



# LOMO-23

Ductless Single Zone Heat Pump



Indoor Unit



Outdoor Unit

Performance up to



Heating

Up to



## 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.
- 4-speed cross-flow fan (turbo, high, medium and 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 epoxy/polyester powder coated adjustable steel wall bracket (optional).

### Connection piping

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

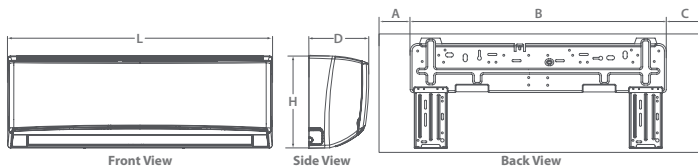
### Control

- Wireless remote included.
- Wired wall controller available.
- Wi-Fi capability (option KIT-WIFI required).
- Set temperature: 16 to 30 °C (61 to 86 °F).
- Temperature display format: °C or °F.

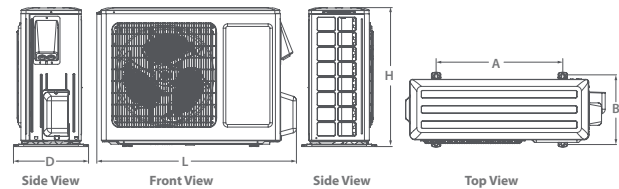
### Application

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

Indoor Unit



Outdoor Unit



Indoor Unit	L		H		P		A		B		C	
	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm
GWH09QC-D3DNB6D/I GWH12QC-D3DNB6D/I	33 1/4	845	11 3/8	289	8 1/4	209	4 11/16	119	21 5/16	542	7 1/4	184
GWH18QD-D3DNB6G/I	38 3/16	970	11 13/16	300	8 13/16	224	4	102	27	686	7 3/16	183
GWH24QE-D3DNB6D/I	42 7/16	1078	12 13/16	325	9 11/16	246	8 1/8	206	27	686	7 5/16	186
GWH30QF-D3DNB2K/I GWH36QF-D3DNB2O/I	53 1/8	1350	12 13/16	326	10	254	13 3/4	350	29 3/8	746	10	254

Outdoor Unit	L		H		P		A		B	
	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm
GWH09QC-D3DNA1D/O	33 3/8	848	21 1/4	540	12 5/8	320	21 1/4	540	11 1/4	286
GWH12QC-D3DNA1D/O	33 3/8	848	23 5/16	592	12 5/8	320	21 1/4	540	11 1/4	286
GWH18QD-D3DNA1G/O	37 5/8	955	27 9/16	700	15 9/16	396	22	559	14 5/16	364
GWH24QE-D3DNA1D/O	38 9/16	980	31 1/8	790	16 13/16	427	24	610	15 9/16	395
GWH30QF-D3DNB2K/O GWH36QF-D3DNB2O/O	39 1/2	1003	31 1/8	790	14 9/16	370	24	610	15 9/16	395

Includes

Optional



Models

Product # <sup>1</sup>	Outdoor Unit	Indoor Unit	GWH09QC-D3DNA1D/O GWH09QC-D3DNB6D/I	GWH12QC-D3DNA1D/O GWH12QC-D3DNB6D/I	GWH18QD-D3DNA1G/O GWH18QD-D3DNB6G/I	GWH24QE-D3DNA1D/O GWH24QE-D3DNB6D/I	GWH30QF-D3DNB2K/O GWH30QF-D3DNB2K/I	GWH36QF-D3DNB2O/O GWH36QF-D3DNB2O/I
<b>Technical Performance</b>								
<b>Voltage</b>		<b>Volts</b>	230/208	230/208	230/208	230/208	230/208	230/208
<b>Cooling capacity</b>	Nominal	<b>W (BTU/hr)</b>	2638 (9000)	3517 (12000)	5275 (18000)	6448 (22000)	8206 (28000)	9847 (33600)
	Min. – max.	<b>W (BTU/hr)</b>	909 - 2813 (3100 - 9600)	909 - 3810 (3100 - 13000)	1993 - 5861 (6800 - 20000)	2000 - 8000 (6824 - 27296)	2781-8800 (9490-30030)	2169-10550 (7400-36000)
<b>Heating capacity</b>	Nominal	<b>W (BTU/hr)</b>	3224 (11000)	3810 (13000)	5803 (19800)	6741 (23000)	8323 (28400)	10140 (34600)
	Min. – max.	<b>W (BTU/hr)</b>	560 - 3517 (1911 - 12000)	703 - 4103 (2400 - 14000)	2151 - 6887 (7340 - 23500)	2000 - 9000 (6824 - 30708)	2931-9668 (10000-32990)	4390-10550 (14980-36000)
<b>Used cooling power input</b>	Nominal	<b>W</b>	630	960	1435	1830	2750	4100
	Min. – max.	<b>W</b>	160 - 1300	200 - 1350	450 - 2150	450 - 3000		
<b>Used heating power input</b>	Nominal	<b>W</b>	1020	1100	1730	2000	2800	3800
	Min. – max.	<b>W</b>	160-1350	400 - 1400	580 - 2600	450 - 3000		
<b>Used rated input</b>		<b>W</b>	1350	1400	2600	3000	4000	4300
<b>Rated current</b>		<b>A</b>	6.0	6.3	12.5	14.5	17.5	20
<b>MCA</b>		<b>A</b>	9	9	16	20	20	24
<b>Max. over-current protection (MOCP)</b>		<b>A</b>	15	15	25	30	30	40
<b>SEER</b>		-	23	22	20	20	18	18
<b>HSPF</b>		-	10.5	10.10	10	10	9	9
<b>EER</b>		<b>(BTU/hr/W)</b>	14	12.5	12.5	12.5	10.35	8.2
<b>COP</b>		<b>W/W</b>	3.16	3.46	3.35	3.37	3	2.7
<b>ENERGY STAR</b>		-	✓	✓	✓	✓	-	-
<b>Indoor Unit</b>								
<b>Dehumidification</b>		<b>pt/hr (l/hr)</b>	1.69 (0.80)	2.96 (1.4)	3.8 (1.80)	4.23 (2.00)	6.34	7.4
<b>Air flow volume</b>	T/H/M/L <sup>2</sup>	<b>cfm</b>	377 / 288 / 241 / 170	400 / 288 / 241 / 171	559 / 488 / 412 / 335	706 / 647 / 589 / 530	706 / 618 / 530 / 412	1400 / 1250 / 1000 / 800
		<b>dB (A)</b>	43 / 39 / 35 / 29	45 / 39 / 35 / 29	47 / 43 / 40 / 39	48 / 44 / 40 / 36	51/45/41/37	54/49/44/37
<b>Fan motor power output</b>		<b>W</b>	20	20	60	60	70	70
<b>Fan motor RLA</b>		<b>A</b>	0.09	0.09	0.24	0.38	0.4	0.4
<b>Deflector stepper motor power output</b>		<b>W</b>	1.5	1.5	2.5	2.5	2	1.5
<b>Net weight</b>		<b>lb (kg)</b>	22 (10)	22 (10)	28 (12.5)	34 (15.5)	42 (19)	42 (19)
<b>Outdoor Unit</b>								
<b>Air flow volume</b>		<b>cfm</b>	1059	2000	3200	2354	2354	2589
<b>Sound level</b>		<b>dB (A)</b>	53	54	55	59	62	65
<b>Compressor power input</b>		<b>W</b>	845	845	1440	2550	2450	3010
<b>Compressor LRA</b>		<b>A</b>	-	-	25	25	40	67
<b>Compressor RLA</b>		<b>A</b>	4	4	12.08	11.5	13.5	13.5
<b>Fan motor power output</b>		<b>W</b>	30	30	60	92	120	170
<b>Fan motor RLA</b>		<b>A</b>	-	0.36	0.49	0.65	0.45	0.89
<b>Refrigerant volume (R410A)</b>		<b>oz (g)</b>	45.9 (1301)	47.6 (1349)	56.44 (1600)	77.6 (2200)	84.6 (2400)	91.7 (2600)
<b>Net weight</b>		<b>lb (kg)</b>	78 (35.5)	86 (39)	106 (48)	142 (65.5)	154 (70)	161 (73)
<b>Operating ambient temperature</b>	Cooling	<b>°C (°F)</b>	-18 to 46 (0 to 115)					
	Heating	<b>°C (°F)</b>						
<b>Connection Piping/Refrigerant</b>								
<b>Pre-charge length</b>		<b>ft. (m)</b>	25 (7.5)	25 (7.5)	25 (7.5)	25 (7.5)	25 (7.5)	25 (7.5)
<b>Additional refrigerant charge</b>		<b>oz/ft. (g/m)</b>	0.2 (20)	0.2 (20)	0.2 (20)	0.5 (50)	0.5 (46.5)	0.2 (18.6)
<b>Liquid pipe outer diameter</b>		<b>in.</b>	1/4	1/4	1/4	1/4	1/4	1/4
<b>Gas pipe outer diameter</b>		<b>in.</b>	3/8	1/2	5/8	5/8	5/8	5/8
<b>Maximum height difference</b>		<b>ft. (m)</b>	33 (10)	33 (10)	33 (10)	33 (10)	33 (10)	33 (10)
<b>Maximum total length</b>		<b>ft. (m)</b>	49 (15)	66 (20)	82 (25)	82 (25)	98 (30)	98 (30)

<sup>1</sup> 1 indoor unit and 1 outdoor unit. Note that each unit is individually packaged.  
<sup>2</sup> Cross-Flow Fan Speeds: (T) Turbo / (H) High / (M) Medium / (L) Low.



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Specifications are subject to change without notice