



SINGLE ZONE WALL MOUNTED HEAT PUMP SYSTEM

TW09HQ1C2A		
Indoor Unit		TW09HQ1C2AI
Outdoor Unit		TW09HQ1C2AO
Performance		
Cooling Rated Capacity	Btu/h	9,000
Cooling Cap. Range Min-Max	Btu/h	2,764~10,918
SEER/EER		16.0/10.06
Heating Rated Capacity(47°F)	Btu/h	9,600
Heating Rated Capacity(17°F)	Btu/h	5,400
Heating Cap. Range Min-Max	Btu/h	2,081~12,263
HSPF/COP		9.0/3.3
Electrical		
Voltage, Phase, Cycle	V-Ph-Hz	115-1-60
Voltage Range	V	103~127
MCA	A	17.0
MOP	A	25
Compressor RLA	A	12.6
Fan Motor FLA	A	0.24
Cooling Power Input	W	895
Heating Power Input	W	853
Piping		
Pipe Length Min-Max	ft	10~49
Piping Lift	ft	33
Liquid Line	in	1/4
Vapor Line	in	3/8
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 Tpye		R410A
Pre-Charge	oz	24.7
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 (Cooling Min/Max)	dB(A)	28/42
IDU Sound Pressure (Heating Min/Max)	dB(A)	28/42
IDU Airflow (Cooling Min/Max)	cfm	171/318
IDU Airflow (Heating Min/Max)	cfm	171/318
Dehumidification	pts/hr	1.7



Job Name:		Date:	
Reference #:			
Signature:			

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Features	
Inverter Type	G10
Ultra Low Frequency Torque Control	Standard
Power Factor Correction	Standard
Compressor Type	High Eff. Rotary
Refrigerant Type	R410A
Basepan With Electric Heater	Standard
Compressor With Electric Heater	Standard
Outdoor Fin Coating	Blue Fin
Intelligent Defrosting	Standard
Intelligent Preheating	Standard
Low Voltage Startup	Standard
Memory/Power Failure Recovery	Standard
Self Diagnosis	Standard
Wired Controller Interface (XK-41)	Standard
Wi-Fi Interface Capable	Optional
Indoor Fan Type	Crossflow
Multi Fan Speeds	4 Speeds
Indoor Unit Display	Standard
Advance Filter	Optional
Auxiliary Electrical Heater	Not Available
Ventilation (Outdoor Air)	Not Available

Remote Controller Functions	
Auto Mode	Standard
Auto Fan	Standard
Auto Swing - Horizontal	Not Available
Auto Swing - Vertical	Standard
Clock on Remote Controller	Standard
Dry Mode	Standard
Dry Anti-Mildew (X-Fan) Mode	Not Available
Energy Saving Mode	Standard
Dirty Filter Alert	Not Available
I Feel Function	Standard
Lock on Remote Controller	Standard
Quiet Mode	Not Available
Room Temperature Display	Standard
Sleep Mode	Standard
4 Sleep Modes Options	Not Available
Timer Mode	Standard
Turbo Mode	Standard
Display On/Off Control	Standard
Freeze Guard Mode	Standard



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
0°F	5,669	4,446	5,990	4,695	6,716	5,268	6,939	5,443
5°F	5,742	4,503	6,066	4,756	6,846	5,369	7,074	5,548
14°F	5,889	4,619	6,219	4,877	7,107	5,573	7,344	5,759
23°F	6,291	4,935	6,729	5,278	7,710	6,047	7,967	6,249
32°F	7,629	5,983	8,160	6,400	8,937	7,007	9,235	7,241
41°F	8,640	6,776	9,180	7,199	9,810	7,694	10,137	7,951
50°F	8,538	6,697	9,081	7,123	9,720	7,624	10,044	7,878
59°F	8,328	6,530	8,868	6,956	9,630	7,554	9,951	7,806
68°F	8,118	6,366	8,658	6,792	9,450	7,412	9,765	7,659
77°F	7,911	6,205	8,448	6,624	9,270	7,272	9,579	7,514
86°F	7,683	6,026	8,220	6,445	9,000	7,059	9,300	7,294
95°F	7,497	5,880	8,031	6,299	8,883	6,968	9,179	7,200
104°F	7,311	5,734	7,845	6,153	8,766	6,877	9,058	7,106
113°F	6,936	5,439	7,470	5,859	8,394	6,582	8,674	6,801
115°F	6,915	5,423	7,440	5,835	8,361	6,557	8,640	6,775

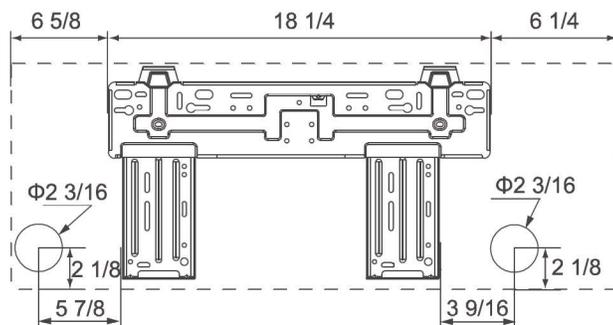
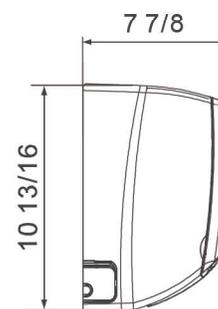
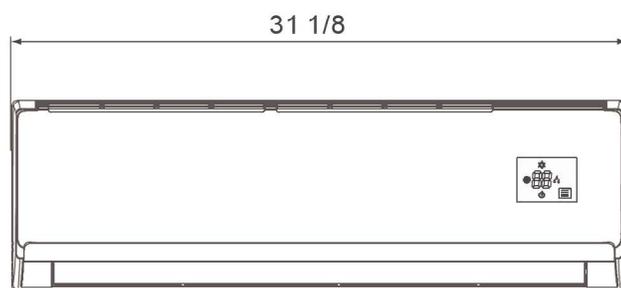
HEATING PERFORMANCE*								
Outdoor Ambient DB	Indoor Ambient Temperature							
	68°F DB		73°F DB		80°F DB		86°F DB	
	57°F WB		61°F WB		67°F WB		72°F WB	
	TC	SHC	TC	SHC	TC	SHC	TC	SHC
-4°F	5,037	5,037	4,989	4,989	4,905	4,905	4,707	4,707
0°F	5,457	5,457	5,406	5,406	5,316	5,316	5,097	5,097
6°F	5,757	5,757	5,703	5,703	5,607	5,607	5,376	5,376
10°F	5,997	5,997	5,940	5,940	5,841	5,841	5,601	5,601
16°F	6,177	6,177	6,120	6,120	6,018	6,018	5,769	5,769
19°F	6,300	6,300	6,237	6,237	6,135	6,135	5,880	5,880
24°F	6,999	6,999	6,939	6,939	6,834	6,834	6,582	6,582
32°F	7,815	7,815	7,755	7,755	7,650	7,650	7,398	7,398
41°F	8,748	8,748	8,688	8,688	8,586	8,586	8,331	8,331
43°F	8,982	8,982	8,922	8,922	8,817	8,817	8,565	8,565
47°F	9,795	9,795	9,696	9,696	9,528	9,528	9,114	9,114
53°F	9,894	9,894	9,792	9,792	9,621	9,621	9,204	9,204
59°F	10,119	10,119	10,017	10,017	9,840	9,840	9,414	9,414
64°F	10,335	10,335	10,230	10,230	10,050	10,050	9,615	9,615
70°F	10,530	10,530	10,422	10,422	10,242	10,242	9,798	9,798
75°F	10,677	10,677	10,569	10,569	10,383	10,383	9,933	9,933

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

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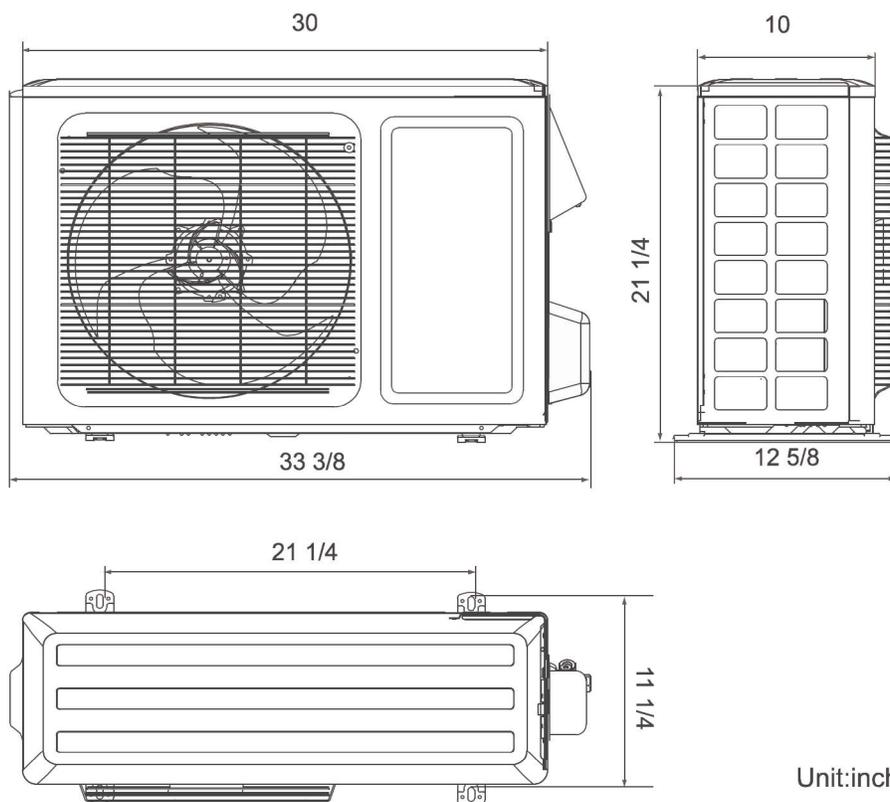
INDOOR UNIT DIMENSIONS



Unit:inch

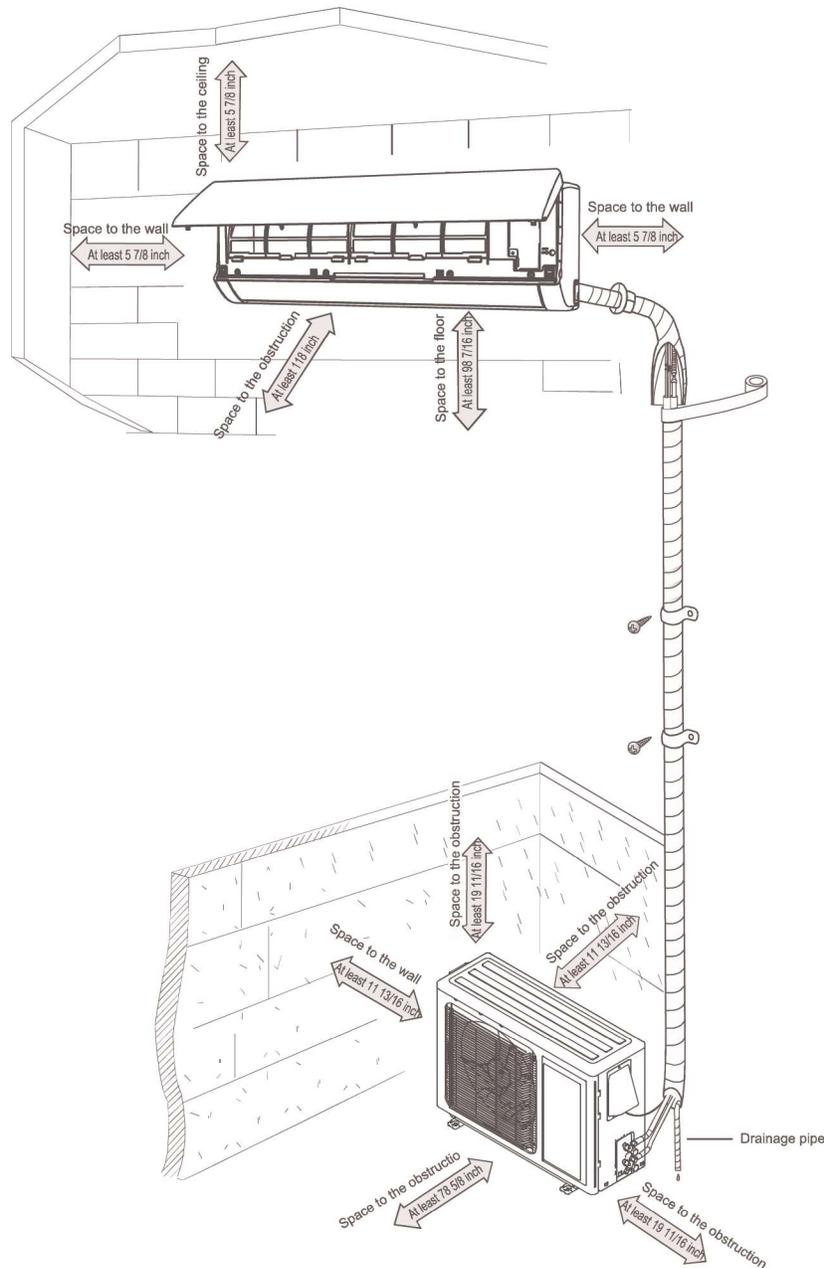


OUTDOOR UNIT DIMENSIONS





INSTALLATION DIAGRAM



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