



SINGLE ZONE WALL MOUNTED HEAT PUMP SYSTEM

TW30HQ2B4D		
Indoor Unit		TW30HQ2B4DI
Outdoor Unit		TW30HQ2B4DO
Performance		
Cooling Rated Capacity	Btu/h	28,000
Cooling Cap. Range Min-Max	Btu/h	9,485~30,026
SEER/EER		18.0/10.4
Heating Rated Capacity(47°F)	Btu/h	28,400
Heating Rated Capacity(17°F)	Btu/h	19,200
Heating Cap. Range Min-Max	Btu/h	9,997~32,994
HSPF/COP		9.0/3.0
Electrical		
Voltage, Phase, Cycle	V-Ph-Hz	208/230-1-60
Voltage Range	V	187~253
MCA	A	20.0
MOP	A	30
Compressor RLA	A	13.5
Fan Motor FLA	A	0.4
Cooling Power Input	W	3,900
Heating Power Input	W	4,000
Piping		
Pipe Length Min-Max	ft	10~98
Piping Lift	ft	33
Liquid Line	in	1/4
Vapor Line	in	5/8
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	84.7
Pre-Charge Length	ft	25
Additional Charge	oz/ft	0.54
Refrigerant Control		EXV
ODU Sound Pressure (Cooling/Heating)	dB(A)	62/62
IDU Sound Pressure (Cooling Min/Max)	dB(A)	37/51
IDU Sound Pressure (Heating Min/Max)	dB(A)	37/51
IDU Airflow (Cooling Min/Max)	cfm	412/706
IDU Airflow (Heating Min/Max)	cfm	412/706
Dehumidification	pts/hr	6.34



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	16,626	13,039	17,564	13,770	19,822	15,547	20,120	15,780
14°F	18,288	14,343	19,320	15,147	21,805	17,102	22,132	17,358
23°F	20,037	15,718	21,432	16,811	24,556	19,260	25,047	19,549
32°F	20,838	16,346	22,289	17,484	25,539	20,030	26,049	20,331
41°F	21,672	17,000	23,181	18,183	26,560	20,832	27,091	21,144
50°F	22,539	17,680	24,108	18,910	27,623	21,665	28,175	21,990
59°F	24,298	19,057	25,990	20,383	28,464	22,318	29,034	22,653
68°F	27,518	21,583	29,238	22,928	31,245	24,506	31,870	24,873
77°F	27,194	21,331	28,923	22,686	30,958	24,283	31,577	24,647
86°F	25,856	20,276	27,576	21,631	30,098	23,606	30,700	23,960
95°F	24,470	19,192	26,181	20,528	28,665	22,483	29,238	22,820
104°F	23,286	18,263	24,986	19,599	27,920	21,902	28,478	22,231
113°F	22,091	17,324	23,792	18,660	26,735	20,963	27,270	21,278

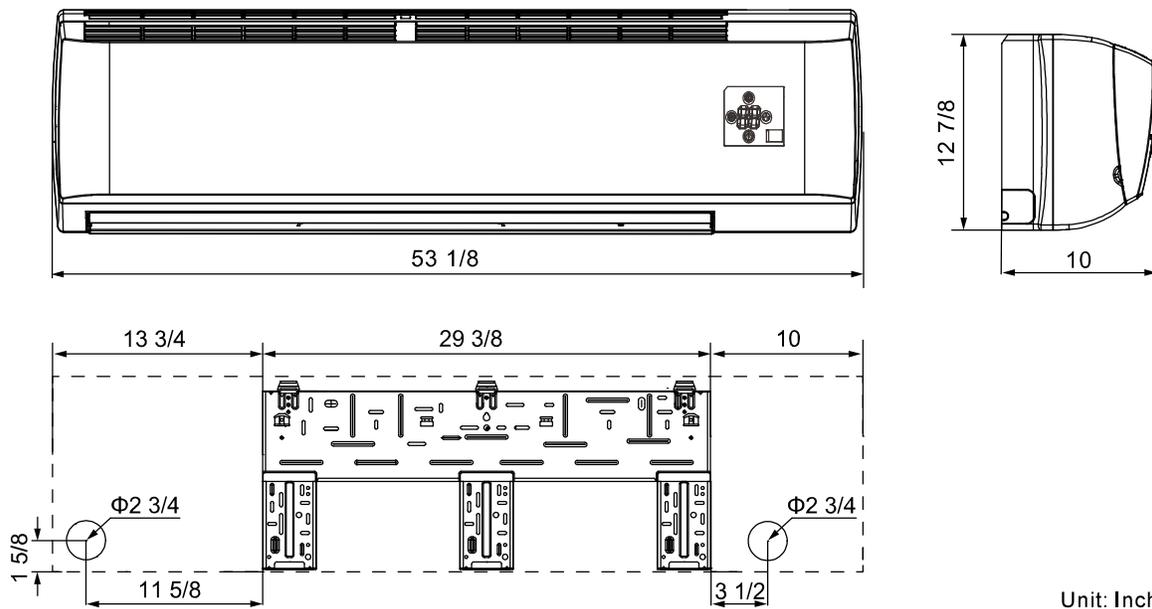
HEATING PERFORMANCE*								
Outdoor Ambient DB	Indoor Ambient Temperature							
	68°F DB		73°F DB		80°F DB		86°F DB	
	57°F WB		61°F WB		67°F WB		72°F WB	
	TC	SHC	TC	SHC	TC	SHC	TC	SHC
-4°F	15,986	15,986	15,717	15,717	15,259	15,259	15,083	15,083
0°F	17,322	17,322	17,034	17,034	17,178	17,178	16,332	16,332
6°F	18,274	18,274	17,966	17,966	18,126	18,126	17,226	17,226
10°F	19,033	19,033	18,716	18,716	18,878	18,878	17,947	17,947
16°F	19,610	19,610	19,283	19,283	19,441	19,441	18,485	18,485
19°F	19,985	19,985	19,658	19,658	19,816	19,816	18,841	18,841
24°F	22,234	22,234	21,898	21,898	22,129	22,129	21,091	21,091
32°F	24,849	24,849	24,513	24,513	24,817	24,817	23,705	23,705
41°F	27,839	27,839	27,512	27,512	27,891	27,891	26,695	26,695
43°F	28,589	28,589	28,252	28,252	28,662	28,662	27,445	27,445
47°F	31,069	31,069	30,530	30,530	30,757	30,757	29,204	29,204
53°F	31,376	31,376	30,828	30,828	31,064	31,064	29,492	29,492
59°F	32,097	32,097	31,530	31,530	31,766	31,766	30,165	30,165
64°F	32,780	32,780	32,203	32,203	32,448	32,448	30,809	30,809
70°F	33,395	33,395	32,818	32,818	33,060	33,060	31,395	31,395
75°F	33,866	33,866	33,270	33,270	33,525	33,525	31,828	31,828

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

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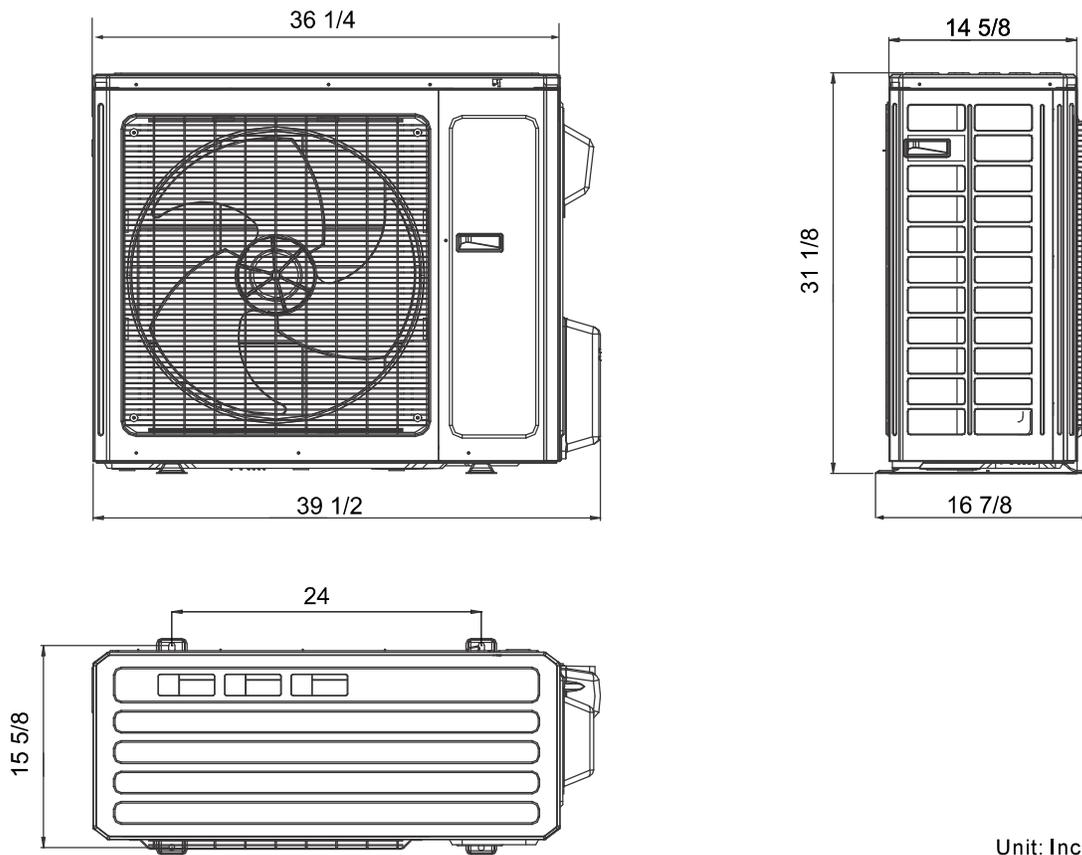


INDOOR UNIT DIMENSIONS



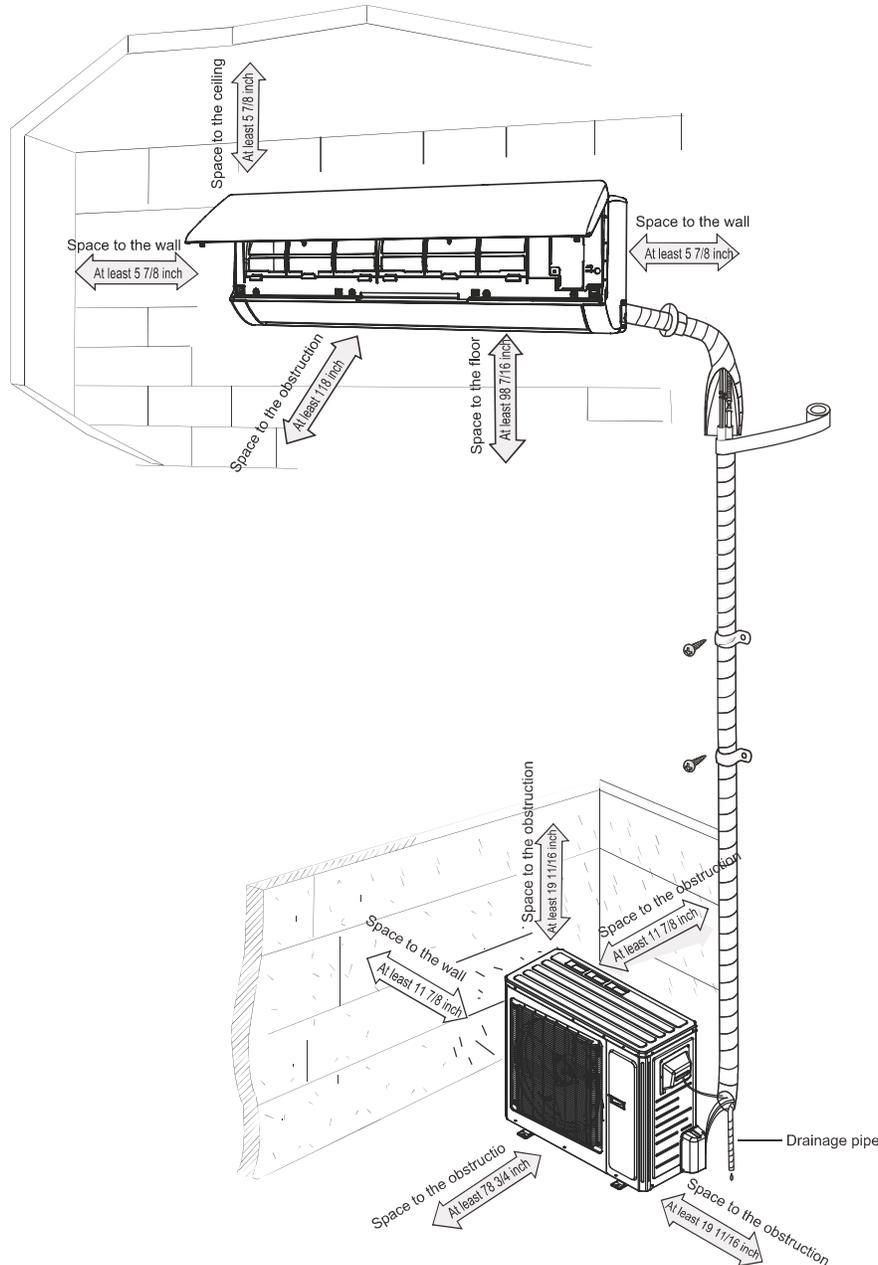
Unit: Inch

OUTDOOR UNIT DIMENSIONS





INSTALLATION DIAGRAM



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