

Lomo+ Series

TOSOT

MODEL: TW18HQ3D6D

Project Name:

Location:

Engineer Name:

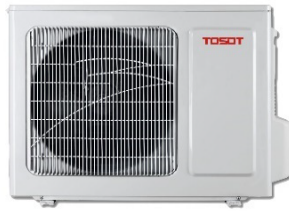
Purshaser:

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)	4,094-18,000-21,837	
SEER		24.5
EER		13.53
Heating:	-	-
Capacity (Min Rated Max, Btu/h)	4,094-18,000-24,566	
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)	15.5
Crankcase Heater	Yes

Unit Specification

Refrigerant Type	R410A
Refrigerant Charge (oz)	74.1
ODU Sound Pressure (dB(A))	59
IDU Sound Pressure (dB(A))	51/48/45/42/39/36/34
ODU Net Weight (lbs)	141.1
IDU Net Weight (lbs)	36.4
Dehumidifying (Pint/h)	3.8

Electrical Specification

Power Supply	208-230V / 60Hz
Communications Wire Size	AWG 14
MOP (A)	30
MCA (A)	22
Cooling Rated Amps (A)	10.8
Heating Rated Amps (A)	10.8
Compressor RLA (A)	15.5
Indoor Fan Motor RLA (A)	0.24
Outdoor Fan Motor RLA (A)	0.65
Nominal Cooling Power Input (kW)	1.33
Nominal Heating Power Input (kW)	1.5

Fan

ODU / IDU Type	Axial-flow/Cross-flow
Fan Motor Output (W)	90
Motor/Drive	Direct Drive
ODU Max Air Flow Rate (CFM)	2354
IDU Air Flow Rate (CFM)	353/736

Piping

Liquid Line (in, OD)	1/4
Gas Line (in, OD)	5/8
Additional Refrigerant (oz./ft.)	0.5
Max Pipe Length (ft.)	100
Piping Length (with factory charge, ft.)	24.6
Max Elevation (ft.)	66



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°FFWB		61°FFWB		67°FFWB	
	TC	SHC	TC	SHC	TC	SHC
0°F	8866	6585	9288	7023	10609	8187
5°F	10366	8085	10788	8523	12109	9687
14°F	11804	9207	12500	9875	13834	11067
23°F	12749	9944	13851	10942	15671	12537
32°F	13249	10334	14339	11328	16276	13021
41°F	13902	10843	14927	11792	16608	13287
50°F	14873	11601	15848	12520	17182	13746
59°F	15755	12289	16905	13355	17643	14115
68°F	16239	12667	17382	13732	18241	14593
77°F	16904	13185	18104	14302	19025	15220
86°F	16449	12830	17708	13990	18645	14916
95°F	15825	12343	17269	13642	18196	14557
104°F	15503	12093	17139	13540	18083	14467
113°F	15121	11794	14707	11619	17988	14390
122°F	14958	11667	15259	12054	17133	13706
129°F	14103	10812	14404	11199	16278	12851
HEATING PERFORMANCE (BtuH)*						
Outdoor Ambient Temperature (DB)	Indoor Entering Air Temperatures					
	68°F DB		73°F DB		80°F DB	
	57°FFWB		61°FFWB		67°FFWB	
	TC	SHC	TC	SHC	TC	SHC
-22°F	10048		9645		9339	
-13°F	13482		13079		12773	
-4°F	17398		16995		16689	
0°F	18239		17836		17530	
6°F	20634		20167		19693	
10°F	21509		21007		20700	
16°F	23470		23168		22861	
19°F	24225		23930		23562	
24°F	24337		24035		23928	
32°F	24600		24298		24092	
41°F	24908		24590		22183	
43°F	25072		24770		24463	
47°F	24315		24012		23806	
53°F	23502		23199		22993	
59°F	22792		22510		22333	
64°F	21673		21470		21164	
70°F	20433		20190		19964	
75°F	19229		18977		18770	
78°F	18674		18239		17937	

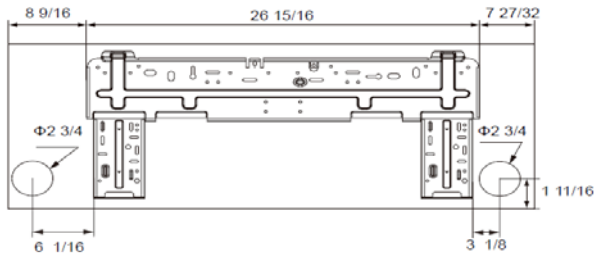
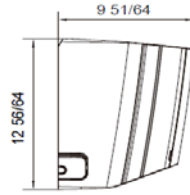
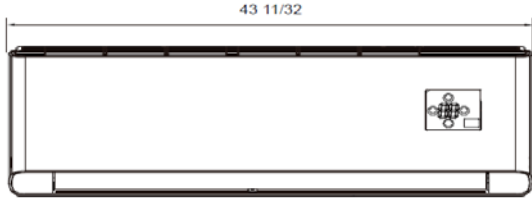
* Maximum system capacity
TC- Total Capacity (BtuH)
SHC- Sensible Capacity (BtuH)

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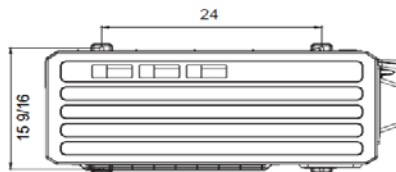
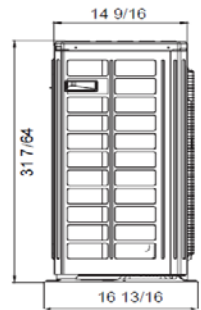
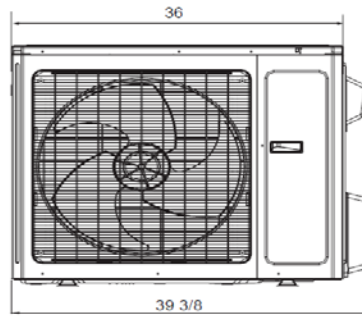
TOSOT

MODEL: TW18HQ3D6D

Outline Dimension Diagram



UnitInch



UnitInch

Approved By:

Signature

Date

TOSOT

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