



**SINGLE ZONE WALL MOUNTED HEAT PUMP SYSTEM**

<b>TW18HQ1C2D</b>		
Indoor Unit		TW18HQ1C2DI
Outdoor Unit		TW18HQ1C2DO
<b>Performance</b>		
Cooling Rated Capacity	Btu/h	18,000
Cooling Cap. Range Min-Max	Btu/h	7,165~20,001
SEER/EER		16.0/9.38
Heating Rated Capacity(47°F)	Btu/h	19,000
Heating Rated Capacity(17°F)	Btu/h	12,000
Heating Cap. Range Min-Max	Btu/h	7,336~23,498
HSPF/COP		9.0/2.8
<b>Electrical</b>		
Voltage, Phase, Cycle	V-Ph-Hz	208/230-1-60
Voltage Range	V	187~253
MCA	A	16.0
MOP	A	25
Compressor RLA	A	12.1
Fan Motor FLA	A	0.52
Cooling Power Input	W	1,920
Heating Power Input	W	2,000
<b>Piping</b>		
Pipe Length Min-Max	ft	10~82
Piping Lift	ft	33
Liquid Line	in	1/4
Vapor Line	in	1/2
Connection Type		Flare



<b>Operating Range</b>		
Cooling Outdoor DB	°F	0~115
Heating Outdoor DB	°F	-4~75
<b>System Data</b>		
Compressor Type		DC Inverter Rotary
Refrigerant Tpye		R410A
Pre-Charge	oz	49.4
Pre-Charge Length	ft	25
Additional Charge	oz/ft	0.2
Refrigerant Control		EXV
ODU Sound Pressure (Cooling/Heating)	dB(A)	56/56
IDU Sound Pressure (Cooling Min/Max)	dB(A)	35/46
IDU Sound Pressure (Heating Min/Max)	dB(A)	35/46
IDU Airflow (Cooling Min/Max)	cfm	282/471
IDU Airflow (Heating Min/Max)	cfm	282/471
Dehumidification	pts/hr	3.80



Job Name:		Date:	
Reference #:			
Signature:			

**TOSOT NORTH AMERICA**  
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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



<b>COOLING PERFORMANCE*</b>								
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	9,302	7,296	9,827	7,704	11,091	8,699	11,423	8,910
5°F	10,111	7,930	10,682	8,374	12,055	9,455	12,417	9,685
14°F	11,729	9,199	12,391	9,714	13,984	10,968	14,404	11,235
23°F	12,850	10,080	13,745	10,782	15,749	12,352	16,221	12,653
32°F	13,332	10,458	14,260	11,186	16,339	12,815	16,830	13,127
41°F	13,832	10,850	14,795	11,605	16,952	13,296	17,461	13,619
50°F	14,351	11,257	15,350	12,041	17,588	13,794	18,115	14,130
59°F	15,583	12,222	16,668	13,072	18,255	14,314	18,803	14,666
68°F	17,649	13,842	18,752	14,705	20,038	15,716	20,640	16,099
77°F	17,440	13,680	18,549	14,549	19,855	15,574	20,450	15,951
86°F	16,582	13,004	17,685	13,873	19,303	15,139	19,882	15,508
95°F	15,694	12,309	16,025	12,569	18,384	14,419	18,935	14,770
104°F	14,934	11,713	15,259	11,967	17,056	14,047	17,567	13,702
113°F	14,168	11,111	14,707	11,533	15,833	13,445	16,308	12,720
115°F	14,126	11,078	14,768	11,581	15,787	13,393	16,261	12,683

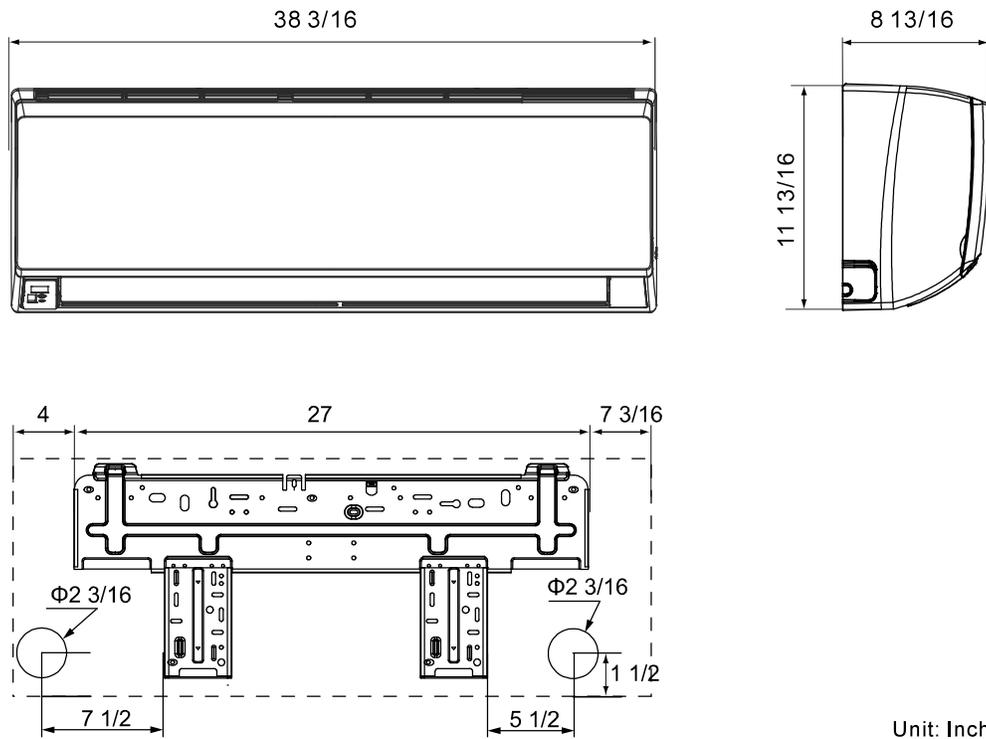
<b>HEATING PERFORMANCE*</b>								
Outdoor Ambient DB	Indoor Ambient Temperature							
	68°F DB		73°F DB		80°F DB		86°F DB	
	57°F WB		61°F WB		67°F WB		72°F WB	
	TC	SHC	TC	SHC	TC	SHC	TC	SHC
-4°F	10,146	10,146	9,975	9,975	9,776	9,776	9,572	9,572
0°F	10,994	10,994	10,811	10,811	10,596	10,596	10,365	10,365
6°F	11,598	11,598	11,402	11,402	11,176	11,176	10,933	10,933
10°F	12,080	12,080	11,878	11,878	11,642	11,642	11,390	11,390
16°F	12,446	12,446	12,238	12,238	11,995	11,995	11,732	11,732
19°F	12,684	12,684	12,476	12,476	12,228	12,228	11,958	11,958
24°F	14,111	14,111	13,898	13,898	13,621	13,621	13,385	13,385
32°F	15,771	15,771	15,557	15,557	15,248	15,248	15,045	15,045
41°F	17,668	17,668	17,461	17,461	17,113	17,113	16,942	16,942
43°F	18,144	18,144	17,930	17,930	17,574	17,574	17,418	17,418
47°F	19,718	19,718	19,376	19,376	18,991	18,991	18,534	18,534
53°F	19,913	19,913	19,565	19,565	19,176	19,176	18,717	18,717
59°F	20,371	20,371	20,011	20,011	19,613	19,613	19,144	19,144
64°F	20,804	20,804	20,438	20,438	20,031	20,031	19,553	19,553
70°F	21,194	21,194	20,828	20,828	20,414	20,414	19,925	19,925
75°F	21,493	21,493	21,115	21,115	20,695	20,695	20,200	20,200

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

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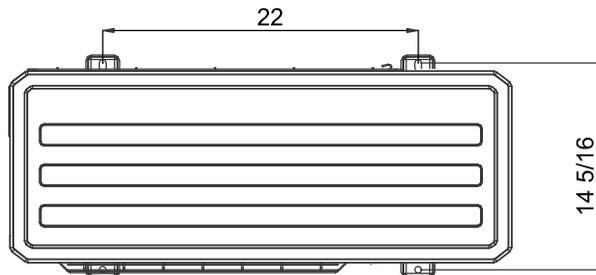
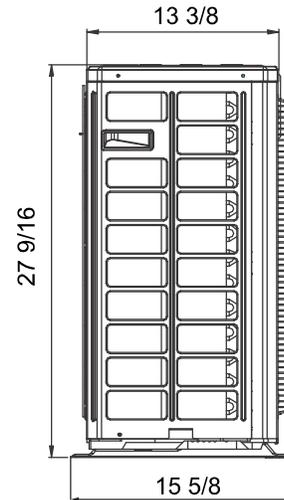
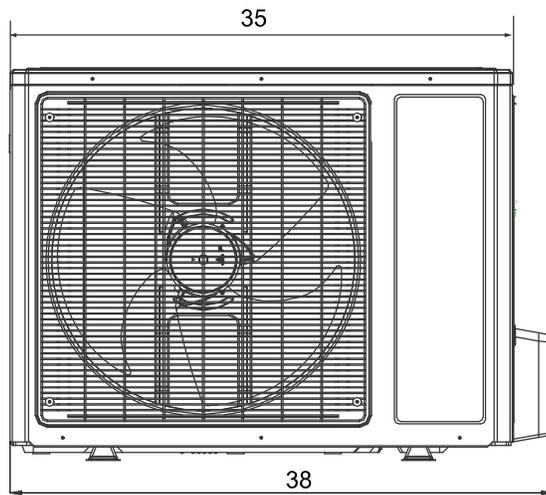
**INDOOR UNIT DIMENSIONS**



Unit: Inch



**OUTDOOR UNIT DIMENSIONS**



Unit: Inch



INSTALLATION DIAGRAM

