



SINGLE ZONE WALL MOUNTED HEAT PUMP SYSTEM

TW24HQ3C2D		
Indoor Unit		TW24HQ3C2DI
Outdoor Unit		TW24HQ3C2DO
Performance		
Cooling Rated Capacity	Btu/h	22,000
Cooling Cap. Range Min-Max	Btu/h	8,600~24,000
SEER/EER		18.0/10.95
Heating Rated Capacity(47°F)	Btu/h	24,000
Heating Rated Capacity(17°F)	Btu/h	16,000
Heating Cap. Range Min-Max	Btu/h	8,600~26,000
HSPF/COP		10.0/3.3
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	12.18
Fan Motor FLA	A	0.4
Cooling Power Input	W	2,010
Heating Power Input	W	2,130
Piping		
Pipe Length Min-Max	ft	10~100.0
Piping Lift	ft	65
Liquid Line	in	1/4
Vapor Line	in	5/8
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	56.4
Pre-Charge Length	ft	25
Additional Charge	oz/ft	0.538
Refrigerant Control		EXV
ODU Sound Pressure (Cooling/Heating)	dB(A)	58/58
IDU Sound Pressure (Min/Max)	dB(A)	36/49
IDU Airflow Volume	cfm	441/706
Dehumidification	pts/hr	4.23



Job Name:		Date:	
Reference #:			
Signature:			

TOSOT NORTH AMERICA
 930W 21ST STREET, CHICAGO IL 60608
 TEL: +1(312)800-8455
 EMAIL: SALES@TOSOT-NA.COM



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	7,480	5,423	9,240	6,699	11,000	7,975
5°F	8,580	6,263	10,340	7,548	12,100	8,833
14°F	9,680	7,115	11,440	8,408	13,200	9,702
23°F	10,120	7,489	11,880	8,791	13,640	10,094
32°F	10,560	7,867	12,320	9,178	14,080	10,490
41°F	11,880	8,910	13,640	10,230	15,400	11,550
50°F	13,200	9,966	14,960	11,295	16,720	12,624
59°F	14,080	10,701	15,840	12,038	17,600	13,376
68°F	14,740	11,276	16,500	12,623	18,260	13,969
77°F	18,280	14,030	20,110	15,385	21,800	16,740
86°F	20,460	15,857	22,220	17,221	23,980	18,585
95°F	18,480	14,414	20,240	15,787	22,000	17,160
104°F	16,280	12,780	18,040	14,161	19,800	15,543
113°F	14,960	11,818	16,720	13,209	18,480	14,599
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	10,000	9,640	9,280			
-13°F	10,680	10,320	9,960			
-4°F	11,880	11,520	11,160			
0°F	13,560	13,200	12,840			
6°F	14,280	13,920	13,560			
10°F	14,760	14,400	14,040			
17°F	16,360	16,000	15,640			
19°F	17,160	16,800	16,440			
24°F	19,560	19,200	18,840			
32°F	21,480	21,120	20,760			
41°F	23,160	22,800	22,440			
43°F	24,840	24,480	24,120			
47°F	24,302	24,000	23,794			
53°F	23,490	23,188	22,981			
59°F	22,780	22,498	22,322			
64°F	21,662	21,460	21,153			
70°F	20,422	20,180	19,954			
75°F	19,219	18,967	18,761			
78°F	18,665	18,230	17,928			

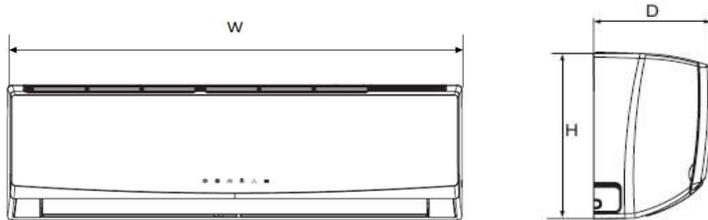
* Maximum System Capacity

TC - Total Capacity(Btu/h)

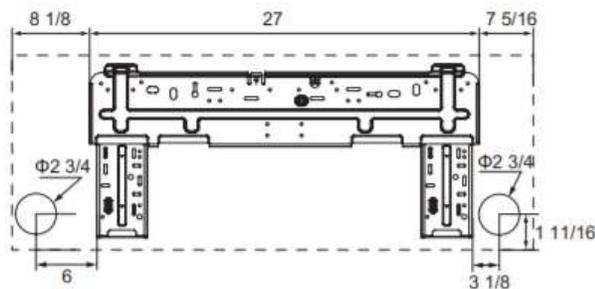
SHC - Sensible Capacity(Btu/h)



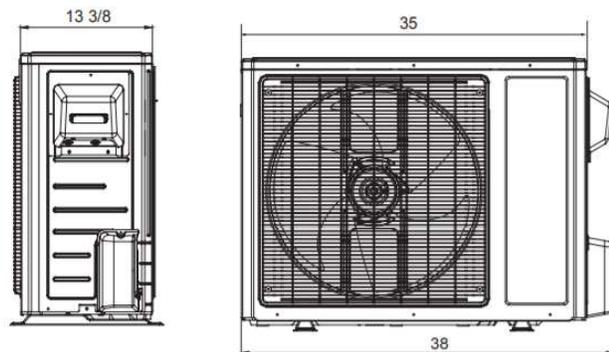
OUTLINE AND PHYSICAL DIMENSIONS



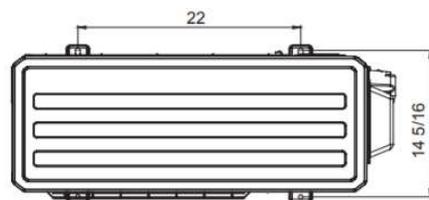
Dimensions	
W	42 7/16
H	12 13/16
D	9 11/16



Liquid Line Valve	1/4-in OD Flared
Gas Line Valve	5/8-in OD Flared
Drain Connector	5/8-in OD
Net Weight IDU	37.49 lb
Gross Weight IDU	45.2 lb



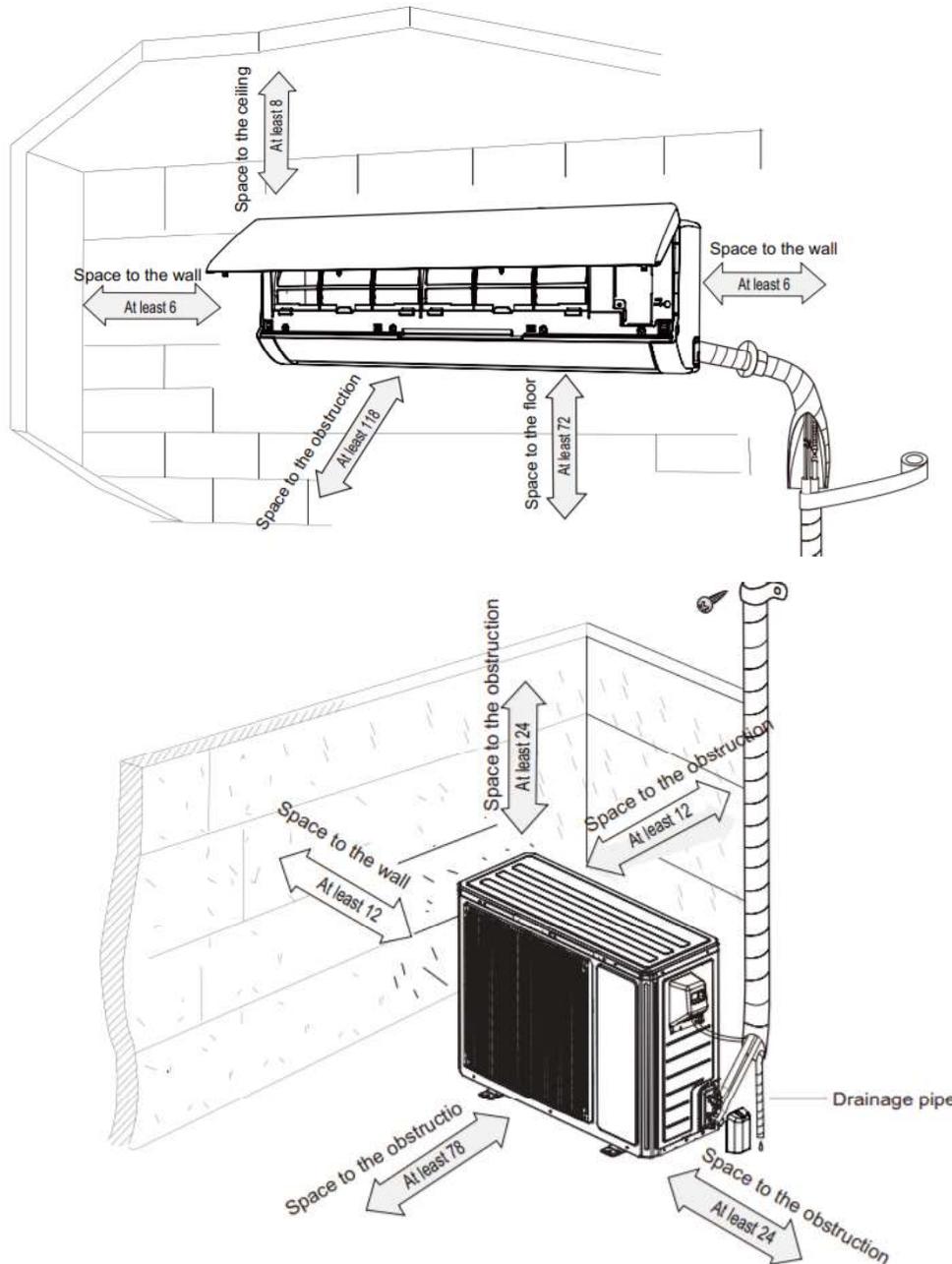
Unit:inch



Liquid Line Valve	1/4-in OD Flared
Gas Line Valve	5/8-in OD Flared
Net Weight ODU	103.635 lb
Gross Weight ODU	113.558 lb



INSTALLATION DIAGRAM



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