



TOSOT

LOMO

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SINGLE ZONE WALL MOUNTED HEAT PUMP SYSTEM

TW18HQ3C2D

Indoor Unit	TW18HQ3C2DI
Outdoor Unit	TW18HQ3C2DO

Performance

Cooling Rated Capacity	Btu/h	18,000
Cooling Cap. Range Min-Max	Btu/h	3,412~20,472
SEER/EER		18.0/9.8
Heating Rated Capacity(47°F)	Btu/h	19,800
Heating Rated Capacity(17°F)	Btu/h	11,300
Heating Cap. Range Min-Max	Btu/h	3,412~21,837
HSPF/COP		9.0/2.78

Electrical

Voltage, Phase, Cycle	V-Ph-Hz	208/230-1-60
Voltage Range	V	187~253
MCA	A	16
MOP	A	25
Compressor RLA	A	12.08
Fan Motor FLA	A	0.52
Cooling Power Input	W	1,820
Heating Power Input	W	2,090

Piping

Pipe Length Min-Max	ft	10~100.0
Piping Lift	ft	65
Liquid Line	in	1/4
Vapor Line	in	1/2
Connection Type		Flare



Operating Range

Cooling Outdoor DB	°F	0~115
Heating Outdoor DB	°F	-13~75

System Data

Compressor Type		DC Inverter Rotary
Refrigerant Type		R410A
Pre-Charge	oz	45.86
Pre-Charge Length	ft	25
Additional Charge	oz/ft	0.2
Refrigerant Control		EXV
ODU Sound Pressure (Cooling/Heating)	dB(A)	57/57
IDU Sound Pressure (Min/Max)	dB(A)	35/47
IDU Airflow Volume	cfm	294/500
Dehumidification	pts/hr	3.80



Job Name:		Date:	
Reference #:			
Signature:			

TOSOT Comfort

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COOLING PERFORMANCE*						
Outdoor Ambient DB	Indoor Entering Air Temperatures					
	68°F DB		74°F DB		80°F DB	
	57°F WB		61°F WB		67°F WB	
	TC	SHC	TC	SHC	TC	SHC
0°F	7,220	5,234	7,600	5,510	8,000	5,800
5°F	8,212	5,995	8,645	6,310	9,100	6,643
14°F	9,205	6,765	9,690	7,122	10,200	7,497
23°F	10,505	7,773	11,058	8,182	11,640	8,613
32°F	10,902	8,121	11,476	8,549	12,080	8,999
41°F	14,384	10,788	15,141	11,355	15,938	11,953
50°F	14,828	11,195	15,609	11,784	16,431	12,405
59°F	15,286	11,617	16,091	12,229	16,938	12,872
68°F	15,759	12,056	16,589	12,690	17,463	13,359
77°F	16,083	12,383	16,929	13,035	17,820	13,721
86°F	16,732	12,967	17,813	13,650	18,540	14,368
95°F	16,245	12,671	17,100	13,338	18,000	14,040
104°F	15,920	12,497	16,758	13,155	17,640	13,847
113°F	15,442	12,199	16,255	12,841	17,110	13,517
HEATING PERFORMANCE*						
Outdoor Ambient DB	Indoor Entering Air Temperatures					
	68°F DB	70°F DB	80°F DB			
	57°F WB	60°F WB	67°F WB			
	TC	TC	TC			
-31°F	/	/	/			
-22°F	8,172	7,064	7,870			
-13°F	9,281	8,157	8,784			
-4°F	11,686	10,526	10,938			
0°F	12,203	11,035	11,531			
6°F	13,484	12,297	12,610			
10°F	14,013	12,818	13,232			
17°F	15,416	11,300	14,551			
19°F	16,504	16,349	15,884			
24°F	17,306	17,143	16,654			
32°F	17,974	17,804	17,295			
41°F	18,934	18,755	18,217			
43°F	19,748	19,581	18,998			
47°F	19,980	19,800	18,455			
53°F	17,574	17,398	17,871			
59°F	17,043	16,873	16,361			
64°F	16,207	16,045	15,559			
70°F	15,279	15,126	14,448			
75°F	14,379	14,235	13,804			
78°F	13,964	13,824	13,405			

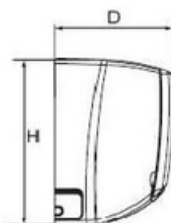
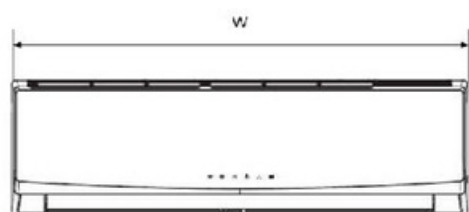
* Maximum System Capacity

TC - Total Capacity(Btu/h)

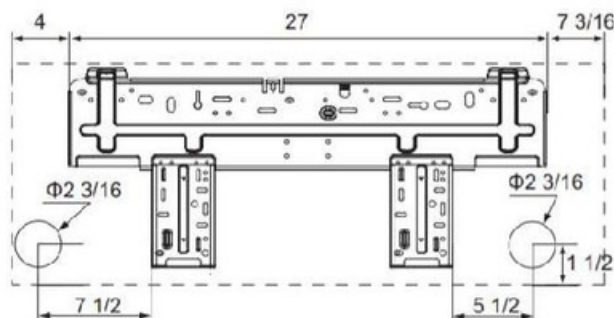
SHC - Sensible Capacity(Btu/h)



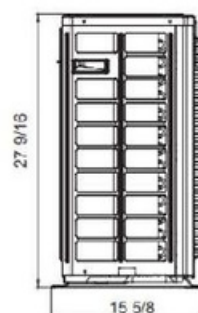
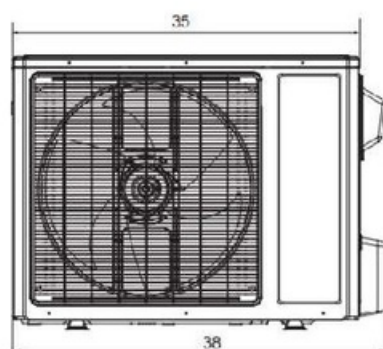
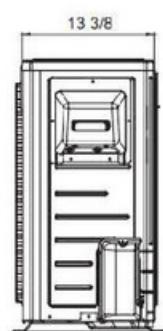
OUTLINE AND PHYSICAL DIMENSIONS



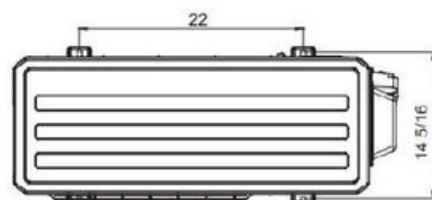
Dimensions	
W	38 3/16
H	11 13/16
D	8 13/16



Liquid Line Valve	1/4-in OD Flared
Gas Line Valve	1/2-in OD Flared
Drain Connector	5/8-in OD
Net Weight IDU	30.9 lb
Gross Weight IDU	37.5 lb



Unit:inch



Liquid Line Valve	1/4-in OD Flared
Gas Line Valve	1/2-in OD Flared
Net Weight ODU	97.0 lb
Gross Weight ODU	106.9 lb

**INSTALLATION DIAGRAM**