

SINGLE-ZONE LOMO 17 HEAT PUMPS 17 SEER INVERTER 9,000 BTU TO 24,000 BTU





THERMOSTAT (Optional) XE71



- LED Display
- > Low Ambient Heating down to -20C/-4F

Low Ambient Cooling down to -18C/0F

MODEL	UNITS	TW09HQ1B2D	TW12HQ1B2D	TW18HQ1B2D	TW24HQ1B2D	
Power Supply		208-230V, 60Hz, 1Ph	208-230V, 60Hz, 1Ph	208-230V, 60Hz, 1Ph	208-230V, 60Hz, 1Ph	
Rated Current Cooling	А	4,3	5,6	9	8,5	
Rated Current Heating	А	3,8	5,1	7,8	8,5	
SYSTEM PERFORMANCE						
Dehumidification	pt/h	1,6	2,9	3,8	4,23	
Cooling Capacity	BTU/h	2,457 (9,100-9,600)	3,494 (12,000-12,624)	4,094 (17,400-20,000)	5,900 (22,000-25,200)	
Heating Capacity	BTU/h	2,457 (9,500-11,500)	2,388 (13,000-13,648)	4,100 (18,000-21,000)	4,500 (24,000-25,900)	
SEER		17	17	16	19	
HSPF/COP		9	9	9	10	
INDOOR UNIT						
Airflow (L/H)	PCM / CFM	182/294	182/371	335/471	412/677	
Sound Pressure Level (L/H)	dB(A)	26/39	28/42	35/47	37/49	
Unit Dim. (WxHxD)	in.	31.1 x 10.8 x 7.9	33.3 x 11.4 x 8.2	38.2 x 11.8 x 8.8	42.5 x 12.8 x 9.7	
Net/Gross Weight	lb	19.8/24.3	22/26.5	29.8/36.4	37.5/45.2	
OUTDOOR UNIT						
Compressor Type		Rotary	Rotary	Rotary	Twin Rotary	
Sound Pressure Level	dB(A)	50	50	56	59	
Unit Dim. (WxHxD)	in.	30.8 × 21.3 × 12.6	30.8 × 21.3 × 12.6	35.9 x 25.4 x 14.7	35.9 x 25.4 x 14.7	
Net/Gross Weight	lb	58.4/63.9	62.8/68.4	87.1/93.7	97/103.6	
Refrigerant/Charge	OZ.	R410A/24	R410A/28.2	R410A/42.3	R410A/52.9	
Line Set Size (Liquid - Gas)	in.	1/4" – 3/8"	1/4" - 3/8"	1/4" - 1/2"	1/4" - 5/8"	
Max. Pipe Length	ft.	50	66	82	82	
Max. Elevation	ft.	33	33	33	33	
MCA	А	10	9	15	19	
MOCP	А	15	15	20	30	

SINGLE-ZONE LOMO16 HEAT PUMPS **16 SEER INVERTER**

LED display

> Heating down to -20° C / -4° F

> Optional wall thermostat

Low ambient cooling at -15° C / 5° F

9,000 BTU TO 24,000 BTU

YOUR TRUSTED COMPANION







THERMOSTAT (Optional) XE71

- > LED display
- > Heating down to -20° C / -5° F
- > Low ambient cooling at -15° C / 5° F
- > Optional wall thermostat
- > Built-In Drain Pan Heater

						LOMO 16 115V	
MODEL		TW09HQ1C8D	TW12HQ1C8D	TW18HQ1C8D	TW24HQ1C8D	TW09HQ1B8A	TW12HQ1B8A
Power Supply		208-230V, 60Hz, 1Ph	208-230V, 60Hz, 1Ph	208-230V, 60Hz, 1Ph	208-230V, 60Hz, 1Ph	115V, 60Hz, 1Ph	115V, 60Hz, 1Ph
Rated Current Cooling	А	5.8	6.0	11.5	12.0		
Rated Current Heating	А	6.0	6.7	11.5	12.2		
SYSTEM PERFORMANCE							
Dehumidification	l/h	0.8	1.4	1.8	2.5	0.8	1.4
Cooling Capacity	BTU/h	9,000 (3,099 - 9,599)	12,000 (3,753 - 12,500)	18,000 (7,165 - 20,000)	22,000 (8,630 - 23,200)	9,000 (2,764 - 10,918)	12,000 (3,753 - 12,500)
Heating Capacity	BTU/h	9,500 (3,100 - 12,000)	13,000 (3,924 - 14,000)	19,000 (7,336 - 23,498)	23,000 (8,650 - 26,000)	9,500 (2,081 - 12,283)	13,000 (3,412 - 15,013)
SEER		16 / 10.0	16 / 9.23	16 / 9.37	16 / 9.73	16 / 9.55	16 / 10.55
HSPF/COP		9.0 / 3.48	9.0 / 3.05	9.0 / 2.78	9.0 / 2.93	9.0 / 3.3	9.0 / 3.1
INDOOR UNIT		TW09HQ1C8D-I	TW12HQ1C8D-I	TW18HQ1C8D-I	TW24HQ1C8D-I	TW09HQ1B8A-I	TW12HQ1B8A-I
Airflow (L/H)	PCM / CFM	171 / 318	194 / 400	282 / 471	530 / 706	171 / 318	194 / 400
Sound Pressure Level (L/H)	dB(A)	28 / 43	29 / 45	35 / 46	36 / 48	43/38/34/28	45/39/35/29
Unit Dimensions (WxHxD)	in.	31.1 × 10.8 × 7.9	33.3 x 11.4 x 8.2	38.2 x 11.8 x 8.8	42.4 x 12.8 x 9.7	31.1 x 10.8 x 7.9	33.3 x 11.4 x 8.2
Net/Gross Weight	lb	20 / 24	23.1 / 29	29.8 / 36	37.5 / 45	20	23.1
OUTDOOR UNIT		TW09HQ1C8D-O	TW12HQ1C8D-O	TW18HQ1C8D-O	TW24HQ1C8D-O	TW09HQ1B8A-I	TW12HQ1B8A-I
Compressor Type		Swing	Swing	Rotary	Rotary	Swing	Swing
Sound Pressure Level	dB(A)	52	53	56	59	52	53
Unit Dimensions (WxHxD)	in.	30.6 x 21.3 x 12.6	30.6 x 21.3 x 12.6	37.6 x 27.6 x 15.6	37.6 × 27.6 × 15.6	30.6 x 21.3 x 12.6	30.6 x 21.3 x 12.6
Net/Gross Weight	lb	65 / 71	69 / 75	96 / 106	110 / 120	65	69
Refrigerant/Charge	OZ.	R410A / 24.7	R410A / 30.0	R410A / 49.4	R410A / 65.3	R410A / 24.7	R410A / 30.0
Line Set Size (Liquid - Gas)	in.	1/4" – 3/8"	1/4" – 3/8"	1/4" - 1/2"	1/4" - 5/8"	1/4» – 3/8»	1/4» – 3/8»
Maximum Pipe Length	ft.	49.2	49.2	82	82	49.2	66
Maximum Elevation	ft	49	49	49	49	49	49
MCA	А	9	9	16	16	17	20
MOCP	А	15	15	25	25	25	30
Wire Size/# Wires		14 AWG*4 Stranded, unshielded				114 AWG*4 Stranded, unshielded	





GLOSSARY

AIRFLOW

A measure of the amount of air per unit of time that passes through the device. It is measured in CFM (cubic feet per minute).

COP

Stands for Coefficient of Performance. It is the ratio between the cooling or heating provided and the electrical power consumption.

EER

Stands for Energy Efficiency Rating. It measures the ratio of output power to the input power.

REFRIGERANT

A refrigerant is the substance used to «move» the heat outside (or inside) of the room where the device is. We use the refrigerant R-410A as it is environmentally friendly and allows for the design of smaller and more efficient systems compared to R-22.

BTU/h

BTU is the British thermal unit. It is the amount of energy needed to cool or heat 1 pound of water by 1° F. The BTU/h is the unit of power used in HVAC. It corresponds to approximately 0.29 Watt.

DEHUMIDIFICATION

A measure of the amount of water per unit of time that the device is able to extract from the ambient air. It is measured in litres per hour.

HSPF

Stands for Heating Seasonal Performance Factor. It is the ratio between the seasonal heating output and the electricity used.

SEER

Stands for Seasonal Energy Efficiency Ratio. It is the ratio between the seasonal cooling output and the electricity used.

SOUND PRESSURE LEVEL

Sound Pressure is the force of a sound on a surface perpenD-Icular to its D-Irection. It is measured in Pa (Pascal). The lowest sound pressure that can be heard is 2x10 Pa. The Sound Pressure Level is a comparison of the measured sound to the lowest sound pressure hearable. The units are expressed in terms of dB (decibel) which is not linear, that is, if the pressure is D-Oubled, the Sound Pressure Level increases by 6dB. For example, the lowest hearable sound is 0dB while a quiet room is 40dB.