

Lomo 17 Heat Pump**TOSOT****MODEL: TW09HQ1B2D**

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)	2,457-9,100-9,600	
SEER	17	
EER	10.25	
Heating:	-	-
Capacity (Min Rated Max, Btu/h)	2,457-9,500-11,500	
HSPF	9	
COP (W/W)	3.6	

Compressor

Cooling Operation Ambient temp. Range	-18~46 C
Heating Operation Ambient temp. Range	-20~24 C
Compressor Type	Rotary
Compressor RLA (A)	6.6
Crankcase Heater	Yes

Electrical Specification

Power Supply	208-230V / 60Hz
Communications Wire Size	AWG 14
MOP (A)	15
MCA (A)	10
Cooling Rated Amps (A)	4.3
Heating Rated Amps (A)	3.8
Indoor Fan Motor RLA (A)	0.22
Outdoor Fan Motor RLA(A)	0.37
Nominal Cooling Power Input (kW)	0.9
Nominal Heating Power Input (kW)	0.8

Unit Specification

Refrigerant Type	R410A
Refrigerant Charge (oz)	24
ODU Sound Pressure (dB(A))	50
IDU Sound Pressure (dB(A))	39/37/33/26
ODU Net Weight (lbs)	58.4
IDU Net Weight (lbs)	19.8
Dehumidifying (Pint/D)	1.69

Fan

ODU / IDU Type	Axial-flow/Cross-flow
Fan Motor Output (W)	30
Motor/Drive	Direct Drive
ODU Max Air Flow Rate (CFM)	941.7
IDU Air Flow Rate (CFM)	182/294

Piping

Liquid Line (in, OD)	1/4
Gas Line (in, OD)	3/8
Additional Refrigerant (oz./ft.)	0.2
Max Pipe Length (ft.)	49.2
Piping Length (with factory charge, ft.)	24.6
Max Elevation (ft.)	32.8



AHRI certification Ref #

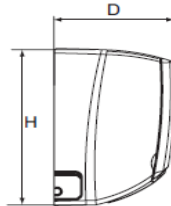
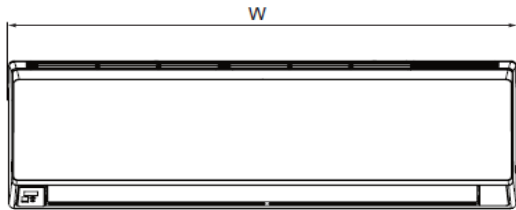
COOLING PERFORMANCE (BtuH)*									
Outdoor Ambient Temperature (DB)	Indoor Entering Air Temperatures								
	68°F DB			73°F DB			80°F DB		
	57°F FWB			61°F FWB			67°F FWB		
	TC	SHC		TC	SHC		TC	SHC	
0°F	3094	2243		3822	2771		4550	3299	
5°F	3549	2591		4277	3122		5005	3654	
17°F	4004	2943		4732	3478		5460	4013	
23°F	4186	3098		4914	3636		5642	4175	
32°F	4368	3254		5096	3797		5824	4339	
41°F	4914	3686		5642	4232		6370	4778	
50°F	5460	4122		6188	4672		6916	5222	
57°F	5824	4426		6552	4980		7280	5533	
67°F	6097	4664		6825	5221		7553	5778	
75°F	7644	5886		8372	6446		9100	7007	
86°F	8463	6559		9191	7123		9919	7687	
95°F	7644	5962		8372	6530		9100	7098	
104°F	6734	5286		7462	5858		8190	6429	
113°F	6188	4889		6916	5464		7644	6039	
122°F	5278	4196		6006	4775		6734	5354	
HEATING PERFORMANCE (BtuH)*									
Outdoor Ambient Temperature (DB)	Indoor Entering Air Temperatures								
	68°F DB			70°F DB			80°F DB		
	57°F FWB			60°F FWB			67°F FWB		
	TC	Power Input (KW)	COP	TC	Power Input (KW)	COP	TC	Power Input (KW)	COP
-5°F	4370	620	2.1	4560	632	2.1	4750	645	2.2
0°F	5035	632	2.3	5225	645	2.4	5415	658	2.4
5°F	5320	645	2.4	5510	658	2.5	5700	672	2.5
10°F	5510	658	2.5	5700	672	2.5	5890	685	2.5
17°F	6143	672	2.7	6333	686	2.7	6523	699	2.7
19°F	6460	686	2.8	6650	700	2.8	6840	714	2.8
24°F	7410	700	3.1	7600	714	3.1	7790	728	3.1
32°F	8170	714	3.4	8360	728	3.4	8550	743	3.4
41°F	8835	728	3.6	9025	743	3.6	9215	758	3.6
43°F	9120	743	3.6	9310	759	3.6	9500	774	3.6
47°F	9310	759	3.6	9500	774	3.6	9690	789	3.6
53°F	9405	781	3.5	9595	797	3.5	9785	813	3.5
59°F	9500	805	3.5	9690	821	3.5	9880	838	3.5
64°F	9785	829	3.5	9975	846	3.5	10165	863	3.5
70°F	10070	854	3.5	10260	871	3.5	10450	889	3.5
75°F	10355	879	3.5	10545	897	3.4	10735	915	3.4
78°F	10735	906	3.5	10925	924	3.5	11115	943	3.5
* Maximum Output Values - Not at AHRI Test Conditions TC- Total Capacity (BtuH) COP- Coefficient of Performance									

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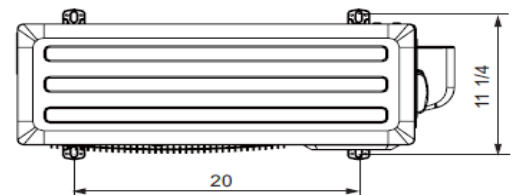
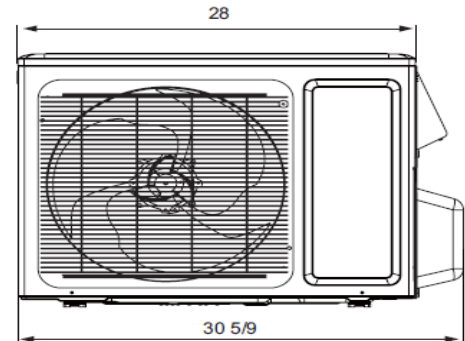
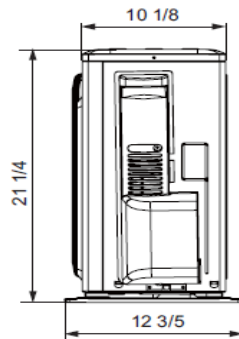
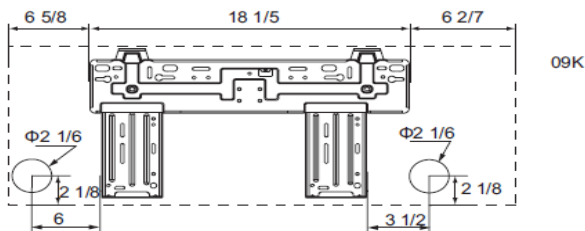
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MODEL: TW09HQ1B2D

Outline Dimension Diagram



W	H	D
37 1/8	10 7/8	7 7/8



Approved By:

Signature

Date

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