

Lomo 17 Heat Pump**TOSOT****MODEL: TW18HQ1B2D**

Project Name:

Location:

Engineer Name:

Purshaser:

Unit Designation:

Schedule No.

SubmittedTo:

Date:

**General Features**

- Low Ambient Cooling to 5 °F
- 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
- Anti Freeze Protection
- LED display

Unit Performance:

Cooling:	-	-
Capacity (Min Rated Max, Btu/h)	4094-17400-20000	
SEER	17	
EER	8.53	
Heating:	-	-
Capacity (Min Rated Max, Btu/h)	4100-18000-21000	
HSPF	9	
COP (W/W)	3	

Compressor

Cooling Operation Ambient temp. Range	-18~46 C
Heating Operation Ambient temp. Range	-20~24 C
Compressor Type	Rotary
Compressor RLA (A)	10.2
Crankcase Heater	Yes

Electrical Specification

Power Supply	208-230V / 60Hz
Communications Wire Size	AWG 14
MOP (A)	20
MCA (A)	15
Cooling Rated Amps (A)	9
Heating Rated Amps (A)	7.8
Compressor RLA (A)	10.2
Indoor Fan Motor RLA (A)	0.4
Outdoor Fan Motor RLA(A)	0.7
Nominal Cooling Power Input (kW)	2.04
Nominal Heating Power Input (kW)	1.76

Unit Specification

Refrigerant Type	R410A
Refrigerant Charge (oz)	42.3
ODU Sound Pressure (dB(A))	56
IDU Sound Pressure (dB(A))	47/44/40/35
ODU Net Weight (lbs)	87.1
IDU Net Weight (lbs)	29.8
Dehumidifying (Pint/h)	3.8

Fan

ODU / IDU Type	Axial-flow/Cross-flow
Fan Motor Output (W)	60
Motor/Drive	Direct Drive
ODU Max Air Flow Rate (CFM)	1766
IDU Air Flow Rate (CFM)	335 / 471

Piping

Liquid Line (in, OD)	1/4
Gas Line (in, OD)	1/2
Additional Refrigerant (oz./ft.)	0.2
Max Pipe Length (ft.)	82
Piping Length (with factory charge, ft.)	24.6
Max Elevation (ft.)	33



AHRI certification Ref #

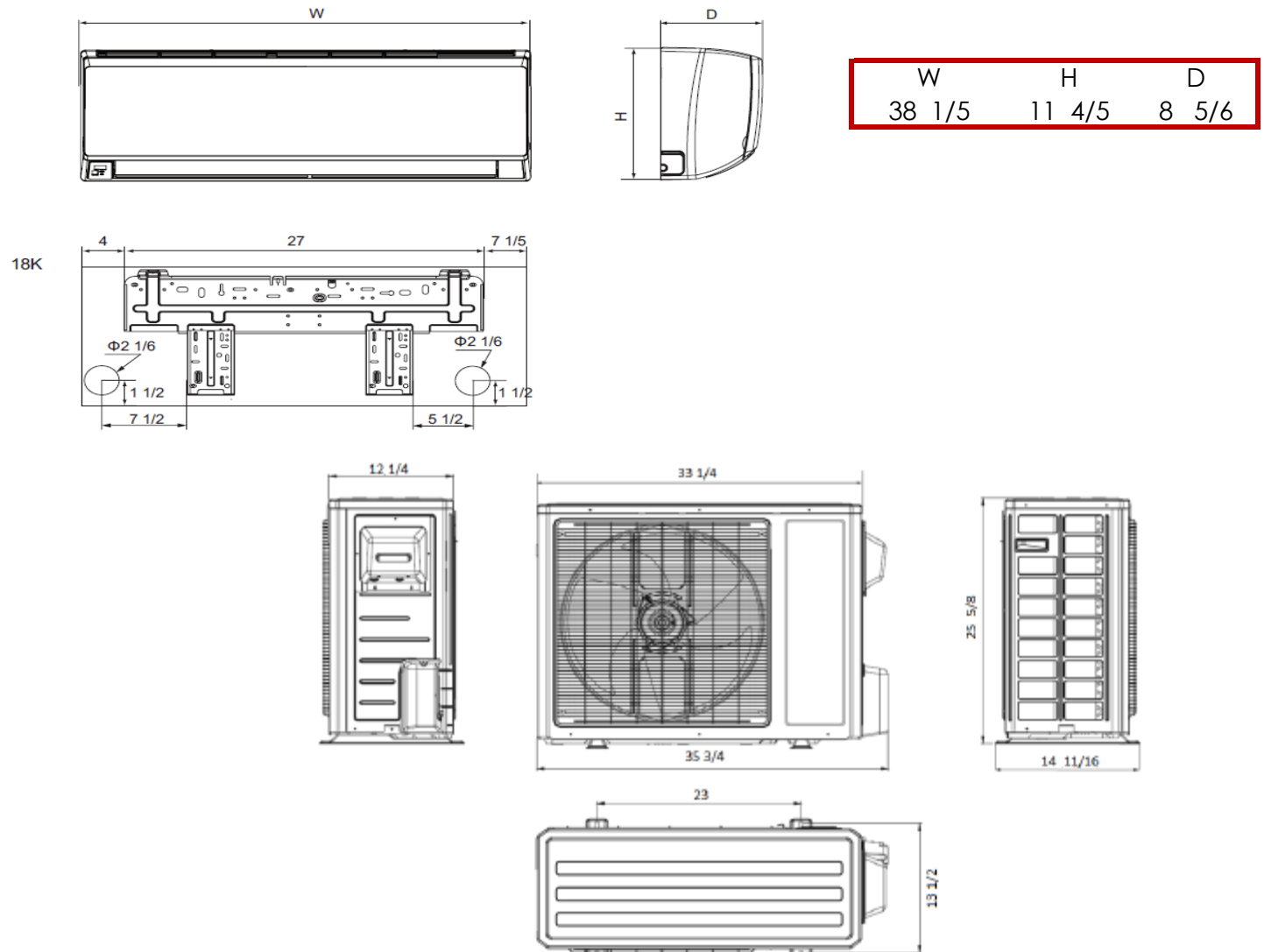
COOLING PERFORMANCE (BtuH)*									
Outdoor Ambient Temperature (DB)	Indoor Entering Air Temperatures								
	68°F DB		73°F DB		80°F DB				
	57°F FWB		61°F FWB		67°F FWB				
	TC	SHC	TC	SHC	TC	SHC			
0°F	5916	4289	7308	5298	8700	6308			
5°F	6786	4954	8178	5970	9570	6986			
17°F	7656	5627	9048	6650	10440	7673			
23°F	8004	5923	9396	6953	10788	7983			
32°F	8352	6222	9744	7259	11136	8296			
41°F	9396	7047	10788	8091	12180	9135			
50°F	10440	7882	11832	8933	13224	9984			
57°F	11136	8463	12528	9521	13920	10579			
67°F	11658	8918	13050	9983	14442	11048			
75°F	14616	11254	16008	12326	17400	13398			
86°F	16182	12541	17574	13620	18966	14699			
95°F	14616	11401	16008	12486	17400	13572			
104°F	12876	10108	14268	11200	15660	12293			
113°F	11832	9347	13224	10447	14616	11547			
122°F	10092	8023	11484	9130	12876	10236			
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	8280	1408	1.72	8640	1436	1.76	9000	1465	1.80
0°F	9540	1436	1.95	9900	1466	1.98	10260	1495	2.01
5°F	10080	1466	2.02	10440	1496	2.05	10800	1526	2.07
10°F	10440	1496	2.05	10800	1526	2.07	11160	1557	2.10
17°F	11640	1526	2.24	12000	1557	2.26	12360	1588	2.28
19°F	12240	1557	2.30	12600	1589	2.32	12960	1621	2.34
24°F	14040	1589	2.59	14400	1622	2.60	14760	1654	2.62
32°F	15480	1622	2.80	15840	1655	2.81	16200	1688	2.81
41°F	16740	1655	2.97	17100	1688	2.97	17460	1722	2.97
43°F	17280	1688	3.00	17640	1723	3.00	18000	1757	3.00
47°F	17640	1723	3.00	18000	1758	3.00	18360	1793	3.00
53°F	17820	1775	2.94	18180	1811	2.94	18540	1847	2.94
59°F	18000	1828	2.89	18360	1865	2.89	18720	1902	2.88
64°F	18540	1883	2.89	18900	1921	2.88	19260	1959	2.88
70°F	19080	1939	2.88	19440	1979	2.88	19800	2018	2.88
75°F	19620	1997	2.88	19980	2038	2.87	20340	2079	2.87
78°F	20340	2057	2.90	20700	2099	2.89	21060	2141	2.88
* Maximum system capacity TC- Total Capacity (BtuH) COP- Coefficient of Performance									

Lomo 17 Heat Pump

TOSOT

MODEL: TW18HQ1B2D

Outline Dimension Diagram



Approved By:

Unit = Inch

Signature

Date

TOSOT

315 Boulevard Industriel, Châteauguay, Contact: +1 (450) 698-4000

QC, Canada J6J 4Z2

info@tosotamerica.com

tosotamerica.com