

Lomo+ Series

TOSOT

MODEL: TW12HQ3D6D

Project Name:

Location:

Engineer Name:

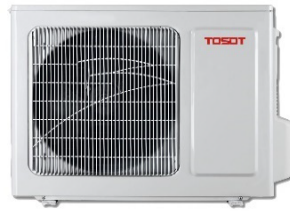
Purchaser:

Unit Designation:

Schedule No.

Submitted To:

Date:



General Features

- Auto Swing (Vertical & horizontal)
- Heated Belt Around Compressor
- Pan Heater
- High And Low Pressure Protection Features
- Load Protection Features
- Over-Current Protection
- Anti Freeze Protection

- Ultra Heat
- Ultra Efficient
- Extended pipe length
- Wi-Fi
- Fan Delay Function
- Intelligent Pre-heating / Defrost
- Control lock

Unit Performance:

Cooling:	-	-
Capacity (Min Rated Max, Btu/h)	2,900-12,000-15,354	
SEER		30.5
EER		15.3
Heating:	-	-
Capacity (Min Rated Max, Btu/h)	3,071-12,200-18,766	
HSPF		14
COP (W/W)		3.8

Compressor

Cooling Operation Ambient temp. Range	0~129°F
Heating Operation Ambient temp. Range	-22~75°F
Compressor Type	Rotary
Compressor RLA (A)	6.9
Crankcase Heater	Yes

Unit Specification

Refrigerant Type	R410A
Refrigerant Charge (oz)	49.4
ODU Sound Pressure (dB(A))	53
IDU Sound Pressure (dB(A))	49/46/43/40/37/34/22
ODU Net Weight (lbs)	99.2
IDU Net Weight (lbs)	29.8
Dehumidifying (Pint/h)	2.96

Electrical Specification

Power Supply	208-230V / 60Hz
Communications Wire Size	AWG 14
MOP (A)	15
MCA (A)	9
Cooling Rated Amps (A)	6.5
Heating Rated Amps (A)	6.9
Compressor RLA (A)	6.9
Indoor Fan Motor RLA (A)	0.09
Outdoor Fan Motor RLA (A)	0.24
Nominal Cooling Power Input (kW)	0.78
Nominal Heating Power Input (kW)	0.94

Fan

ODU / IDU Type	Axial-flow/Cross-flow
Fan Motor Output (W)	30
Motor/Drive	Direct Drive
ODU Max Air Flow Rate (CFM)	1413
IDU Air Flow Rate (CFM)	235/500

Piping

Liquid Line (in, OD)	1/4
Gas Line (in, OD)	1/2
Additional Refrigerant (oz./ft.)	0.2
Max Pipe Length (ft.)	66
Piping Length (with factory charge, ft.)	24.6
Max Elevation (ft.)	49



AHRI certification Ref #

Capacity Variation Ratio According to Temperature

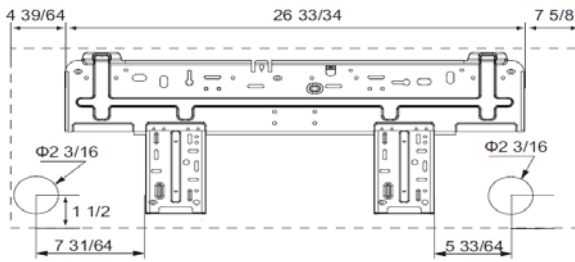
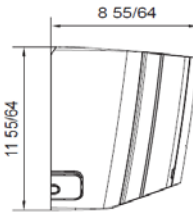
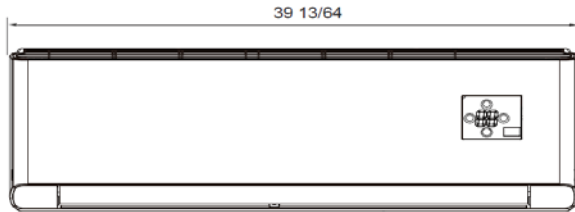
COOLING PERFORMANCE (BtuH)*						
Outdoor Ambient Temperature (DB)	Indoor Entering Air Temperatures					
	68°F DB		73°F DB		80°F DB	
	57°FWB		61°FWB		67°FWB	
	TC	SHC	TC	SHC	TC	SHC
0°F	8274	6639	8517	6842	8975	7200
5°F	8903	7142	9165	7361	9657	7746
14°F	10160	8148	10462	8398	11022	8838
23°F	10789	8651	11110	8916	11705	9384
32°F	11418	9154	11758	9435	12387	9930
41°F	12047	9657	12407	9954	13069	10476
50°F	12612	10090	12943	10345	14666	10954
59°F	13241	10593	13591	10864	15348	11500
68°F	14498	11599	14888	11901	16713	12592
77°F	15127	12102	15536	12419	17396	13138
86°F	15756	12605	16184	12938	18078	13684
95°F	15829	12679	16300	13071	17182	13745
104°F	15200	12176	15652	12552	16500	13199
113°F	14571	11673	15004	12034	15817	12653
122°F	13314	10667	13707	10997	14452	11561
129°F	12685	10164	13059	10478	13770	11015
HEATING PERFORMANCE (BtuH)*						
Outdoor Ambient Temperature (DB)	Indoor Entering Air Temperatures					
	68°F DB		73°F DB		80°F DB	
	57°FWB		61°FWB		67°FWB	
	TC	SHC	TC	SHC	TC	SHC
-22°F	8589		8556		8533	
-13°F	9760		9724		9698	
-4°F	12200		12155		12123	
0°F	12289		12247		12215	
6°F	13304		13259		13227	
10°F	13743		13697		13664	
16°F	14590		14542		14507	
19°F	14797		14750		14695	
24°F	15658		15606		15548	
32°F	17094		17037		16979	
41°F	18263		18200		18139	
43°F	18410		18359		18297	
47°F	17858		17808		17750	
53°F	17322		17275		17220	
59°F	16023		15980		15927	
64°F	14773		14734		14685	
70°F	13887		13853		13806	
75°F	12915		12884		12740	
78°F	12140		12112		12006	
*Maximum system capacity						
TC- Total Capacity (BtuH)						
SHC- Sensible Capacity (BtuH)						

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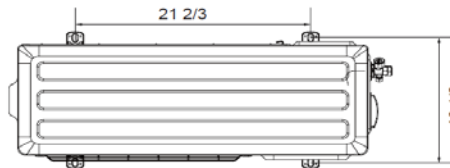
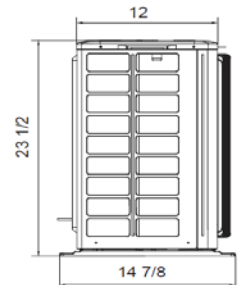
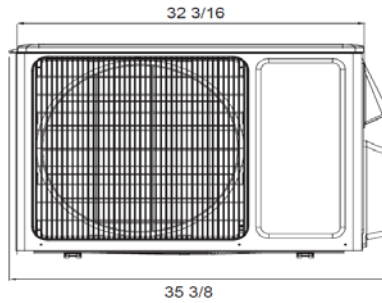
TOSOT

MODEL: TW12HQ3D6D

Outline Dimension Diagram



Unit:inch



Unit:inch

Approved By:

Signature

Date

TOSOT

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