



SINGLE ZONE WALL MOUNTED HEAT PUMP SYSTEM

TW12HQ1C2D		
Indoor Unit		TW12HQ1C2DI
Outdoor Unit		TW12HQ1C2DO
Performance		
Cooling Rated Capacity	Btu/h	12,000
Cooling Cap. Range Min-Max	Btu/h	3,753~12,500
SEER/EER		16.0/9.25
Heating Rated Capacity(47°F)	Btu/h	13,000
Heating Rated Capacity(17°F)	Btu/h	7,700
Heating Cap. Range Min-Max	Btu/h	3,924~14,000
HSPF/COP		9.0/3.1
Electrical		
Voltage, Phase, Cycle	V-Ph-Hz	208/230-1-60
Voltage Range	V	187~253
MCA	A	9.0
MOP	A	15
Compressor RLA	A	6.6
Fan Motor FLA	A	0.36
Cooling Power Input	W	1,300
Heating Power Input	W	1,250
Piping		
Pipe Length Min-Max	ft	10~66
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 Type		R410A
Pre-Charge	oz	30.0
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)	29/45
IDU Sound Pressure (Heating Min/Max)	dB(A)	29/45
IDU Airflow (Cooling Min/Max)	cfm	194/400
IDU Airflow (Heating Min/Max)	cfm	194/400
Dehumidification	pts/hr	2.96



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



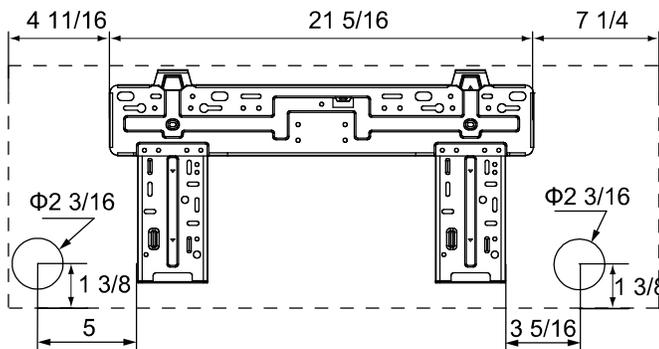
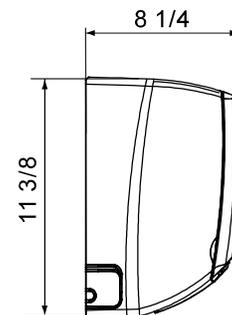
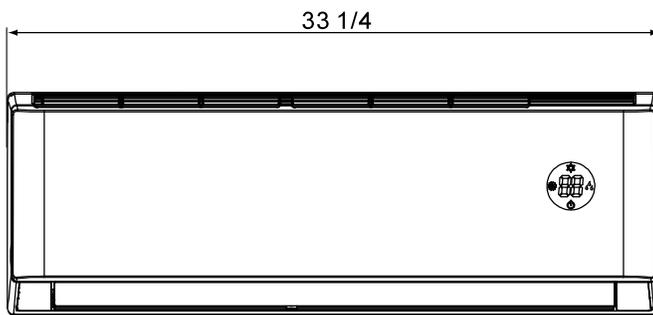
COOLING PERFORMANCE*								
Outdoor Ambient DB	Indoor Ambient Temperature							
	68°F DB		73°F DB		80°F DB		82°F DB	
	57°F WB		61°F WB		67°F WB		68°F WB	
	TC	SHC	TC	SHC	TC	SHC	TC	SHC
0°F	7,558	5,928	7,986	6,260	8,954	7,024	9,327	7,316
5°F	7,656	6,005	8,088	6,341	9,128	7,159	9,508	7,458
14°F	7,852	6,159	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
115°F	9,220	7,231	9,920	7,780	11,148	8,742	11,613	9,106
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	6,821	6,821	6,756	6,756	6,642	6,642	6,374	6,374
0°F	7,390	7,390	7,321	7,321	7,199	7,199	6,902	6,902
6°F	7,796	7,796	7,723	7,723	7,593	7,593	7,280	7,280
10°F	8,121	8,121	8,044	8,044	7,910	7,910	7,585	7,585
16°F	8,365	8,365	8,288	8,288	8,149	8,149	7,812	7,812
19°F	8,531	8,531	8,446	8,446	8,308	8,308	7,963	7,963
24°F	9,478	9,478	9,397	9,397	9,254	9,254	8,913	8,913
32°F	10,583	10,583	10,502	10,502	10,359	10,359	10,018	10,018
41°F	11,846	11,846	11,765	11,765	11,627	11,627	11,282	11,282
43°F	12,163	12,163	12,082	12,082	11,940	11,940	11,598	11,598
47°F	13,264	13,264	13,130	13,130	12,903	12,903	12,342	12,342
53°F	13,398	13,398	13,260	13,260	13,028	13,028	12,464	12,464
59°F	13,703	13,703	13,565	13,565	13,325	13,325	12,748	12,748
64°F	13,995	13,995	13,853	13,853	13,609	13,609	13,020	13,020
70°F	14,259	14,259	14,113	14,113	13,869	13,869	13,268	13,268
75°F	14,458	14,458	14,312	14,312	14,060	14,060	13,451	13,451

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

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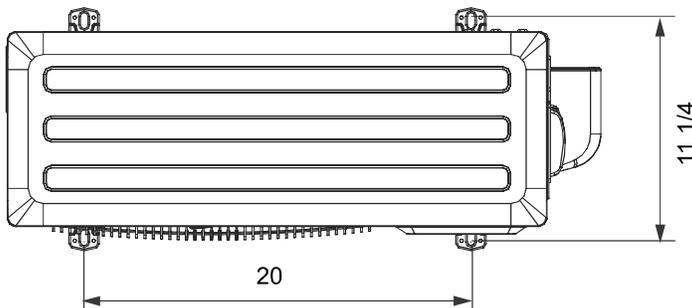
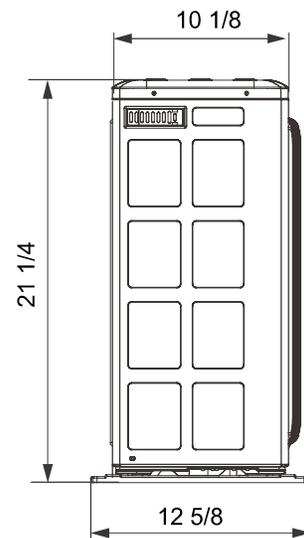
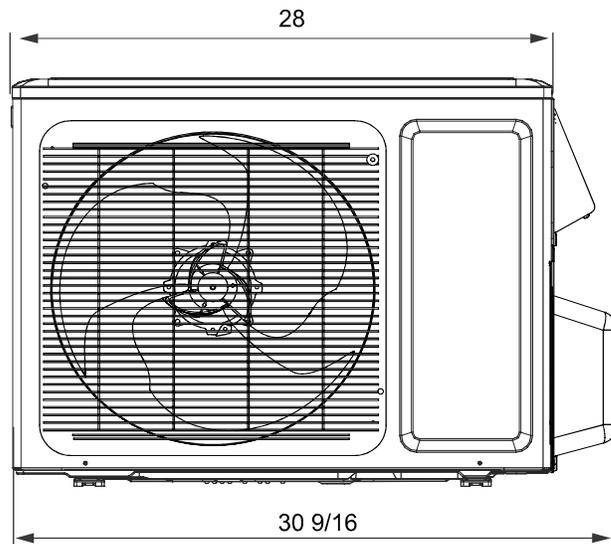


INDOOR UNIT DIMENSIONS



Unit: Inch

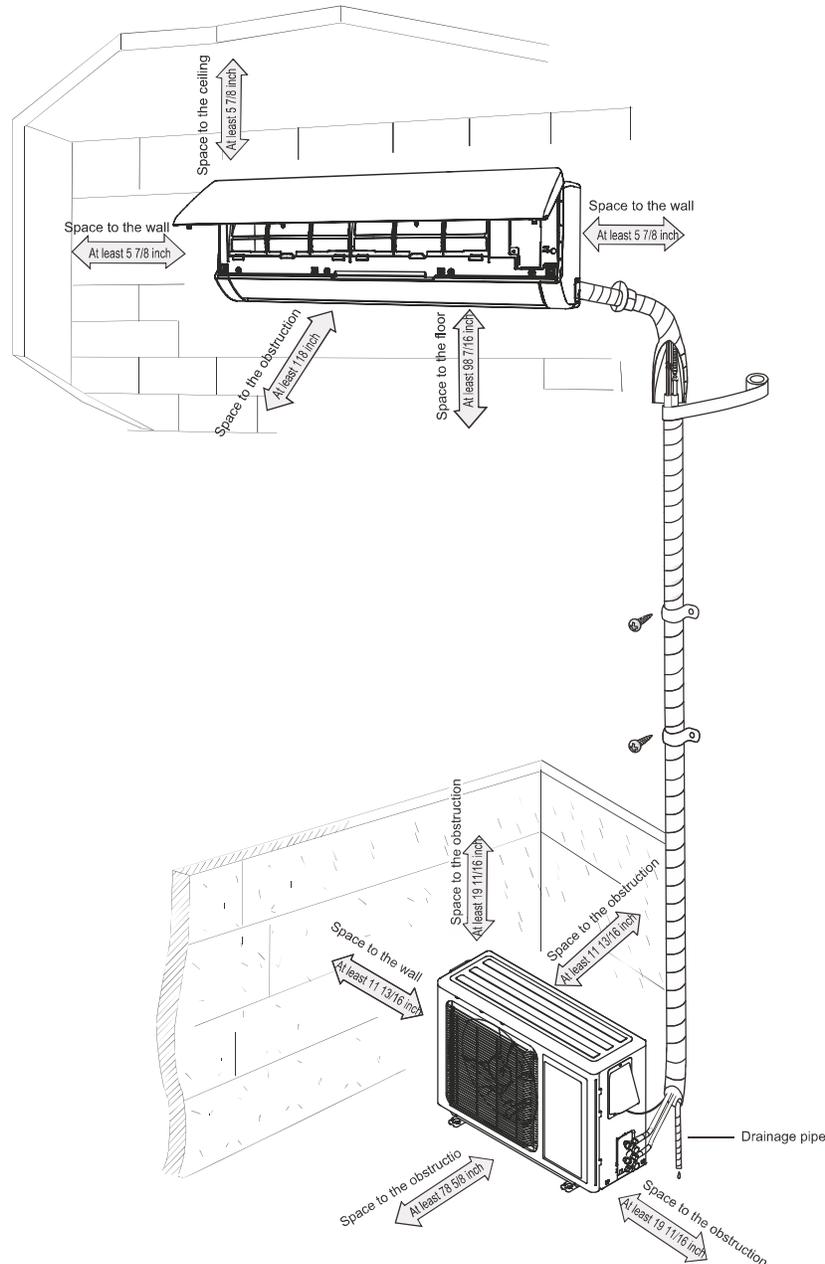
OUTDOOR UNIT DIMENSIONS



Unit: Inch



INSTALLATION DIAGRAM



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