

Lomo+ Series

TOSOT

MODEL: TW09HQ3D6D

Project Name:

Location:

Engineer Name:

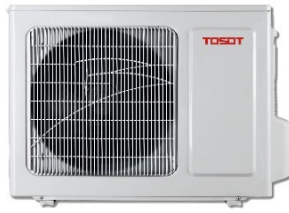
Purshaser:

Unit Designation:

Schedule No.

SubmittedTo:

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)	1,535-9,000-12,996	
SEER		38
EER		16.5
Heating:	-	-
Capacity (Min Rated Max, Btu/h)	2,388-9,000-13,648	
HSPF		15
COP (W/W)		4.4

**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

**Electrical Specification**

Power Supply	208-230V / 60Hz
Communications Wire Size	AWG 14
MOP (A)	15
MCA (A)	9
Cooling Rated Amps (A)	6.2
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)	0.54
Nominal Heating Power Input (kW)	0.59

**Unit Specification**

Refrigerant Type	R410A
Refrigerant Charge (oz)	45.9
ODU Sound Pressure (dB(A))	53
IDU Sound Pressure (dB(A))	43/40/38/36/33/31/19
ODU Net Weight (lbs)	99.2
IDU Net Weight (lbs)	29.8
Dehumidifying (Pint/h)	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)	1413
IDU Air Flow Rate (CFM)	206/424

**Piping**

Liquid Line (in, OD)	1/4
Gas Line (in, OD)	1/2
Additional Refrigerant (oz./ft.)	0.2
Max Pipe Length (ft.)	49.2
Piping Length (with factory charge, ft.)	24.6
Max Elevation (ft.)	49



AHRI certification Ref #

## Capacity Variation Ratio According to Temperature

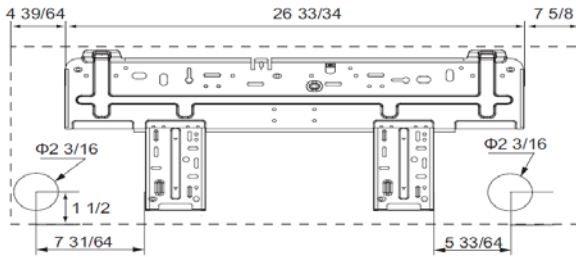
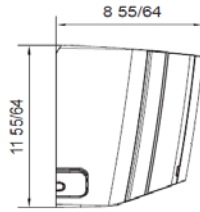
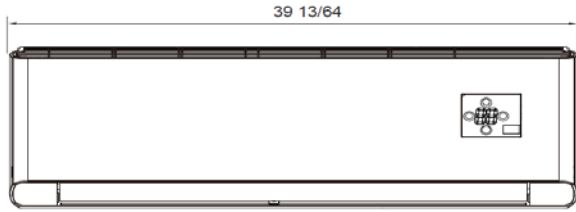
COOLING PERFORMANCE (BtuH)*						
Outdoor Ambient Temperature (DB)	Indoor Entering Air Temperatures					
	68°F DB		73°F DB		80°F DB	
	57°FWB		61°FWB		67°FWB	
	TC	SHC	TC	SHC	TC	SHC
0°F	8175	6540	8428	6742	8871	7097
5°F	8804	7043	9076	7261	9554	7643
14°F	10061	8049	10372	8298	10918	8735
23°F	10690	8552	11021	8817	11601	9281
32°F	11319	9055	11669	9335	12283	9827
41°F	11948	9558	12317	9854	12966	10372
50°F	12451	9961	12836	10269	13512	10809
59°F	12721	10177	13115	10492	13805	11044
68°F	12828	10263	13225	10580	13921	11137
77°F	12765	10212	13160	10528	13853	11082
86°F	12702	10162	13095	10476	13784	11028
95°F	12577	10061	12966	10372	13648	10918
104°F	12074	9659	12447	9958	13102	10482
113°F	11696	9357	12058	9646	12693	10154
122°F	11516	9213	11872	9498	12497	9998
129°F	10313	8250	10632	8505	11191	8953
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	8270		8166		8121	
-13°F	9253		9150		9104	
-4°F	11850		11747		11701	
0°F	11940		11836		11790	
6°F	12210		12106		12061	
10°F	12455		12352		12306	
16°F	12570		12466		12420	
19°F	13552		13448		13402	
24°F	13630		13526		13480	
32°F	13700		13596		13550	
41°F	13970		13866		13820	
43°F	14470		14366		14320	
47°F	13798		13694		13648	
53°F	13769		13665		13620	
59°F	13530		13426		13380	
64°F	13502		13398		13352	
70°F	12354		12250		12204	
75°F	12255		12152		12106	
78°F	11919		11815		11770	
* Maximum system capacity						
TC- Total Capacity ( BtuH)						
SHC- Sensible Capacity (BtuH)						

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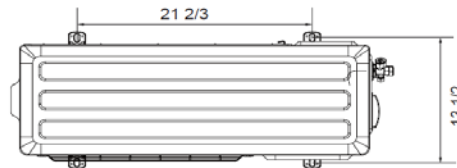
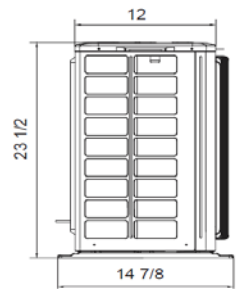
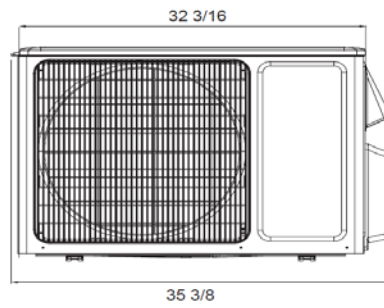
**TOSOT**

MODEL: TW09HQ3D6D

Outline Dimension Diagram



Unit:inch



Unit:inch

Approved By:

Signature

Date

**TOSOT**

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