



**SINGLE ZONE WALL MOUNTED HEAT PUMP SYSTEM**

<b>TW12HQ3C2D</b>		
Indoor Unit		TW12HQ3C2DI
Outdoor Unit		TW12HQ3C2DO
<b>Performance</b>		
Cooling Rated Capacity	Btu/h	12,000
Cooling Cap. Range Min-Max	Btu/h	3,753~12,500
SEER/EER		18.0/10.4
Heating Rated Capacity(47°F)	Btu/h	13,000
Heating Rated Capacity(17°F)	Btu/h	7,500
Heating Cap. Range Min-Max	Btu/h	3,924~14,000
HSPF/COP		9.0/3.05
<b>Electrical</b>		
Voltage, Phase, Cycle	V-Ph-Hz	208/230-1-60
Voltage Range	V	187~253
MCA	A	9
MOP	A	15
Compressor RLA	A	6.60
Fan Motor FLA	A	0.37
Cooling Power Input	W	1,154
Heating Power Input	W	1,250
<b>Piping</b>		
Pipe Length Min-Max	ft	10~100.0
Piping Lift	ft	65
Liquid Line	in	1/4
Vapor Line	in	3/8
Connection Type		Flare



<b>Operating Range</b>		
Cooling Outdoor DB	°F	0~115
Heating Outdoor DB	°F	-13~75
<b>System Data</b>		
Compressor Type		DC Inverter Rotary
Refrigerant Type		R410A
Pre-Charge	oz	31.8
Pre-Charge Length	ft	25
Additional Charge	oz/ft	0.2
Refrigerant Control		EXV
ODU Sound Pressure (Cooling/Heating)	dB(A)	53/53
IDU Sound Pressure (Min/Max)	dB(A)	29/43
IDU Airflow Volume	cfm	194/400
Dehumidification	pts/hr	2.96



Job Name:		Date:	
Reference #:			
Signature:			

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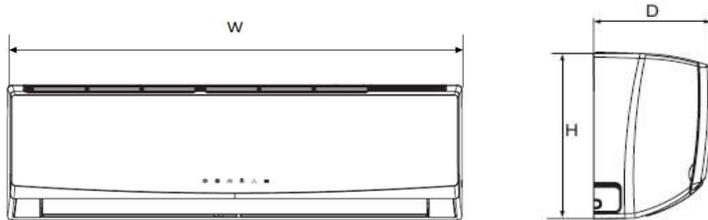


<b>COOLING PERFORMANCE*</b>						
Outdoor Ambient DB	Indoor Entering Air Temperatures					
	68°F DB		73°F DB		80°F DB	
	57°F WB		61°F WB		67°F WB	
	TC	SHC	TC	SHC	TC	SHC
0°F	6,113	4,432	6,435	4,665	6,774	4,911
5°F	6,785	4,953	7,142	5,214	7,518	5,488
14°F	7,710	5,667	8,116	5,965	8,543	6,279
23°F	8,116	6,006	8,543	6,322	8,993	6,655
32°F	9,018	6,718	9,492	7,072	9,992	7,444
41°F	9,492	7,119	9,992	7,494	10,518	7,888
50°F	9,816	7,706	10,333	7,801	10,876	8,212
59°F	10,140	7,994	10,674	8,112	11,236	8,539
68°F	10,450	8,956	11,000	8,415	11,579	8,858
77°F	10,738	8,268	11,303	8,703	11,898	9,161
86°F	11,245	8,715	11,837	9,174	12,460	9,657
95°F	10,830	8,447	11,400	8,892	12,000	9,360
104°F	10,559	8,289	11,115	8,725	11,700	9,185
113°F	10,242	8,092	10,782	8,517	11,349	8,966
<b>HEATING PERFORMANCE*</b>						
Outdoor Ambient DB	Indoor Ambient Temperature					
	68°F DB		73°F DB		80°F DB	
	57°F WB		61°F WB		67°F WB	
	TC	TC	TC	TC	TC	TC
-31°F	/	/	/	/	/	/
-22°F	6,647	6,588	6,740	6,548	6,888	6,740
-13°F	7,063	6,890	7,216	7,036	7,369	7,211
-4°F	7,216	7,036	7,369	7,211	7,518	7,369
0°F	7,369	7,211	7,518	7,369	7,698	7,518
6°F	7,518	7,369	7,698	7,518	7,846	7,698
10°F	7,698	7,518	7,846	7,698	8,100	7,846
17°F	7,846	7,698	8,100	7,846	8,278	8,100
19°F	8,100	7,846	8,278	8,100	8,606	8,278
24°F	8,278	8,100	8,606	8,278	8,985	8,606
32°F	8,606	8,278	8,985	8,606	9,268	8,985
41°F	8,985	8,606	9,268	8,985	9,518	9,268
43°F	9,268	8,985	9,518	9,268	9,647	9,518
47°F	9,518	9,268	9,647	9,518	9,735	9,647
53°F	9,647	9,518	9,735	9,647	9,811	9,735
59°F	9,735	9,647	9,811	9,735	9,886	9,811
64°F	9,811	9,735	9,886	9,811	9,959	9,886
70°F	9,886	9,811	9,959	9,886	10,021	9,959
75°F	9,959	9,886	10,021	9,959	10,076	9,959
78°F	10,021	9,959	10,076	10,021	10,125	10,021

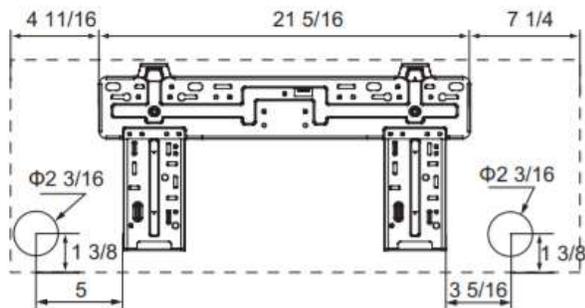
\* Maximum System Capacity  
 TC - Total Capacity(Btu/h)  
 SHC - Sensible Capacity(Btu/h)



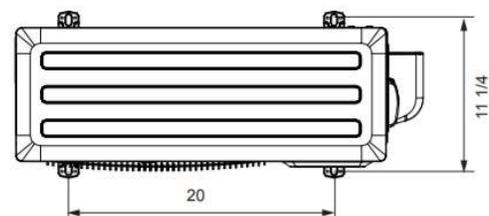
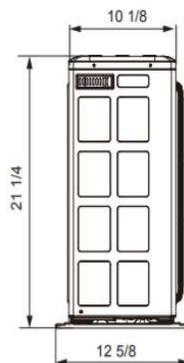
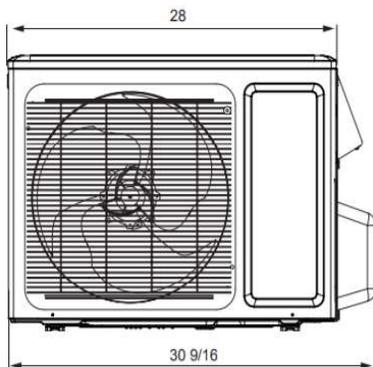
**INDOOR & OUTDOOR UNIT DIMENSIONS**



Dimensions	
W	33 1/4
H	11 3/8
D	8 1/4



Liquid Line Valve	1/4-in OD Flared
Gas Line Valve	3/8-in OD Flared
Drain Connector	5/8-in OD
Net Weight IDU	23.2 lb
Gross Weight IDU	27.6 lb



Liquid Line Valve	1/4-in OD Flared
Gas Line Valve	3/8-in OD Flared
Net Weight ODU	69.5 lb
Gross Weight ODU	75.0 lb

Unit:inch



**INSTALLATION DIAGRAM**

