (32)	97.0 (44)	112.44 (51)
Operating ambient temperature	Cooling	°C (°F)	-15 to 48 (5 to 118)			
	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)
Liquid pipe outer diameter		in.	1/4	1/4	1/4	3/8
Gas pipe outer diameter		in.	3/8	3/8	1/2	5/8
Maximum height difference		ft. (m)	49.21 (15)	49.21 (15)	49.21 (15)	49.21 (15)
Maximum total length		ft. (m)	65.62 (20)	65.62 (20)	98.43 (30)	98.43 (30)

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

² Crossflow Fan Speeds: (UH) Ultra High (100%) / (H) High (80%) / (M) Medium (60%) / (L) Low (40%) / (S) Silence.



Indoor Unit	L		H		D	
	in.	mm	in.	mm	in.	mm
QHW09H2UZRA	33 1/2	838	10 5/8	270	8 3/16	208
QHW12H2UZRA						
QHW18H2UZRA	44 1/2	1117	12 7/16	315	9 1/8	232
QHW24H2UZRA						

Outdoor Unit	L		H		P		A		B	
	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm
QOS09H2BM0A	34 7/8	886	23	585	13 5/16	338	20 1/8	511	12 3/16	310
QOS12H2BM0A										
QOS18H2BM0A	36 13/16	935	25 5/8	650	14 1/2	368	21 6/16	542	13 7/16	341
QOS24H2BM0A	38 6/16	974	29 1/2	750	15 11/16	398	23 15/16	608	14 1/2	368

Specifications may change without prior notice

Project:	Approval Information
Consultant Engineer:	
Electrician Contractor:	
Distributor:	
Date:	
Contact at manufacturer:	
Comments:	