



SINGLE ZONE WALL MOUNTED HEAT PUMP SYSTEM

TW12HQ2C2A		
Indoor Unit	TW12HQ2C2AI	
Outdoor Unit	TW12HQ2C2AO	
Performance		
Cooling Rated Capacity	Btu/h	12,000
Cooling Cap. Range Min-Max	Btu/h	3,514~14,569
SEER/EER	22.0/12.5	
Heating Rated Capacity(47°F)	Btu/h	12,200
Heating Rated Capacity(17°F)	Btu/h	7,600
Heating Cap. Range Min-Max	Btu/h	2,764~16,582
HSPF/COP	10.2/3.6	
Electrical		
Voltage, Phase, Cycle	V-Ph-Hz	115-1-60
Voltage Range	V	103~127
MCA	A	17
MOP	A	25
Compressor RLA	A	12.5
Fan Motor FLA	A	0.55
Cooling Power Input	W	960
Heating Power Input	W	990
Piping		
Pipe Length Min-Max	ft	10~66
Piping Lift	ft	33
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	-4~75
System Data		
Compressor Type	DC Inverter Rotary	
Refrigerant Type	R410A	
Pre-Charge	oz	47.6
Pre-Charge Length	ft	25
Additional Charge	oz/ft	0.21
Refrigerant Control	EXV	
ODU Sound Pressure (Cooling/Heating)	dB(A)	53/53
IDU Sound Pressure (Cooling Min/Max)	dB(A)	28/45
IDU Sound Pressure (Heating Min/Max)	dB(A)	28/45
IDU Airflow (Cooling Min/Max)	cfm	171/400
IDU Airflow (Heating Min/Max)	cfm	171/400
Dehumidification	pts/hr	2.96



Job Name:		Date:	
Reference #:			
Signature:			

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COOLING PERFORMANCE*								
Outdoor Ambient DB	Indoor Ambient Temperature							
	68°F DB		73°F DB		80°F DB		82°F DB	
	57°F WB		61°F WB		67°F WB		68°F WB	
	TC	SHC	TC	SHC	TC	SHC	TC	SHC
5°F	7,656	6,005	8,088	6,341	9,128	7,159	9,508	7,458
14°F	7,852	6,159	8,292	6,503	9,476	7,431	9,871	7,740
23°F	8,388	6,580	8,972	7,038	10,280	8,063	10,708	8,399
32°F	10,172	7,978	10,880	8,533	11,916	9,343	12,413	9,732
41°F	11,520	9,035	12,240	9,598	13,080	10,259	13,625	10,686
50°F	11,384	8,930	12,108	9,497	12,960	10,166	13,500	10,589
59°F	11,104	8,707	11,824	9,274	12,840	10,072	13,375	10,492
68°F	10,824	8,488	11,544	9,055	12,600	9,882	13,125	10,294
77°F	10,548	8,273	11,264	8,833	12,360	9,696	12,875	10,100
86°F	10,244	8,034	10,960	8,594	12,000	9,412	12,500	9,804
95°F	9,996	7,840	10,708	8,399	11,844	9,290	12,338	9,678
104°F	9,748	7,645	10,460	8,205	11,688	9,169	12,175	9,551
113°F	9,248	7,252	9,960	7,812	11,192	8,776	11,658	9,142

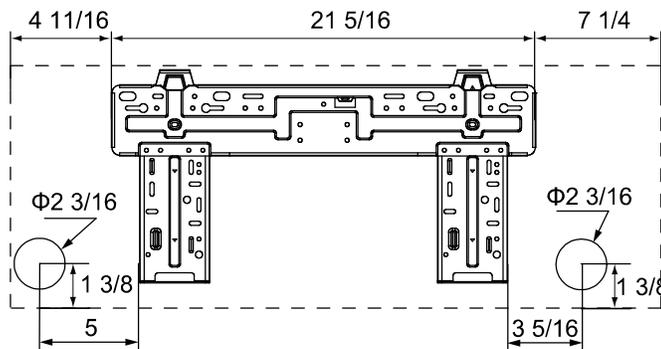
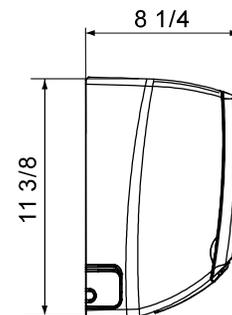
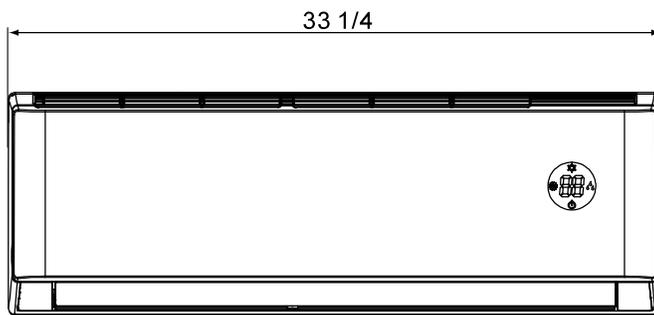
HEATING PERFORMANCE*								
Outdoor Ambient DB	Indoor Ambient Temperature							
	68°F DB		73°F DB		80°F DB		86°F DB	
	57°F WB		61°F WB		67°F WB		72°F WB	
	TC	SHC	TC	SHC	TC	SHC	TC	SHC
-4°F	6,401	6,401	6,340	6,340	6,233	6,233	5,982	5,982
0°F	6,935	6,935	6,870	6,870	6,756	6,756	6,477	6,477
6°F	7,316	7,316	7,248	7,248	7,126	7,126	6,832	6,832
10°F	7,621	7,621	7,549	7,549	7,423	7,423	7,118	7,118
16°F	7,850	7,850	7,778	7,778	7,648	7,648	7,331	7,331
19°F	8,006	8,006	7,926	7,926	7,797	7,797	7,473	7,473
24°F	8,895	8,895	8,818	8,818	8,685	8,685	8,365	8,365
32°F	9,932	9,932	9,855	9,855	9,722	9,722	9,402	9,402
41°F	11,117	11,117	11,041	11,041	10,911	10,911	10,587	10,587
43°F	11,415	11,415	11,338	11,338	11,205	11,205	10,885	10,885
47°F	12,448	12,448	12,322	12,322	12,109	12,109	11,582	11,582
53°F	12,574	12,574	12,444	12,444	12,227	12,227	11,697	11,697
59°F	12,860	12,860	12,730	12,730	12,505	12,505	11,964	11,964
64°F	13,134	13,134	13,001	13,001	12,772	12,772	12,219	12,219
70°F	13,382	13,382	13,245	13,245	13,016	13,016	12,452	12,452
75°F	13,569	13,569	13,431	13,431	13,195	13,195	12,623	12,623

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

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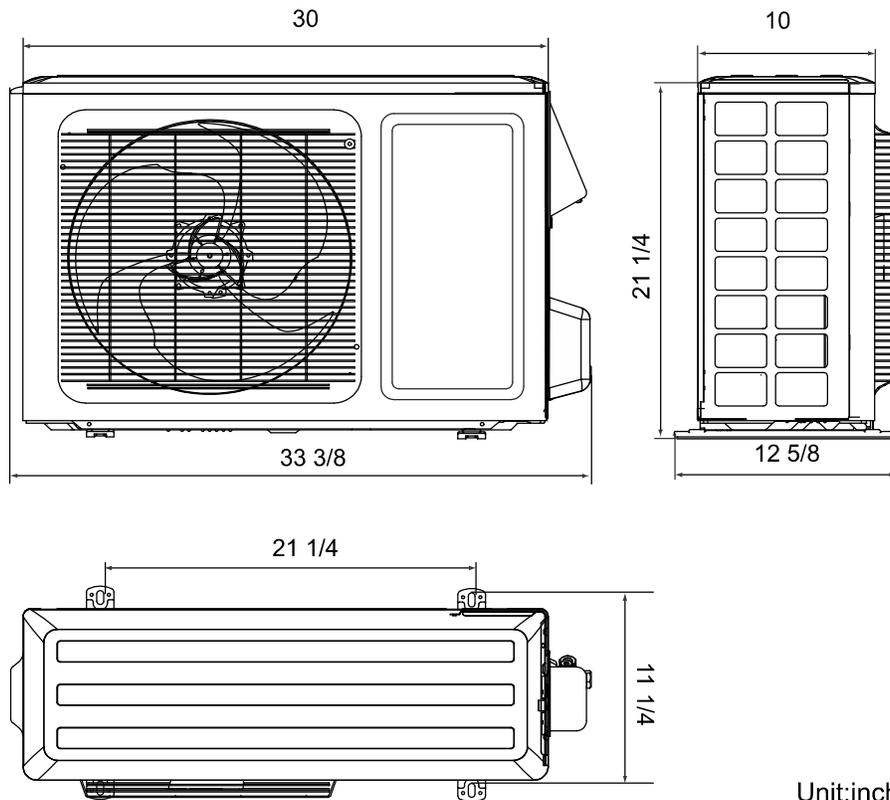
INDOOR UNIT DIMENSIONS



Unit: Inch



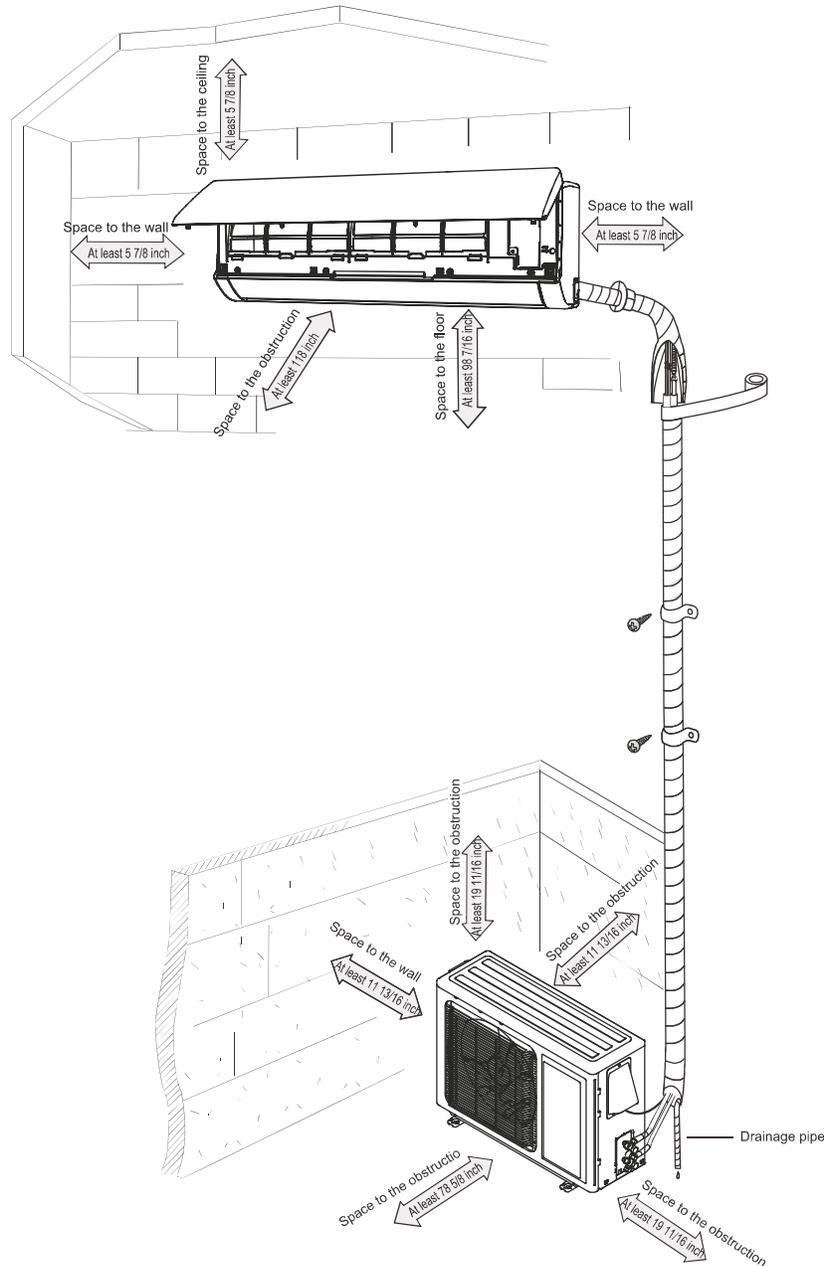
OUTDOOR UNIT DIMENSIONS



Unit:inch



INSTALLATION DIAGRAM



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