

Lomo+ Series

TOSOT

MODEL: TW24HQ3D6D

Project Name:

Engineer Name:

Unit Designation:

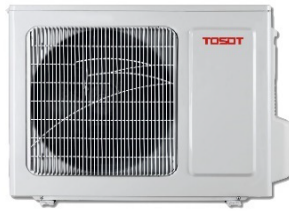
Submitted To:

Date:

Location:

Purchaser:

Schedule No.



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)	6,800-22,000-30,700	
SEER		21.5
EER		13
Heating:	-	-
Capacity (Min Rated Max, Btu/h)	6,800-24,000-32,000	
HSPF		12
COP (W/W)		3.5

Compressor

Cooling Operation Ambient temp. Range	0~129°F
Heating Operation Ambient temp. Range	-22~75°F
Compressor Type	Swing
Compressor RLA (A)	16
Crankcase Heater	Yes

Unit Specification

Refrigerant Type	R410A
Refrigerant Charge (oz)	81.1
ODU Sound Pressure (dB(A))	59
IDU Sound Pressure (dB(A))	52/49/46/43/40/37/34
ODU Net Weight (lbs)	147.7
IDU Net Weight (lbs)	36.4
Dehumidifying (Pint/h)	5.2

Electrical Specification

Power Supply	208-230V / 60Hz
Communications Wire Size	AWG 14
MOP (A)	35
MCA (A)	22
Cooling Rated Amps (A)	16.4
Heating Rated Amps (A)	16.4
Compressor RLA (A)	16
Indoor Fan Motor RLA (A)	0.38
Outdoor Fan Motor RLA (A)	0.65
Nominal Cooling Power Input (kW)	1.7
Nominal Heating Power Input (kW)	2

Fan

ODU / IDU Type	Axial-flow/Cross-flow
Fan Motor Output (W)	90
Motor/Drive	Direct Drive
ODU Max Air Flow Rate (CFM)	4000
IDU Air Flow Rate (CFM)	383/824

Piping

Liquid Line (in, OD)	1/4
Gas Line (in, OD)	5/8
Additional Refrigerant (oz./ft.)	0.5
Max Pipe Length (ft.)	164
Piping Length (with factory charge, ft.)	24.6
Max Elevation (ft.)	99



AHRI certification Ref #

Capacity Variation Ratio According to Temperature

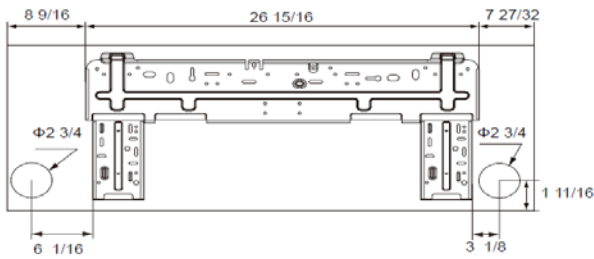
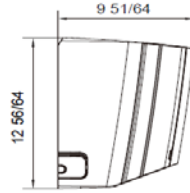
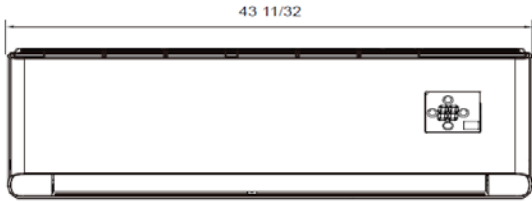
COOLING PERFORMANCE (BtuH)*						
Outdoor Ambient Temperature (DB) °F	Indoor Entering Air Temperatures					
	68°F DB		73°F DB		80°F DB	
	57°F WB		61°FWB		67°FWB	
	TC	SHC	TC	SHC	TC	SHC
0°F	13521	10599	14165	11104	15894	12459
5°F	14036	11008	14828	11625	16735	13125
14°F	14395	11291	15202	11922	17373	13623
23°F	15378	12063	16449	12902	18847	14782
32°F	18649	14626	19947	15643	21846	17129
41°F	21120	16565	22440	17597	23980	18808
50°F	20871	16371	22198	17411	23760	18637
59°F	20357	15963	21677	17003	23540	18466
68°F	19844	15562	21164	16602	23100	18117
77°F	19338	15168	20651	16193	22660	17775
86°F	18692	14661	19998	15682	21896	17176
95°F	18781	14730	20093	15755	22000	17255
104°F	17769	13936	19035	14930	21054	16515
113°F	16450	12902	17652	13846	19724	15473
122°F	14879	11668	16001	12544	17925	14055
129°F	13775	10803	14693	11522	16530	12967
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	14194		13955		13699	
-13°F	18752		18437		18098	
-4°F	23362		22969		22547	
0°F	24013		23614		23161	
6°F	24233		23826		23379	
10°F	24726		24313		23851	
16°F	25215		24795		24313	
19°F	25697		25277		24782	
24°F	25909		25517		25080	
32°F	26103		25750		25356	
41°F	27424		27102		26723	
43°F	27972		27642		27276	
47°F	29278		28771		28191	
53°F	29568		29052		28472	
59°F	30248		29713		29115	
64°F	30891		30347		29740	
70°F	31470		30927		30302	
75°F	31914		31353		30728	
78°F	32360		31790		31156	
* Maximum system capacity						
TC- Total Capacity (BtuH)						
SHC- Sensible Capacity (BtuH)						

Lomo+ Series

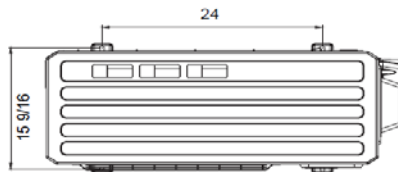
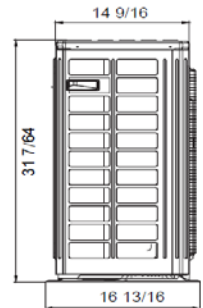
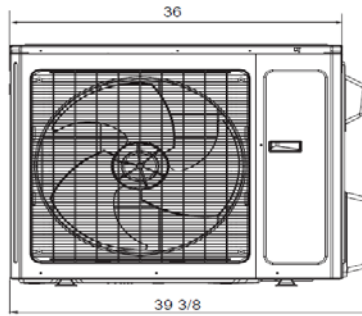
TOSOT

MODEL: TW24HQ3D6D

Outline Dimension Diagram



Unit:inch



Unit:inch

Approved By:

Signature

Date

TOSOT

315 Boulevard Industriel, Châteauguay,
QC, Canada J6J 4Z2

Contact: +1 (450) 698-4000
info@tosotamerica.com
tosotamerica.com