



Charmo 19

Ductless Single Zone Heat Pump



Performance in
heating down to
-25°C



Eligible for
local rebates*



FEATURES

- 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.
- 7-speed cross-flow fan (auto, turbo, high, medium-high, medium, low and very low).
- Washable filters.
- 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.
- Minimum piping length of 10 ft. (3 m).
- Flared connections.
- Wireless remote included.
- Wired wall controller available.
- Wi-Fi.
- Set temperature: 16 to 30 °C (61 to 86 °F).
- Temperature display format: °C or °F.

*Please check your local and federal rebate programs.

**10-year standard warranty, plus bonus 2-year extended warranty upon product registration and/or proof of installation.

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- Ultra Heat Technology
- Two-Stage Variable Speed
- Compressor Quiet Operation
- Low Voltage Startup

- Multiple fan speed
- Adjustable LED display
- Precise Airflow Control
- Eco-Friendly R410a Refrigerant



INDOOR UNIT



OUTDOOR UNIT

Product # ¹		Indoor Unit	GWH09ATCXB-D3DNA4A/I GWH09ATCXB-D3DNA1A/O	GWH12ATCXB-D3DNA4C/I GWH12ATCXB-D3DNA1C/O	GWH18ATDXD-D3DNA4A/I GWH18ATDXD-D3DNA1A/O	GWH24ATEXF-D3DNA4E/I GWH24QEXF-D3DNC4C/O	
		Outdoor Unit					
Technical Performance							
Voltage			Volts	230/208	230/208	230/208	
Cooling capacity		Nominal	W (BTU/hr)	2667 (9100)	3517 (12000)	5159 (17600)	6450 (22000)
		Min. – max.	W (BTU/hr)	820 - 3018 (2800 - 10300)	700 - 3700 (2388 - 13307)	1100 - 5850 (3753 - 19960)	2000 - 7400 (6824 - 25249)
Heating capacity		Nominal	W (BTU/hr)	2931 (10000)	3517 (12000)	5598 (19100)	7040 (24000)
		Min. – max.	W (BTU/hr)	655 - 3575 (2200 - 12200)	700 - 4400 (2388 - 15013)	800 - 6600 (2730 - 22519)	1750 - 8000 (5971 - 27296)
Used cooling power input		Nominal	W	805	1334	1750	1896
		Min. – max.	W	180 - 1350	180 - 1500	200 - 2300	340 - 2350
Used heating power input		Nominal	W	781	1004	1750	2051
		Min. – max.	W	150 -1450	260 - 1650	260 - 2300	370 - 2400
Used rated input			W	1450	1650	2300	2400
Rated current			A	6.5	6.7	9.5	12
MCA			A	9	11	14	15
Max. over-current protection (MOCP)			A	15	15	20	20
SEER2 (SEER)			-	19.5 (19.5)	17.5 (17.5)	17.5 (17.5)	18 (18)
HSPF2 (HSPF)			-	8.8 (10)	8.5 (10)	8.5 (9)	8.5 (10)
EER			W/W	3.30	2.64	2.95	3.40
COP			W/W	3.75	3.50	3.20	3.43
AHRI number			-	209271943	209276088	209424849	209248932
ENERGY STAR			-	-	-	-	-
Indoor Unit							
Dehumidification			pt/hr (l/hr)	1.69 (0.80)	2.96 (1.40)	3.8 (1.80)	5.28 (2.50)
Air flow volume			cfm	353 / 282.5 / 264.8 / 229.5 / 211.86 / 194.2 / 158.8	424 / 353 / 324 / 277 / 247 / 224 / 182	618 / 512 / 471 / 436 / 395 / 336 / 283	677 / 588 / 559 / 500 / 471 / 441 / 412
Sound level			dB (A)	51 / 47 / 44 / 42 / 41 / 38 / 36	57 / 49 / 48 / 45 / 43 / 42 / 37	60 / 56 / 54 / 52 / 50 / 46 / 42	61 / 57 / 55 / 52 / 50 / 48 / 46
Fan motor power output			W	20	15	45	60
Fan motor RLA			A	0.30	0.40	0.70	0.45
Deflector stepper motor power output			W	1.5	1.5	2.5	2.5
Net weight			lb (kg)	19.8 (9)	19.8 (9)	28.7 (13)	33 (18)
Outdoor Unit							
Air flow volume			m³/hr	1950	1950	2520	3200
Sound level			dB (A)	51	52	57	57
Compressor power input			W	756	857	1295	1330
Compressor LRA			A	-	-	25	35
Compressor RLA			A	5.20	7.30	9.35	10.45
Fan motor power output			W	30	30	30	60
Fan motor RLA			A	0.4	0.6	0.9	0.6
Refrigerant volume (R410A)			oz (g)	24.7 (700)	27.5 (750)	44.1 (1150)	52.9 (1500)
Net weight			lb (kg)	56.22 (25.5)	57.33 (26)	71.70 (32.5)	97 (44)
Operating ambient temperature	Cooling		°C (°F)	-18 to 46 (0 to 115)			
	Heating		°C (°F)	-25 to 24 (-4 to 75)			
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)	0.2 (20)	0.5 (50)
Liquid pipe outer diameter			in.	1/4	1/4	1/4	1/4
Gas pipe outer diameter			in.	3/8	3/8	1/2	5/8
Maximum height difference			ft. (m)	40 (12.19)	40 (12.19)	82 (25)	82 (25)
Maximum total length			ft. (m)	66 (20)	66 (20)	131 (40)	131 (40)

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

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