

Lomo 17 Heat Pump**TOSOT****MODEL: TW24HQ1B2D**

Project Name:

Location:

Engineer Name:

Purshaser:

Unit Designation:

Schedule No.

SubmittedTo:

Date:

**General Features**

- Low Ambient Cooling to 0 F / -18 C
- Multiple Fan Speeds
- Memory Function
- Fan Delay Function
- Intelligent Pre-heating / Defrost
- Control lock

- Smart 1 Hertz Inverter Technology
- Load Protection Features
- Over-Current Protection
- Drain Pan Heater
- LED display

Unit Performance:

Cooling:	-	-
Capacity (Min Rated Max, Btu/h)	5,900-22,000-25,200	
SEER	19	
EER	11.25	
Heating:	-	-
Capacity (Min Rated Max, Btu/h)	4,500-24,000-25,900	
HSPF	10	
COP (W/W)	3.4	

Compressor

Cooling Operation Ambient temp. Range	-18~46 C
Heating Operation Ambient temp. Range	-20~24 C
Compressor Type	Twin Rotary
Compressor RLA (A)	13
Crankcase Heater	Yes

Electrical Specification

Power Supply	208-230V / 60Hz
Communications Wire Size	AWG 14
MOP (A)	30
MCA (A)	19
Cooling Rated Amps (A)	11
Heating Rated Amps (A)	10
Indoor Fan Motor RLA (A)	0.55
Outdoor Fan Motor RLA(A)	0.65
Nominal Cooling Power Input (kW)	1.95
Nominal Heating Power Input (kW)	2.07

Unit Specification

Refrigerant Type	R410A
Refrigerant Charge (oz)	52.9
ODU Sound Pressure (dB(A))	59
IDU Sound Pressure (dB(A))	49/45/41/37
ODU Net Weight (lbs)	97
IDU Net Weight (lbs)	37.5
Dehumidifying (Pint/D)	4.23

Fan

ODU / IDU Type	Axial-flow/Cross-flow
Fan Motor Output (W)	60
Motor/Drive	Direct Drive
ODU Max Air Flow Rate (CFM)	1883
IDU Air Flow Rate (CFM)	412/677

Piping

Liquid Line (in, OD)	1/4
Gas Line (in, OD)	5/8
Additional Refrigerant (oz./ft.)	0.5
Max Pipe Length (ft.)	82
Piping Length (with factory charge, ft.)	24.6
Max Elevation (ft.)	32.8



AHRI certification Ref #

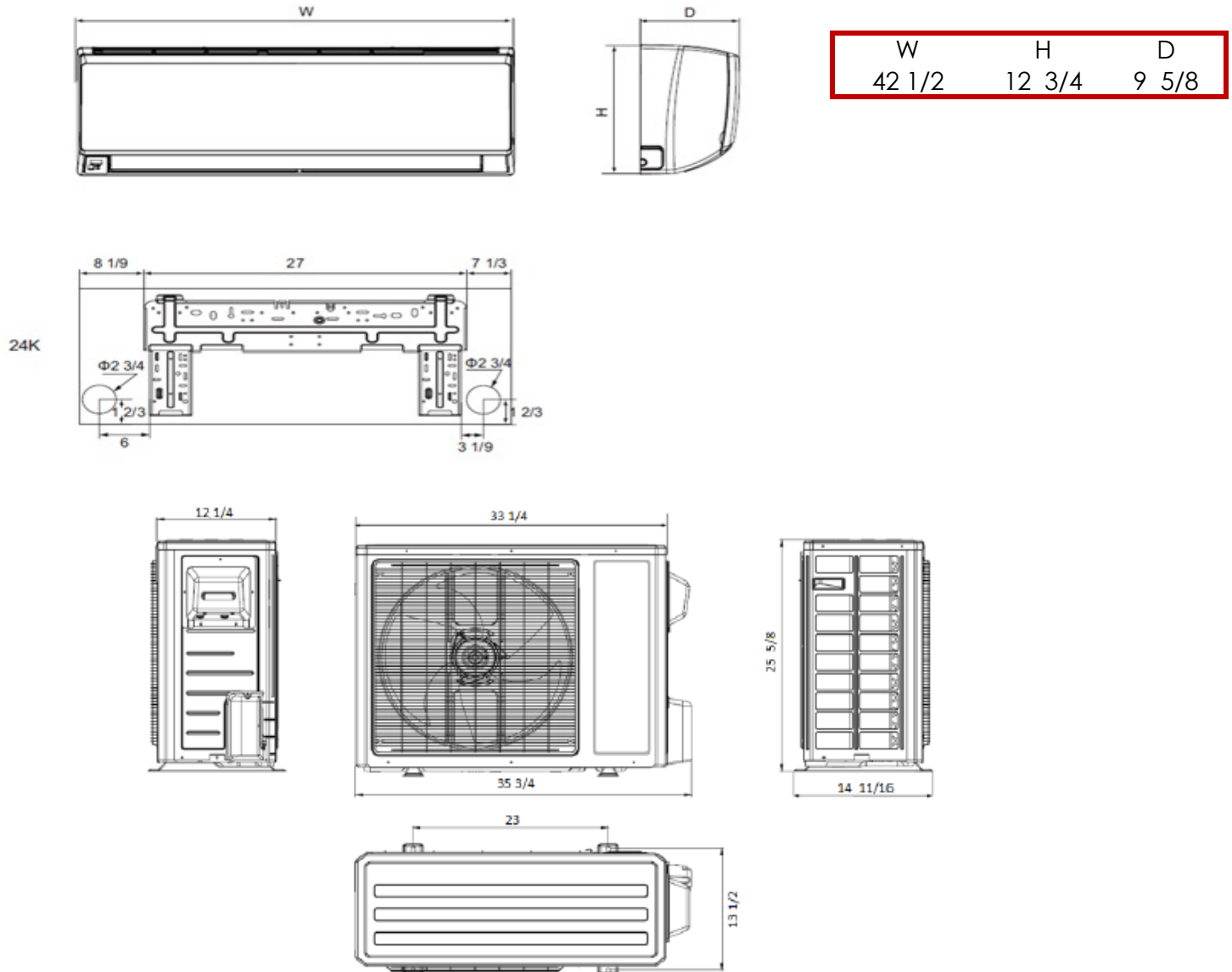
COOLING PERFORMANCE (BtuH)*									
Outdoor Ambient Temperature (DB)	Indoor Entering Air Temperatures								
	68°F DB			73°F DB			80°F DB		
	57°F WB			61°F WB			67°F WB		
	TC	SHC		TC	SHC		TC	SHC	
0°F	7480	5423		9240	6699		11000	7975	
5°F	8580	6263		10340	7548		12100	8833	
17°F	9680	7115		11440	8408		13200	9702	
23°F	10120	7489		11880	8791		13640	10094	
32°F	10560	7867		12320	9178		14080	10490	
41°F	11880	8910		13640	10230		15400	11550	
50°F	13200	9966		14960	11295		16720	12624	
57°F	14080	10701		15840	12038		17600	13376	
67°F	14740	11276		16500	12623		18260	13969	
75°F	18480	14230		20240	15585		22000	16940	
86°F	20460	15857		22220	17221		23980	18585	
95°F	18480	14414		20240	15787		22000	17160	
104°F	16280	12780		18040	14161		19800	15543	
113°F	14960	11818		16720	13209		18480	14599	
122°F	12760	10144		14520	11543		16280	12943	
HEATING PERFORMANCE (BtuH)*									
Outdoor Ambient Temperature (DB)	Indoor Entering Air Temperatures								
	68°F DB			70°F DB			80°F DB		
	57°F WB			60°F WB			67°F WB		
	TC	Power Input (KW)	COP	TC	Power Input (KW)	COP	TC	Power Input (KW)	COP
-5°F	11040	1658	1.95	11520	1691	2.00	12000	1725	2.04
0°F	12720	1691	2.20	13200	1726	2.24	13680	1760	2.28
5°F	13440	1726	2.28	13920	1761	2.32	14400	1796	2.35
10°F	13920	1761	2.32	14400	1797	2.35	14880	1833	2.38
17°F	15520	1797	2.53	16000	1834	2.56	16480	1870	2.58
19°F	16320	1834	2.61	16800	1871	2.63	17280	1909	2.65
24°F	18720	1871	2.93	19200	1909	2.95	19680	1947	2.96
32°F	20640	1909	3.17	21120	1948	3.18	21600	1987	3.19
41°F	22320	1948	3.36	22800	1988	3.36	23280	2028	3.36
43°F	23040	1988	3.40	23520	2029	3.40	24000	2069	3.40
47°F	23520	2029	3.40	24000	2070	3.40	24480	2111	3.40
53°F	23760	2089	3.33	24240	2132	3.33	24720	2175	3.33
59°F	24000	2152	3.27	24480	2196	3.27	24960	2240	3.27
64°F	24720	2217	3.27	25200	2262	3.27	25680	2307	3.26
70°F	25440	2283	3.27	25920	2330	3.26	26400	2376	3.26
75°F	26160	2352	3.26	26640	2400	3.25	27120	2448	3.25
78°F	27120	2422	3.28	27600	2472	3.27	28080	2521	3.26
* Maximum system capacity									
TC- Total Capacity (BtuH)									
COP- Coefficient of Performance									

Lomo 17 Heat Pump

TOSOT

MODEL: TW24HQ1B2D

Outline Dimension Diagram



Approved By:

Signature

Date

TOSOT

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