

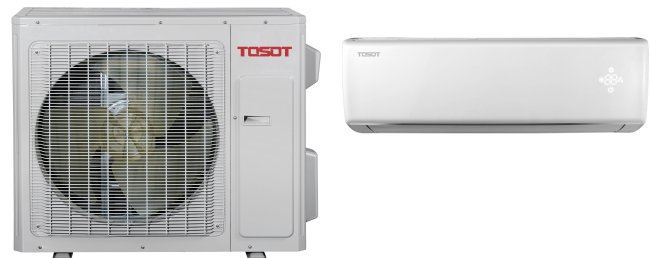
Submittal Data: TW09HQ1C2D

9,000 BTU/H (208/230V) Wall Mounted Heat Pump System

Job Name	Location	Date
Purchaser	Engineer	
Submitted To	For	☐ Reference ☐ Approval ☐ Construction
Unit Designation	Schedule No.	

GENERAL FEATURES

- High Efficiency DC Inverter Technology
- Compact and Quiet Design
- Wireless Remote with LCD Display
- Wi-Fi Ready (Sold Separately Kit PN: WSBE02)
- XK41 Wired Prog. Controller (Sold Separately)
- Low Ambient Cool to 0 deg F
- Blue Fin Condenser Coil
- 5 year Limited Parts Warranty, 7 year Limited Compressor Warranty



System Ratings			Indoor Unit Data		
Cooling			Fan Motor	Type	Cross-Flow
Rated Capacity	9,000 BTU/H			Output Power	20 W
Capacity Range	3,100-9,600 BTU/H			FLA	0.2 A
Power Input (Max)	900 W		Airflow		
SEER	16.0		Cooling	Wet (Lo/Hi)	171/318 CFM
EER	10.0		Heating	Dry (Lo/Hi)	171/318 CFM
Heating at 47° F			Sound Pressure Level		
Rated Capacity	9,500 BTU/H		Cooling (Min/Max)		28/43 db(A)
Capacity Range	3,100-12,000 BTU/H		Heating (Min/Max)		28/43 db(A)
Power Input (Max)	800 W		Dehumidification		
HSPF	9.0		1.69 pt/hr		
COP	3.5				
Heating at 17° F					
Rated Capacity	5,600 BTU/H				
Operating Range					
Cooling	(Max)	115°F (46 C)			
	(Min)	0°F (-18 C)			
Heating	(Max)	75°F (24 C)			
	(Min)	-4°F (-20 C)			
Refrigerant Piping Data					
Gas Pipe Size (OD)	3/8-in		Outdoor Unit Data		
Liquid Pipe Size (OD)	1/4-in		Compressor	Type	DC Inverter Driven Rotary
Connection Method	Flared			RLA	6.6 A
Factory Charge	24.7 oz		Refrigerant Type		R410A
Additional Charge	0.2 oz/ft		Fan Motor	Output Power	30 W
Pre-Charge Length	25-ft			FLA	0.37 A
MAX Refrigerant Pipe Length	49-ft		Sound Pressure		
MIN Refrigerant Pipe Length	10-ft		Cooling/Heating		52/52 db(A)
MAX Refrigerant Pipe Elevation	33-ft		Electrical Data		
			Power Supply		
			Normal Operational Voltage		208/230 V, 1 Phase, 60 Hz
			Voltage Range		187 - 253 V
			MCA		9.0 A
			MOCP/Breaker Size		15 A
			Main Power Wire Size		14-2 AWG



Features & Function Summary

SYSTEM FEATURES	
Inverter Type	G10
Ultra Low Frequency Torque Control	Yes
Power Factor Correction	Yes
Compressor Type	High Eff. Rotary
Refrigerant Type	R410A
Basepan With Electric Heater	YES
Compressor With Electric Heater	YES
Outdoor Fin Coating	Blue Fin
Intelligent Defrosting	YES
Intelligent Preheating	YES
Low Voltage Startup	YES
Memory/Power Failure Recovery	YES
Self Diagnosis	YES
Wired Controller Interface (XK-41)	YES
Wi-Fi Interface Capable	Optional (see PN: WSBEC01)
Indoor Fan Type	Crossflow
Multi Fan Speeds	4 Speeds
Indoor Unit Display	YES
Advance Filter	Optional (see Filter Kits)
Auxiliary Electrical Heater	NO
Ventilation (Outdoor Air)	NO

REMOTE CONTROLLER FUNCTIONS	
Auto Mode	YES
Auto Fan	YES
Auto Swing (Horizontal Auto Swing)	NO
Auto Swing (Vertical Auto Swing)	YES
Clock on Remote Controller	YES
Dry Mode	YES
Dry Anti-Mildew (X-Fan) Mode	NO
Energy Saving Mode	YES
Dirty Filter Alert	NO
I Feel Function	YES
Lock on Remote Controller	YES
Quiet Mode	NO
Room Temperature Display	YES
Sleep Mode	YES
4 Sleep Modes Options	NO
Timer Mode	YES
Turbo Mode	YES
Display On/Off Control	YES
Freeze Guard Mode	YES
Display On/Off Control	YES
Freeze Guard Mode	YES

EXTENDED RATINGS

COOLING PERFORMANCE (BtuH)*

Outdoor Ambient DB	Indoor Ambient Temperature							
	68F DB (20C)		73F DB (23C)		80F DB (27C)		82F DB (28C)	
	57F WB (14C)		61F WB (16C)		67F WB (19C)		68F WB (20C)	
	TC	SHC	TC	SHC	TC	SHC	TC	SHC
0°F	5,675	4,451	5,996	4,700	6,723	5,274	6,783	5,320
5°F	5,748	4,508	6,073	4,761	6,854	5,375	6,914	5,423
14°F	5,896	4,624	6,226	4,883	7,115	5,579	7,178	5,629
23°F	6,298	4,940	6,736	5,284	7,719	6,054	7,787	6,108
32°F	7,637	5,990	8,169	6,407	8,947	7,015	9,026	7,077
41°F	8,650	6,784	9,190	7,207	9,821	7,703	9,908	7,771
50°F	8,547	6,705	9,091	7,131	9,731	7,633	9,817	7,700
59°F	8,337	6,538	8,878	6,963	9,641	7,563	9,726	7,630
68°F	8,127	6,373	8,668	6,799	9,461	7,420	9,545	7,486
77°F	7,920	6,212	8,457	6,632	9,280	7,280	9,363	7,344
86°F	7,692	6,033	8,229	6,452	9,010	7,067	9,090	7,130
95°F	7,505	5,887	8,040	6,306	8,893	6,976	8,972	7,038
104°F	7,319	5,740	7,854	6,160	8,776	6,884	8,854	6,945
113°F	6,944	5,445	7,478	5,865	8,403	6,589	8,478	6,648
115°F	6,923	5,429	7,448	5,842	8,371	6,564	8,445	6,622

HEATING PERFORMANCE (BtuH)*

Outdoor Ambient DB	Indoor Ambient Temperature							
	68F DB (20C)		73F DB (23C)		80F DB (27C)		86F DB (30C)	
	57F WB (14C)		61F WB (16C)		67F WB (19C)		72F WB (22C)	
	TC	SHC	TC	SHC	TC	SHC	TC	SHC
-4°F	4,985	4,985	4,937	4,937	4,854	4,854	4,658	4,658
0°F	5,400	5,400	5,350	5,350	5,261	5,261	5,044	5,044
6°F	5,697	5,697	5,644	5,644	5,549	5,549	5,320	5,320
10°F	5,935	5,935	5,878	5,878	5,780	5,780	5,543	5,543
16°F	6,113	6,113	6,056	6,056	5,955	5,955	5,709	5,709
19°F	6,234	6,234	6,172	6,172	6,071	6,071	5,819	5,819
24°F	6,926	6,926	6,867	6,867	6,763	6,763	6,513	6,513
32°F	7,734	7,734	7,674	7,674	7,570	7,570	7,321	7,321
41°F	8,657	8,657	8,598	8,598	8,497	8,497	8,244	8,244
43°F	8,888	8,888	8,829	8,829	8,725	8,725	8,476	8,476
47°F	9,693	9,693	9,595	9,595	9,429	9,429	9,019	9,019
53°F	9,791	9,791	9,690	9,690	9,521	9,521	9,108	9,108
59°F	10,014	10,014	9,913	9,913	9,738	9,738	9,316	9,316
64°F	10,227	10,227	10,123	10,123	9,945	9,945	9,515	9,515
70°F	10,420	10,420	10,313	10,313	10,135	10,135	9,696	9,696
75°F	10,566	10,566	10,459	10,459	10,275	10,275	9,830	9,830

* Maximum system capacity

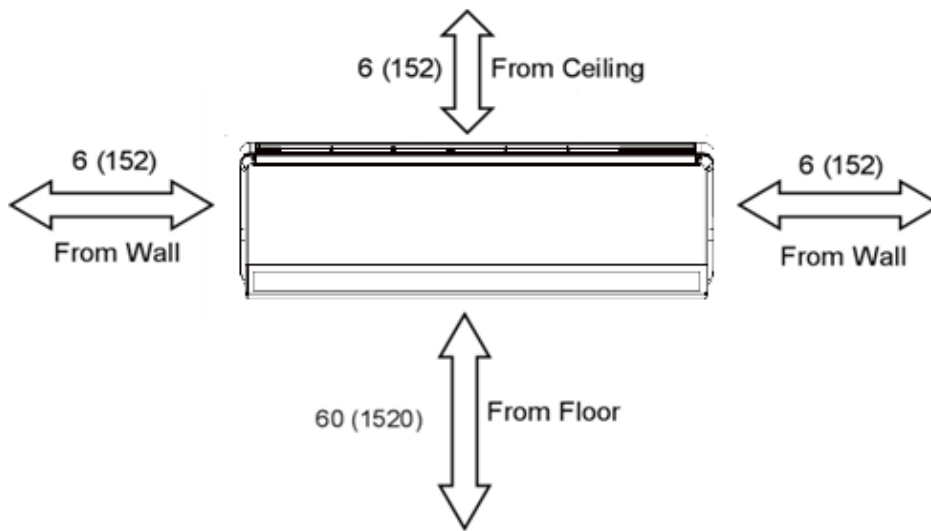
TC- Total Capacity (BtuH)
SHC- Sensible Capacity (BtuH)

DIMENSIONAL SPECIFICATIONS

MINIMUM SPACING REQUIREMENTS

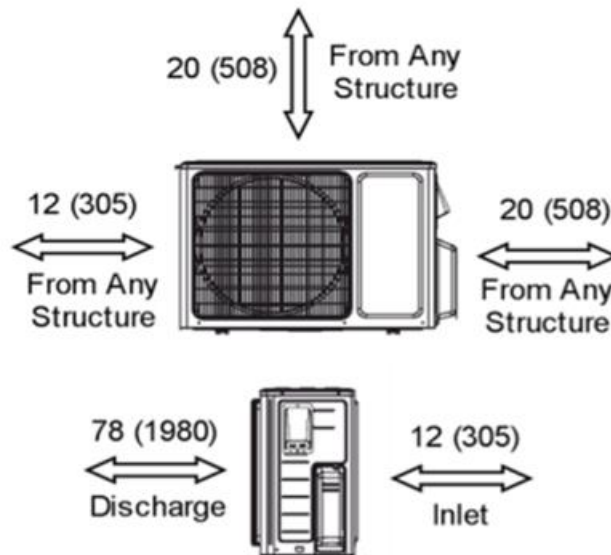
Units: inch (mm)

INDOOR



Units: inch (mm)

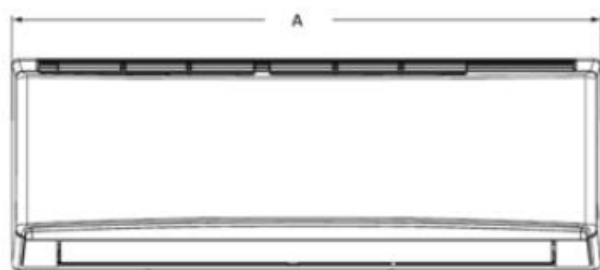
OUTDOOR



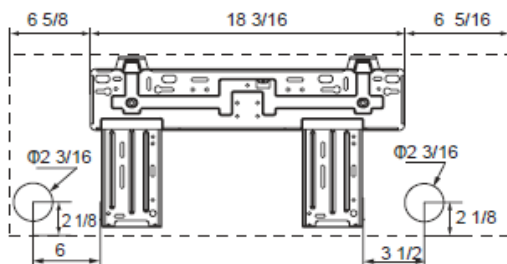
DIMENSIONAL SPECIFICATIONS

INDOOR UNIT DIMENSIONS

Units: inch



Dimensions	
A	31.1
B	10.8
C	7.9

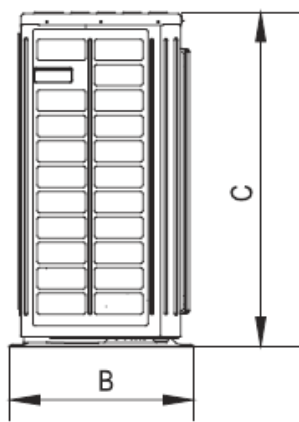
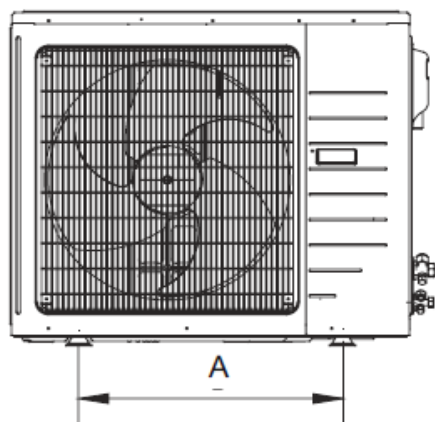


Weight (Net/Gross) 19.8/24.3 lbs

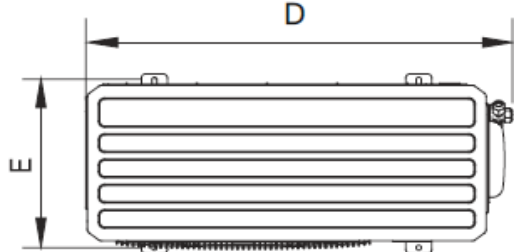
Liquid Line Valve	1/4-in OD Flared
Gas Line Valve	3/8-in OD Flared
Drain Connector	5/8-in OD

OUTDOOR UNIT DIMENSIONS

Units: inch



Dimensions	
A	20.0
B	12.6
C	21.3
D	33.6
E	11.3



Weight (Net/Gross) 66.2/71.7 lbs

Liquid Line Valve	1/4-in OD Flared
Gas Line Valve	3/8-in OD Flared

Notes:

1. Recommended Interconnecting Cable Type 14 AWG 4 Stranded Copper Conductors THHN 600V Wire
2. Power wiring cable size must comply with applicable national and local codes.
3. Test conditions are based on AHRI 210/240.

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Submittal Data: TW12HQ1C2D

12,000 BTU/H (208/230V) Wall Mounted Heat Pump System

Job Name	Location	Date
Purchaser	Engineer	
Submitted To	For	☐ Reference ☐ Approval ☐ Construction
Unit Designation	Schedule No.	

GENERAL FEATURES

- High Efficiency DC Inverter Technology
- Compact and Quiet Design
- Wireless Remote with LCD Display
- Wi-Fi Ready (Sold Separately Kit PN: WSBE02)
- XK41 Wired Prog. Controller (Sold Separately)
- Low Ambient Cool to 0 deg F
- Blue Fin Condenser Coil
- 5 year Limited Parts Warranty, 7 year Limited Compressor Warranty



System Ratings			Indoor Unit Data		
Cooling			Fan Motor	Type	Cross-Flow
Rated Capacity	12,000 BTU/H			Output Power	20 W
Capacity Range	3,753-12,500 BTU/H			FLA	0.3 A
Power Input (Max)	1,300 W		Airflow		
SEER	16.0		Cooling Wet (Lo/Hi)		194/400 CFM
EER	9.25		Heating Dry (Lo/Hi)		194/400 CFM
Heating at 47° F			Sound Pressure Level		
Rated Capacity	13,000 BTU/H		Cooling (Min/Max)		29/45 db(A)
Capacity Range	3,924-14,000 BTU/H		Heating (Min/Max)		29/45 db(A)
Power Input (Max)	1,250 W		Dehumidification		2.96 pt/hr
HSPF	9.0		Outdoor Unit Data		
COP	3.1		Compressor	Type	DC Inverter Driven Rotary
Heating at 17° F				RLA	6.6 A
Rated Capacity	8,100 BTU/H		Refrigerant Type		R410A
Operating Range			Fan Motor	Output Power	30 W
Cooling	(Max)	115°F (46 C)		FLA	0.37 A
	(Min)	0°F (-18 C)	Sound Pressure		
Heating	(Max)	75°F (24 C)	Cooling/Heating		53/53 db(A)
	(Min)	-4°F (-20 C)	Electrical Data		
Refrigerant Piping Data			Power Supply		
Gas Pipe Size (OD)	3/8-in		Normal Operational Voltage	208/230 V, 1 Phase, 60 Hz	
Liquid Pipe Size (OD)	1/4-in		Voltage Range	187 - 253 V	
Connection Method	Flared		MCA	9.0 A	
Factory Charge	30.0 oz		MOCP/Breaker Size	15 A	
Additional Charge	0.2 oz/ft		Main Power Wire Size	14-2 AWG	
Pre-Charge Length	25-ft				
MAX Refrigerant Pipe Length	66-ft				
MIN Refrigerant Pipe Length	10-ft				
MAX Refrigerant Pipe Elevation	33-ft				



Features & Function Summary

SYSTEM FEATURES	
Inverter Type	G10
Ultra Low Frequency Torque Control	Yes
Power Factor Correction	Yes
Compressor Type	High Eff. Rotary
Refrigerant Type	R410A
Basepan With Electric Heater	YES
Compressor With Electric Heater	YES
Outdoor Fin Coating	Blue Fin
Intelligent Defrosting	YES
Intelligent Preheating	YES
Low Voltage Startup	YES
Memory/Power Failure Recovery	YES
Self Diagnosis	YES
Wired Controller Interface (XK-41)	YES
Wi-Fi Interface Capable	Optional (see PN: WSBEC01)
Indoor Fan Type	Crossflow
Multi Fan Speeds	4 Speeds
Indoor Unit Display	YES
Advance Filter	Optional (see Filter Kits)
Auxiliary Electrical Heater	NO
Ventilation (Outdoor Air)	NO

REMOTE CONTROLLER FUNCTIONS	
Auto Mode	YES
Auto Fan	YES
Auto Swing (Horizontal Auto Swing)	NO
Auto Swing (Vertical Auto Swing)	YES
Clock on Remote Controller	YES
Dry Mode	YES
Dry Anti-Mildew (X-Fan) Mode	NO
Energy Saving Mode	YES
Dirty Filter Alert	NO
I Feel Function	YES
Lock on Remote Controller	YES
Quiet Mode	NO
Room Temperature Display	YES
Sleep Mode	YES
4 Sleep Modes Options	NO
Timer Mode	YES
Turbo Mode	YES
Display On/Off Control	YES
Freeze Guard Mode	YES
Display On/Off Control	YES
Freeze Guard Mode	YES

EXTENDED RATINGS

COOLING PERFORMANCE (BtuH)*

Outdoor Ambient DB	Indoor Ambient Temperature							
	68F DB (20C)		73F DB (23C)		80F DB (27C)		82F DB (28C)	
	57F WB (14C)		61F WB (16C)		67F WB (19C)		68F WB (20C)	
	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 (BtuH)*

Outdoor Ambient DB	Indoor Ambient Temperature							
	68F DB (20C)		73F DB (23C)		80F DB (27C)		86F DB (30C)	
	57F WB (14C)		61F WB (16C)		67F WB (19C)		72F WB (22C)	
	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 (BtuH)

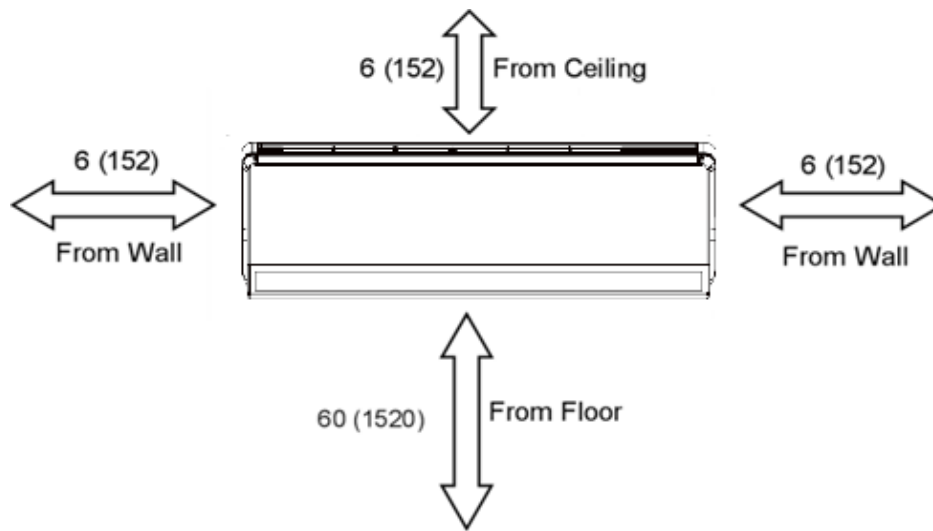
SHC- Sensible Capacity (BtuH)

DIMENSIONAL SPECIFICATIONS

MINIMUM SPACING REQUIREMENTS

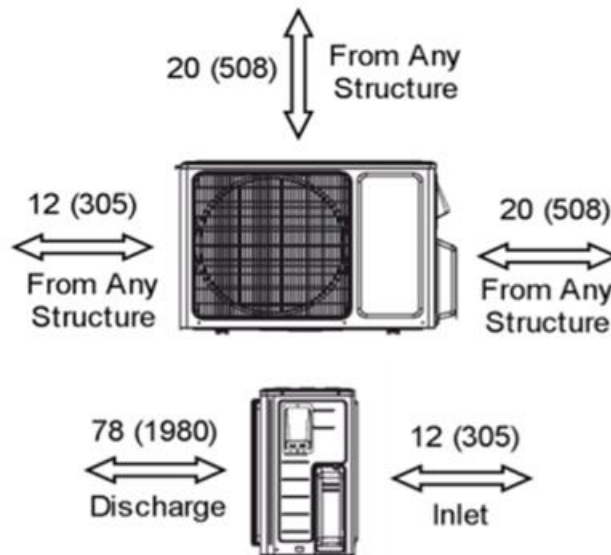
Units: inch (mm)

INDOOR



Units: inch (mm)

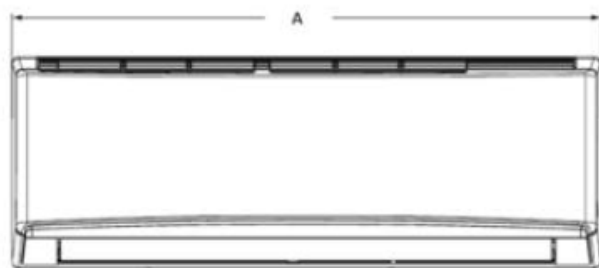
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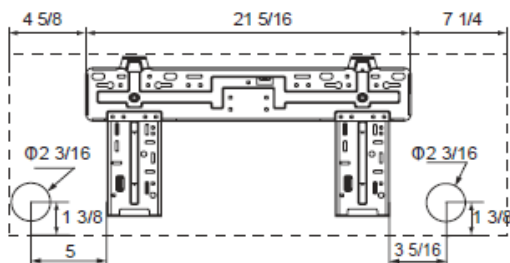
DIMENSIONAL SPECIFICATIONS

INDOOR UNIT DIMENSIONS

Units: inch



Dimensions	
A	33.3
B	11.4
C	8.3

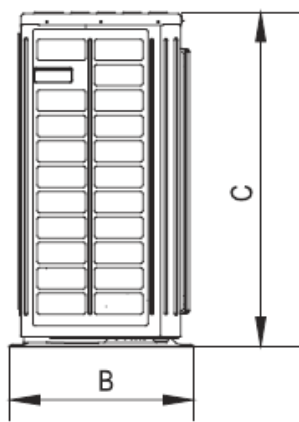
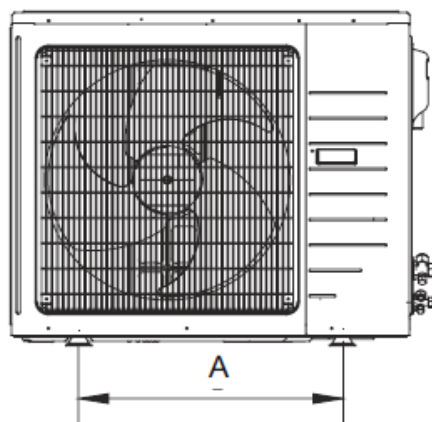


Weight (Net/Gross) 23.2/28.7 lbs

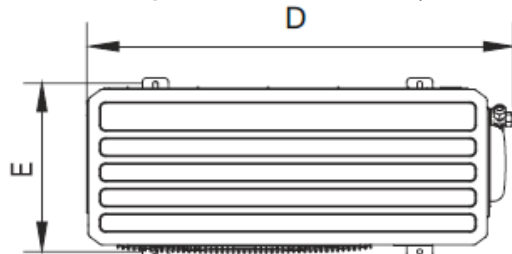
Liquid Line Valve	1/4-in OD Flared
Gas Line Valve	3/8-in OD Flared
Drain Connector	5/8-in OD

OUTDOOR UNIT DIMENSIONS

Units: inch



Dimensions	
A	20.0
B	12.6
C	21.3
D	30.6
E	11.3



Weight (Net/Gross) 69.5/75.0 lbs

Liquid Line Valve	1/4-in OD Flared
Gas Line Valve	3/8-in OD Flared

Notes:

1. Recommended Interconnecting Cable Type 14 AWG 4 Stranded Copper Conductors THHN 600V Wire
2. Power wiring cable size must comply with applicable national and local codes.
3. Test conditions are based on AHRI 210/240.

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Submittal Data: TW09HQ1C2A		9,000 BTU/H (115V) Wall Mounted Heat Pump System	
Job Name		Location	
Purchaser		Date	
Submitted To		Engineer	
Unit Designation		For ☐ Reference ☐ Approval ☐ Construction	
Schedule No.			
GENERAL FEATURES -High Efficiency DC Inverter Technology -Compact and Quiet Design -Wireless Remote with LCD Display -Wi-Fi Ready (Sold Separately Kit PN: WSBE03) -XK41 Wired Prog. Controller (Sold Separately) -Low Ambient Cool to 0 deg F -Blue Fin Condenser Coil -5 year Limited Parts Warranty, 7 Year Limited Compressor Warranty			
System Ratings		Indoor Unit Data	
Cooling Rated Capacity 9,000 BTU/H Capacity Range 2,764-10,918 BTU/H Power Input (Max) 895 W SEER 16.0 EER 9.55 Heating at 47° F Rated Capacity 9,600 BTU/H Capacity Range 2,081-12,283 BTU/H Power Input (Max) 853 W HSPF 9.0 COP 3.3 Heating at 17° F Rated Capacity 5,400 BTU/H Operating Range Cooling (Max) 115°F (46 C) (Min) 0°F (-18 C) Heating (Max) 75°F (24 C) (Min) -4°F (-20 C)		Fan Motor Type Cross-Flow Output Power 20 W FLA 0.2 A Airflow Cooling Wet (Lo/Hi) 171/318 CFM Heating Dry (Lo/Hi) 171/318 CFM Sound Pressure Level Cooling (Min/Max) 28/42 db(A) Heating (Min/Max) 28/42 db(A) Dehumidification 1.7 pt/hr	
Refrigerant Piping Data		Outdoor Unit Data	
Gas Pipe Size (OD) 3/8-in Liquid Pipe Size (OD) 1/4-in Connection Method Flared Factory Charge 24.7 oz Additional Charge 0.2 oz/ft Pre-Charge Length 25-ft MAX Refrigerant Pipe Length 49-ft MIN Refrigerant Pipe Length 10-ft MAX Refrigerant Pipe Elevation 33-ft		Compressor Type DC Inverter Driven Rotary RLA 12.6 A Refrigerant Type R410A Fan Motor Output Power 30 W FLA 0.24 A Sound Pressure Cooling/Heating 53/53 db(A)	
		Electrical Data	
		Power Supply Normal Operational Voltage 115 V, 1 Phase, 60 Hz Voltage Range 103 - 127 V MCA 17.0 A MOCP/Breaker Size 25 A Main Power Wire Size 12-2 AWG	



Features & Function Summary

SYSTEM FEATURES	
Inverter Type	G10
Ultra Low Frequency Torque Control	Yes
Power Factor Correction	Yes
Compressor Type	High Eff. Rotary
Refrigerant Type	R410A
Basepan With Electric Heater	YES
Compressor With Electric Heater	YES
Outdoor Fin Coating	Blue Fin
Intelligent Defrosting	YES
Intelligent Preheating	YES
Low Voltage Startup	YES
Memory/Power Failure Recovery	YES
Self Diagnosis	YES
Wired Controller Interface (XK-41)	YES
Wi-Fi Interface Capable	Optional (see PN: WSBEC02)
Indoor Fan Type	Crossflow
Multi Fan Speeds	4 Speeds
Indoor Unit Display	YES
Advance Filter	Optional (see Filter Kits)
Auxiliary Electrical Heater	NO
Ventilation (Outdoor Air)	NO

REMOTE CONTROLLER FUNCTIONS	
Auto Mode	YES
Auto Fan	YES
Auto Swing (Horizontal Auto Swing)	NO
Auto Swing (Vertical Auto Swing)	YES
Clock on Remote Controller	YES
Dry Mode	YES
Dry Anti-Mildew (X-Fan) Mode	NO
Energy Saving Mode	YES
Dirty Filter Alert	NO
I Feel Function	YES
Lock on Remote Controller	YES
Quiet Mode	NO
Room Temperature Display	YES
Sleep Mode	YES
4 Sleep Modes Options	NO
Timer Mode	YES
Turbo Mode	YES
Display On/Off Control	YES
Freeze Guard Mode	YES
Display On/Off Control	YES
Freeze Guard Mode	YES

EXTENDED RATINGS

COOLING PERFORMANCE (BtuH)*

Outdoor Ambient DB	Indoor Ambient Temperature							
	68F DB (20C)		73F DB (23C)		80F DB (27C)		82F DB (28C)	
	57F WB (14C)		61F WB (16C)		67F WB (19C)		68F WB (20C)	
	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 (BtuH)*

Outdoor Ambient DB	Indoor Ambient Temperature							
	68F DB (20C)		73F DB (23C)		80F DB (27C)		86F DB (30C)	
	57F WB (14C)		61F WB (16C)		67F WB (19C)		72F WB (22C)	
	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

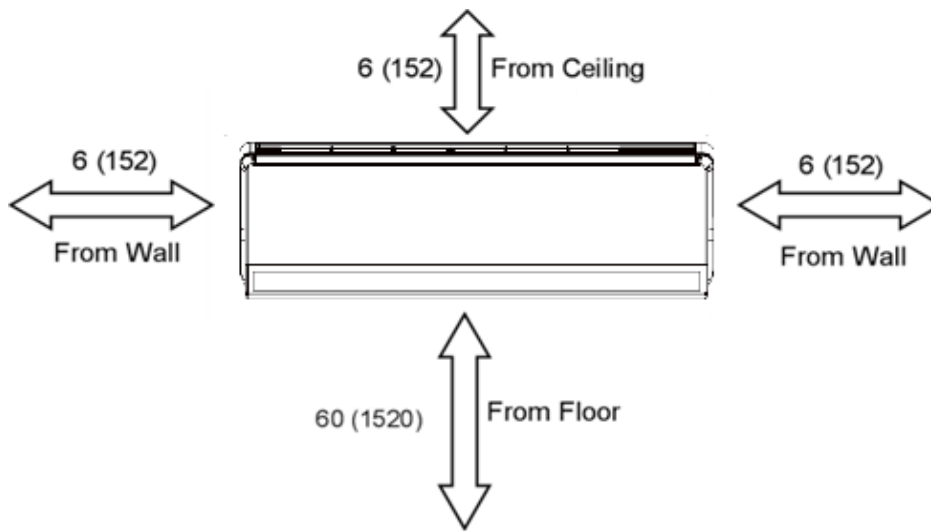
TC- Total Capacity (BtuH)
SHC- Sensible Capacity (BtuH)

DIMENSIONAL SPECIFICATIONS

MINIMUM SPACING REQUIREMENTS

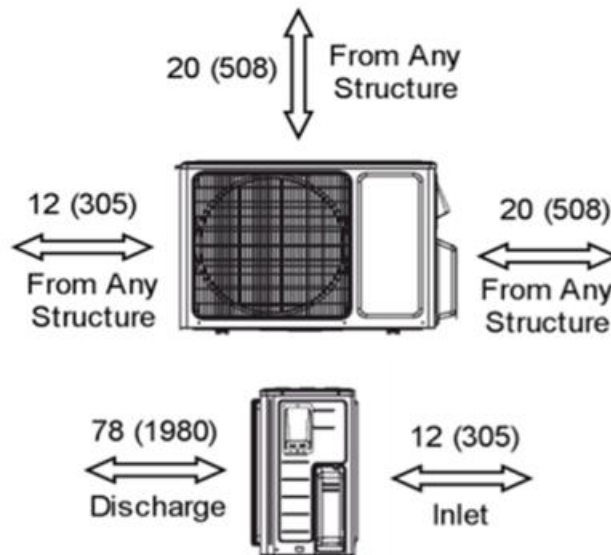
Units: inch (mm)

INDOOR



Units: inch (mm)

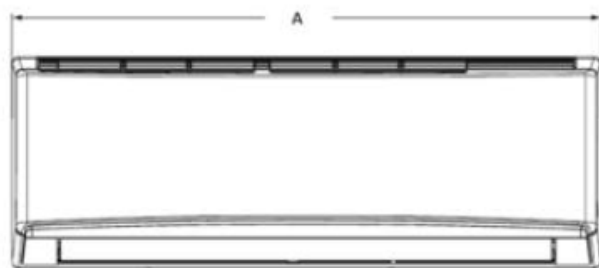
OUTDOOR



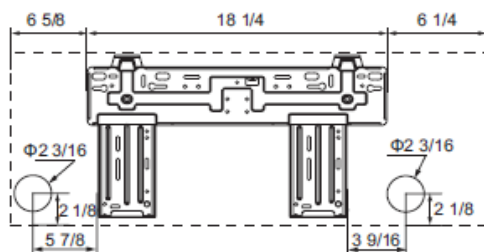
DIMENSIONAL SPECIFICATIONS

INDOOR UNIT DIMENSIONS

Units: inch



Dimensions	
A	31.1
B	10.8
C	7.9

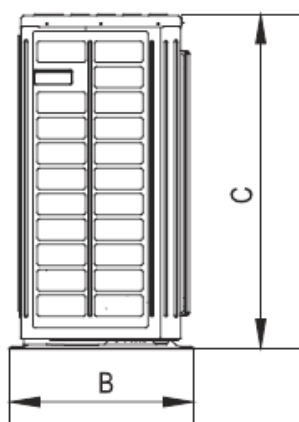
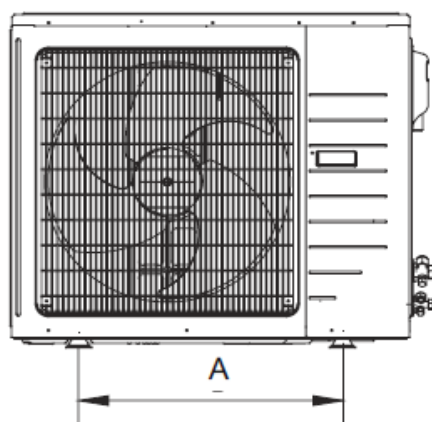


Weight (Net/Gross) 19.8/24.3 lbs

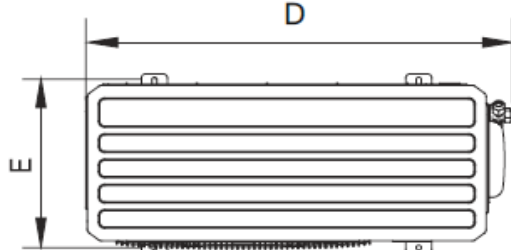
Liquid Line Valve	1/4-in OD Flared
Gas Line Valve	3/8-in OD Flared
Drain Connector	5/8-in OD

OUTDOOR UNIT DIMENSIONS

Units: inch



Dimensions	
A	21.3
B	12.6
C	21.3
D	33.4
E	11.3



Weight (Net/Gross) 62.8/68.4 lbs

Liquid Line Valve	1/4-in OD Flared
Gas Line Valve	3/8-in OD Flared

Notes:

1. Recommended Interconnecting Cable Type 14 AWG 4 Stranded Copper Conductors THHN 600V Wire
2. Power wiring cable size must comply with applicable national and local codes.
3. Test conditions are based on AHRI 210/240.

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Submittal Data: TW12HQ1C2A		12,000 BTU/H (115V) Wall Mounted Heat Pump System	
Job Name		Location	
Purchaser		Date	
Submitted To		Engineer	
Unit Designation		For ☐ Reference ☐ Approval ☐ Construction	
Schedule No.			
GENERAL FEATURES -High Efficiency DC Inverter Technology -Compact and Quiet Design -Wireless Remote with LCD Display -Wi-Fi Ready (Sold Separately Kit PN: WSBE02) -XK41 Wired Prog. Controller (Sold Separately) -Low Ambient Cool to 0 deg F -Blue Fin Condenser Coil -5 year Limited Parts Warranty, 7 year Limited Compressor Warranty			
System Ratings		Indoor Unit Data	
Cooling Rated Capacity 12,000 BTU/H Capacity Range 3,753-12,500 BTU/H Power Input (Max) 1,193 W SEER 16.0 EER 10.55		Fan Motor Type Cross-Flow Output Power 20 W FLA 0.3 A	
Heating at 47° F Rated Capacity 13,000 BTU/H Capacity Range 3,412-15,013 BTU/H Power Input (Max) 1,250 W HSPF 9.0 COP 3.1		Airflow Cooling Wet (Lo/Hi) 194/400 CFM Heating Dry (Lo/Hi) 194/400 CFM	
Heating at 17° F Rated Capacity 7,600 BTU/H		Sound Pressure Level Cooling (Min/Max) 29/43 db(A) Heating (Min/Max) 29/43 db(A)	
Operating Range Cooling (Max) 115°F (46 C) (Min) 0°F (-18 C) Heating (Max) 75°F (24 C) (Min) -4°F (-20 C)		Dehumidification 2.96 pt/hr	
Refrigerant Piping Data		Outdoor Unit Data	
Gas Pipe Size (OD) 3/8-in Liquid Pipe Size (OD) 1/4-in Connection Method Flared Factory Charge 31.8 oz Additional Charge 0.2 oz/ft Pre-Charge Length 25-ft MAX Refrigerant Pipe Length 66-ft MIN Refrigerant Pipe Length 10-ft MAX Refrigerant Pipe Elevation 33-ft		Compressor Type DC Inverter Driven Rotary RLA 15.2 A	
		Refrigerant Type R410A	
		Fan Motor Output Power 30 W FLA 0.23 A	
		Sound Pressure Cooling/Heating 53/53 db(A)	
		Electrical Data	
		Power Supply Normal Operational Voltage 115 V, 1 Phase, 60 Hz Voltage Range 103 - 127 V MCA 20.0 A MOCP/Breaker Size 30 A Main Power Wire Size 10-2 AWG	



Features & Function Summary

SYSTEM FEATURES	
Inverter Type	G10
Ultra Low Frequency Torque Control	Yes
Power Factor Correction	Yes
Compressor Type	High Eff. Rotary
Refrigerant Type	R410A
Basepan With Electric Heater	YES
Compressor With Electric Heater	YES
Outdoor Fin Coating	Blue Fin
Intelligent Defrosting	YES
Intelligent Preheating	YES
Low Voltage Startup	YES
Memory/Power Failure Recovery	YES
Self Diagnosis	YES
Wired Controller Interface (XK-41)	YES
Wi-Fi Interface Capable	Optional (see PN: WSBEC01)
Indoor Fan Type	Crossflow
Multi Fan Speeds	4 Speeds
Indoor Unit Display	YES
Advance Filter	Optional (see Filter Kits)
Auxiliary Electrical Heater	NO
Ventilation (Outdoor Air)	NO

REMOTE CONTROLLER FUNCTIONS	
Auto Mode	YES
Auto Fan	YES
Auto Swing (Horizontal Auto Swing)	NO
Auto Swing (Vertical Auto Swing)	YES
Clock on Remote Controller	YES
Dry Mode	YES
Dry Anti-Mildew (X-Fan) Mode	NO
Energy Saving Mode	YES
Dirty Filter Alert	NO
I Feel Function	YES
Lock on Remote Controller	YES
Quiet Mode	NO
Room Temperature Display	YES
Sleep Mode	YES
4 Sleep Modes Options	NO
Timer Mode	YES
Turbo Mode	YES
Display On/Off Control	YES
Freeze Guard Mode	YES
Display On/Off Control	YES
Freeze Guard Mode	YES

EXTENDED RATINGS

COOLING PERFORMANCE (BtuH)*

Outdoor Ambient DB	Indoor Ambient Temperature							
	68F DB (20C)		73F DB (23C)		80F DB (27C)		82F DB (28C)	
	57F WB (14C)		61F WB (16C)		67F WB (19C)		68F WB (20C)	
	TC	SHC	TC	SHC	TC	SHC	TC	SHC
0°F	6,955	5,800	7,295	6,070	9,265	7,395	8,030	6,590
5°F	7,087	5,903	7,423	6,170	9,327	7,530	8,163	6,693
14°F	7,350	6,110	7,680	6,370	9,450	7,800	8,430	6,900
23°F	7,900	6,540	8,340	6,890	10,360	8,230	9,350	7,620
32°F	8,240	6,800	8,700	7,170	10,540	8,510	9,780	7,960
41°F	8,580	7,060	9,060	7,450	10,850	9,040	10,210	8,300
50°F	8,920	7,320	9,420	7,730	10,900	9,260	10,640	8,640
59°F	9,240	7,590	9,770	8,010	10,950	9,540	11,070	8,960
68°F	10,250	8,390	10,790	8,810	11,010	9,610	11,840	9,570
77°F	10,150	8,310	10,690	8,730	11,260	9,750	11,710	9,460
86°F	9,730	7,980	10,270	8,400	11,560	10,010	11,440	9,250
95°F	9,290	7,640	9,830	8,060	12,000	9,420	10,940	9,020
104°F	8,920	7,340	9,460	7,760	11,860	9,390	10,760	8,720
113°F	8,550	7,050	9,080	7,470	10,910	9,180	10,390	8,430
115°F	8,529	7,033	9,050	7,447	10,842	9,154	10,357	8,403

HEATING PERFORMANCE (BtuH)*

Outdoor Ambient DB	Indoor Ambient Temperature							
	68F DB (20C)		73F DB (23C)		80F DB (27C)		86F DB (30C)	
	57F WB (14C)		61F WB (16C)		67F WB (19C)		72F WB (22C)	
	TC	SHC	TC	SHC	TC	SHC	TC	SHC
-4°F	7,090	7,090	7,120	7,120	7,190	7,190	7,120	7,120
0°F	7,130	7,130	7,280	7,280	7,260	7,260	7,210	7,210
6°F	7,160	7,160	7,220	7,220	7,310	7,310	7,120	7,120
10°F	7,950	7,950	8,130	8,130	8,240	8,240	8,090	8,090
16°F	8,560	8,560	9,060	9,060	9,210	9,210	8,290	8,290
19°F	9,250	9,250	9,580	9,580	9,350	9,350	9,040	9,040
24°F	9,830	9,830	10,030	10,030	10,800	10,800	10,340	10,340
32°F	11,040	11,040	11,520	11,520	11,910	11,910	11,260	11,260
41°F	11,230	11,230	11,980	11,980	12,010	12,010	11,393	11,393
43°F	12,000	12,000	12,370	12,370	12,560	12,560	11,560	11,560
47°F	12,780	12,780	13,060	13,060	13,640	13,640	12,110	12,110
53°F	13,020	13,020	13,290	13,290	13,680	13,680	12,120	12,120
59°F	12,370	12,370	12,680	12,680	12,950	12,950	12,230	12,230
64°F	12,010	12,010	12,320	12,320	12,563	12,563	11,980	11,980
70°F	12,110	12,110	12,360	12,360	12,803	12,803	11,870	11,870
75°F	12,350	12,350	12,960	12,960	12,780	12,780	11,590	11,590

* Maximum system capacity

TC- Total Capacity (BtuH)

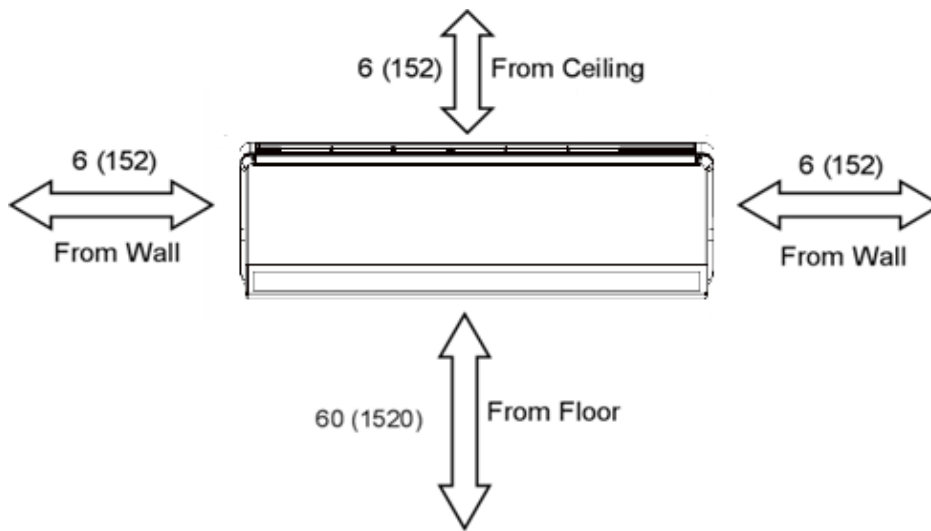
SHC- Sensible Capacity (BtuH)

DIMENSIONAL SPECIFICATIONS

MINIMUM SPACING REQUIREMENTS

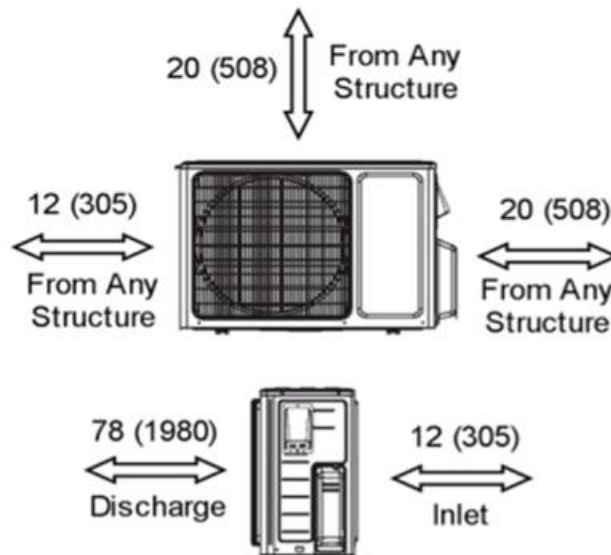
Units: inch (mm)

INDOOR



Units: inch (mm)

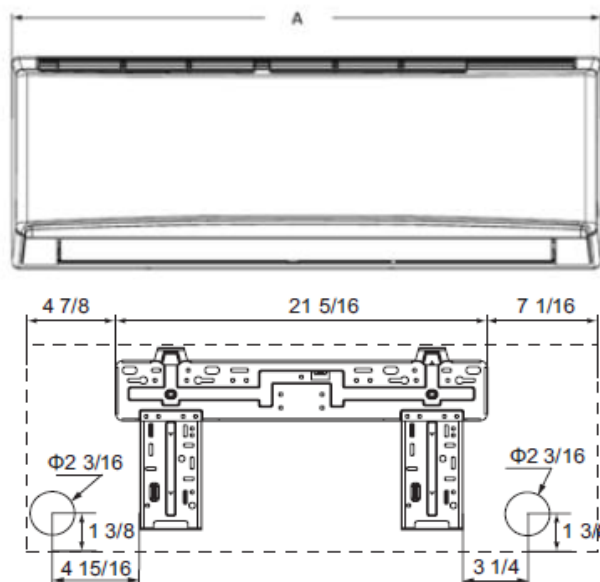
OUTDOOR



DIMENSIONAL SPECIFICATIONS

INDOOR UNIT DIMENSIONS

Units: inch



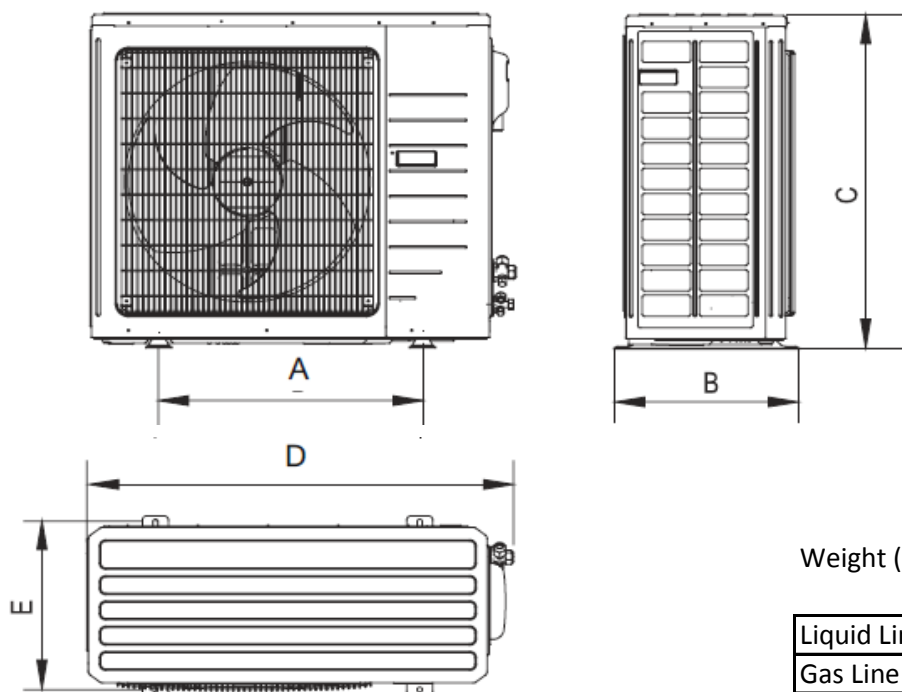
Dimensions	
A	33.3
B	11.4
C	8.3

Weight (Net/Gross) 22.1/27.6 lbs

Liquid Line Valve	1/4-in OD Flared
Gas Line Valve	3/8-in OD Flared
Drain Connector	5/8-in OD

OUTDOOR UNIT DIMENSIONS

Units: inch



Dimensions	
A	21.3
B	12.6
C	21.3
D	33.4
E	11.3

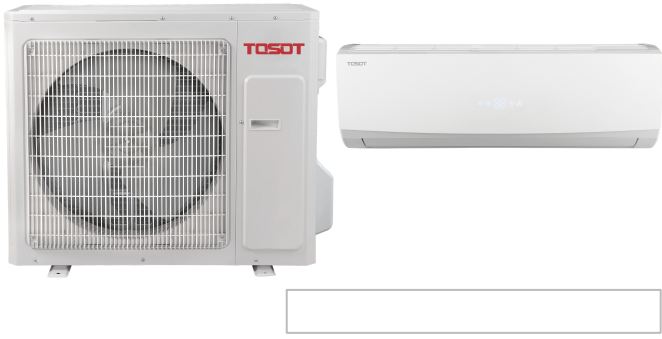
Weight (Net/Gross) 67.3/72.8 lbs

Liquid Line Valve	1/4-in OD Flared
Gas Line Valve	3/8-in OD Flared

Notes:

1. Recommended Interconnecting Cable Type 14 AWG 4 Stranded Copper Conductors THHN 600V Wire
2. Power wiring cable size must comply with applicable national and local codes.
3. Test conditions are based on AHRI 210/240.

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Submittal Data: TW18HQ1C2D		18,000 BTU/H (208/230V) Wall Mounted Heat Pump System	
Job Name		Location	
Purchaser		Date	
Submitted To		Engineer	
		For ☐ Reference ☐ Approval ☐ Construction	
Unit Designation		Schedule No.	
GENERAL FEATURES -High Efficiency DC Inverter Technology -Compact and Quiet Design -Wireless Remote with LCD Display -Wi-Fi Ready (Sold Separately Kit PN: WSBE02) -XK41 Wired Prog. Controller (Sold Separately) -Low Ambient Cool to 0 deg F -Blue Fin Condenser Coil -5 year Limited Parts Warranty, 7 year Limited Compressor Warranty			
System Ratings		Indoor Unit Data	
Cooling Rated Capacity 18,000 BTU/H Capacity Range 7,165-20,001 BTU/H Power Input (Max) 1,920 W SEER 16.0 EER 9.0 Heating at 47° F Rated Capacity 19,000 BTU/H Capacity Range 7,336-23,498 BTU/H Power Input (Max) 2,000 W HSPF 9.0 COP 2.8 Heating at 17° F Rated Capacity 12,000 BTU/H Operating Range Cooling (Max) 115°F (46 C) (Min) 0°F (-18 C) Heating (Max) 75°F (24 C) (Min) -4°F (-20 C)		Fan Motor Type Cross-Flow Output Power 30 W FLA 0.3 A Airflow Cooling Wet (Lo/Hi) 282/471 CFM Heating Dry (Lo/Hi) 282/471 CFM Sound Pressure Level Cooling (Min/Max) 35/46 db(A) Heating (Min/Max) 35/46 db(A) Dehumidification 3.80 pt/hr	
Refrigerant Piping Data		Outdoor Unit Data	
Gas Pipe Size (OD) 1/2-in Liquid Pipe Size (OD) 1/4-in Connection Method Flared Factory Charge 49.4 oz Additional Charge 0.2 oz/ft Pre-Charge Length 25-ft MAX Refrigerant Pipe Length 82-ft MIN Refrigerant Pipe Length 10-ft MAX Refrigerant Pipe Elevation 33-ft		Compressor Type DC Inverter Driven Rotary RLA 12.1 A Refrigerant Type R410A Fan Motor Output Power 60 W FLA 0.52 A Sound Pressure Cooling/Heating 56/56 db(A)	
		Electrical Data	
		Power Supply Normal Operational Voltage 208/230 V, 1 Phase, 60 Hz Voltage Range 187 - 253 V MCA 16.0 A MOCP/Breaker Size 25 A Main Power Wire Size 12-2 AWG	



Features & Function Summary

SYSTEM FEATURES	
Inverter Type	G10
Ultra Low Frequency Torque Control	Yes
Power Factor Correction	Yes
Compressor Type	High Eff. Rotary
Refrigerant Type	R410A
Basepan With Electric Heater	YES
Compressor With Electric Heater	YES
Outdoor Fin Coating	Blue Fin
Intelligent Defrosting	YES
Intelligent Preheating	YES
Low Voltage Startup	YES
Memory/Power Failure Recovery	YES
Self Diagnosis	YES
Wired Controller Interface (XK-41)	YES
Wi-Fi Interface Capable	Optional (see PN: WSBEC01)
Indoor Fan Type	Crossflow
Multi Fan Speeds	4 Speeds
Indoor Unit Display	YES
Advance Filter	Optional (see Filter Kits)
Auxiliary Electrical Heater	NO
Ventilation (Outdoor Air)	NO

REMOTE CONTROLLER FUNCTIONS	
Auto Mode	YES
Auto Fan	YES
Auto Swing (Horizontal Auto Swing)	NO
Auto Swing (Vertical Auto Swing)	YES
Clock on Remote Controller	YES
Dry Mode	YES
Dry Anti-Mildew (X-Fan) Mode	NO
Energy Saving Mode	YES
Dirty Filter Alert	NO
I Feel Function	YES
Lock on Remote Controller	YES
Quiet Mode	NO
Room Temperature Display	YES
Sleep Mode	YES
4 Sleep Modes Options	NO
Timer Mode	YES
Turbo Mode	YES
Display On/Off Control	YES
Freeze Guard Mode	YES
Display On/Off Control	YES
Freeze Guard Mode	YES

EXTENDED RATINGS

COOLING PERFORMANCE (BtuH)*

Outdoor Ambient DB	Indoor Ambient Temperature							
	68F DB (20C)		73F DB (23C)		80F DB (27C)		82F DB (28C)	
	57F WB (14C)		61F WB (16C)		67F WB (19C)		68F WB (20C)	
	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

HEATING PERFORMANCE (BtuH)*

Outdoor Ambient DB	Indoor Ambient Temperature							
	68F DB (20C)		73F DB (23C)		80F DB (27C)		86F DB (30C)	
	57F WB (14C)		61F WB (16C)		67F WB (19C)		72F WB (22C)	
	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 (BtuH)

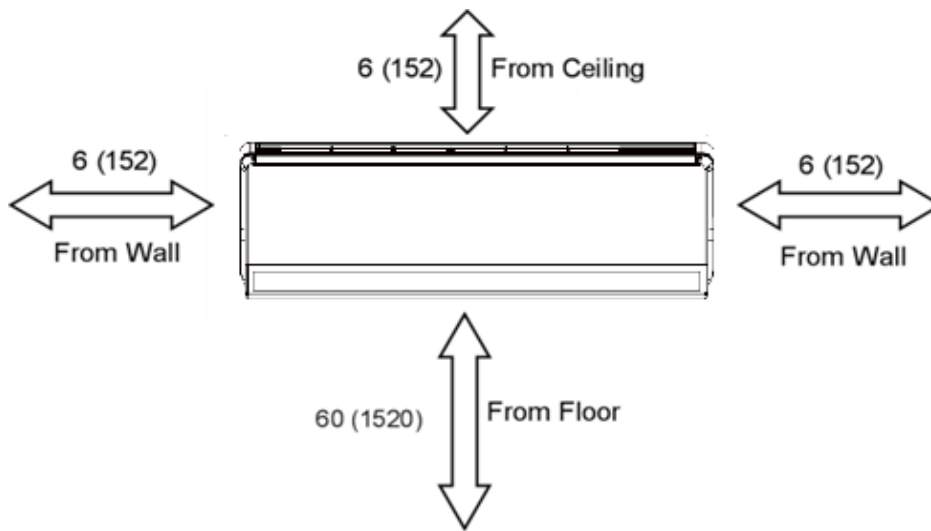
SHC- Sensible Capacity (BtuH)

DIMENSIONAL SPECIFICATIONS

MINIMUM SPACING REQUIREMENTS

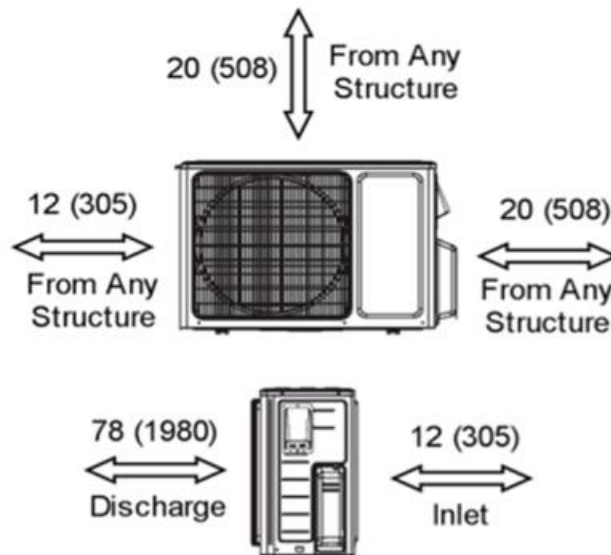
Units: inch (mm)

INDOOR



Units: inch (mm)

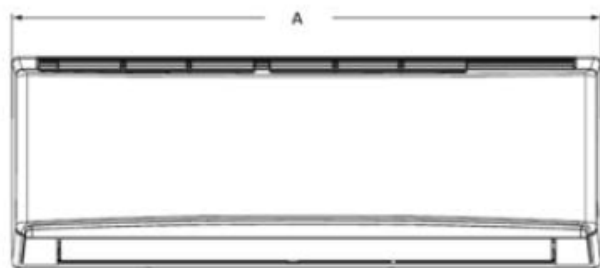
OUTDOOR



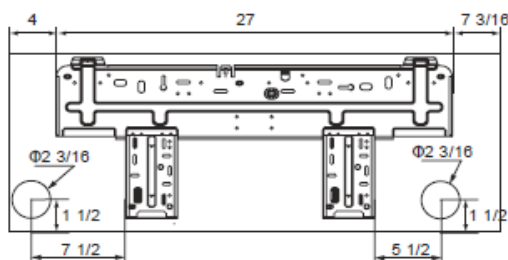
DIMENSIONAL SPECIFICATIONS

INDOOR UNIT DIMENSIONS

Units: inch



Dimensions	
A	38.2
B	11.8
C	8.8

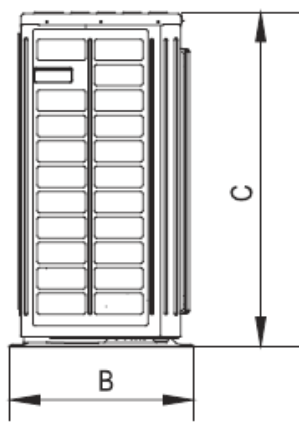
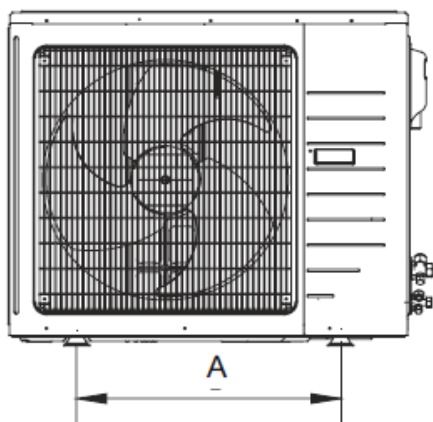


Weight (Net/Gross) 29.8/36.4 lbs

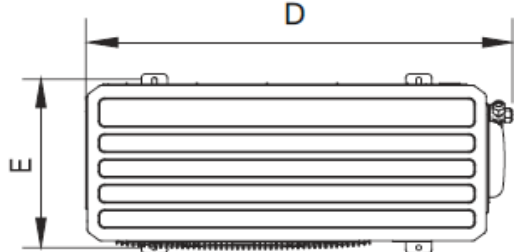
Liquid Line Valve	1/4-in OD Flared
Gas Line Valve	1/2-in OD Flared
Drain Connector	5/8-in OD

OUTDOOR UNIT DIMENSIONS

Units: inch



Dimensions	
A	22.0
B	15.3
C	27.6
D	38.0
E	14.3



Weight (Net/Gross) 95.9/105.8 lbs

Liquid Line Valve	1/4-in OD Flared
Gas Line Valve	1/2-in OD Flared

Notes:

1. Recommended Interconnecting Cable Type 14 AWG 4 Stranded Copper Conductors THHN 600V Wire
2. Power wiring cable size must comply with applicable national and local codes.
3. Test conditions are based on AHRI 210/240.

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TOSOT

Submittal Data: TW24HQ1C2D

24,000 BTU/H (208/230V) Wall Mounted Heat Pump System

Job Name	Location	Date
Purchaser	Engineer	
Submitted To	For	☐ Reference ☐ Approval ☐ Construction
Unit Designation	Schedule No.	

GENERAL FEATURES

- High Efficiency DC Inverter Technology
- Compact and Quiet Design
- Wireless Remote with LCD Display
- Wi-Fi Ready (Sold Separately Kit PN: WSBE02)
- XK41 Wired Prog. Controller (Sold Separately)
- Low Ambient Cool to 0 deg F
- Blue Fin Condenser Coil
- 5 year Limited Parts Warranty, 7 year Limited Parts Warranty



System Ratings			Indoor Unit Data		
Cooling			Fan Motor	Type	Cross-Flow
Rated Capacity		22,000 BTU/H		Output Power	40 W
Capacity Range		8,630-23,200 BTU/H		FLA	0.3 A
Power Input (Max)		2,260 W	Airflow		
SEER		16.0	Cooling Wet (Lo/Hi)		530/706 CFM
EER		9.75	Heating Dry (Lo/Hi)		530/706 CFM
Heating at 47° F			Sound Pressure Level		
Rated Capacity		23,000 BTU/H	Cooling (Min/Max)		36/48 db(A)
Capacity Range		8,650-26,000 BTU/H	Heating (Min/Max)		36/48 db(A)
Power Input (Max)		2,300 W	Dehumidification		
HSPF		9.0			5.28 pt/hr
COP		2.9	Outdoor Unit Data		
Heating at 17° F			Compressor	Type	DC Inverter Driven Rotary
Rated Capacity		13,500 BTU/H		RLA	12.2 A
Operating Range			Refrigerant Type		R410A
Cooling	(Max)	115°F (46 C)	Fan Motor	Output Power	60 W
	(Min)	0°F (-18 C)		FLA	0.40 A
Heating	(Max)	75°F (24 C)	Sound Pressure		
	(Min)	-4°F (-20 C)	Cooling/Heating		59/59 db(A)
Refrigerant Piping Data			Electrical Data		
Gas Pipe Size (OD)		5/8-in	Power Supply		
Liquid Pipe Size (OD)		1/4-in	Normal Operational Voltage		208/230 V, 1 Phase, 60 Hz
Connection Method		Flared	Voltage Range		187 - 253 V
Factory Charge		65.3 oz	MCA		16.0 A
Additional Charge		0.54 oz/ft	MOCP/Breaker Size		25 A
Pre-Charge Length		25-ft	Main Power Wire Size		12-2 AWG
MAX Refrigerant Pipe Length		82-ft			
MIN Refrigerant Pipe Length		10-ft			
MAX Refrigerant Pipe Elevation		33-ft			



Features & Function Summary

SYSTEM FEATURES	
Inverter Type	G10
Ultra Low Frequency Torque Control	Yes
Power Factor Correction	Yes
Compressor Type	High Eff. Rotary
Refrigerant Type	R410A
Basepan With Electric Heater	YES
Compressor With Electric Heater	YES
Outdoor Fin Coating	Blue Fin
Intelligent Defrosting	YES
Intelligent Preheating	YES
Low Voltage Startup	YES
Memory/Power Failure Recovery	YES
Self Diagnosis	YES
Wired Controller Interface (XK-41)	YES
Wi-Fi Interface Capable	Optional (see PN: WSBEC01)
Indoor Fan Type	Crossflow
Multi Fan Speeds	4 Speeds
Indoor Unit Display	YES
Advance Filter	Optional (see Filter Kits)
Auxiliary Electrical Heater	NO
Ventilation (Outdoor Air)	NO

REMOTE CONTROLLER FUNCTIONS	
Auto Mode	YES
Auto Fan	YES
Auto Swing (Horizontal Auto Swing)	NO
Auto Swing (Vertical Auto Swing)	YES
Clock on Remote Controller	YES
Dry Mode	YES
Dry Anti-Mildew (X-Fan) Mode	NO
Energy Saving Mode	YES
Dirty Filter Alert	NO
I Feel Function	YES
Lock on Remote Controller	YES
Quiet Mode	NO
Room Temperature Display	YES
Sleep Mode	YES
4 Sleep Modes Options	NO
Timer Mode	YES
Turbo Mode	YES
Display On/Off Control	YES
Freeze Guard Mode	YES
Display On/Off Control	YES
Freeze Guard Mode	YES

EXTENDED RATINGS

COOLING PERFORMANCE (BtuH)*

Outdoor Ambient DB	Indoor Ambient Temperature							
	68F DB (20C)		73F DB (23C)		80F DB (27C)		82F DB (28C)	
	57F WB (14C)		61F WB (16C)		67F WB (19C)		68F WB (20C)	
	TC	SHC	TC	SHC	TC	SHC	TC	SHC
0°F	10,940	8,580	11,557	9,061	13,043	10,230	13,434	10,479
5°F	11,891	9,326	12,562	9,848	14,177	11,120	14,603	11,390
14°F	13,794	10,818	14,572	11,424	16,446	12,899	16,939	13,212
23°F	15,112	11,855	16,165	12,680	18,521	14,526	19,077	14,880
32°F	15,679	12,299	16,771	13,155	19,216	15,071	19,792	15,438
41°F	16,267	12,761	17,400	13,648	19,936	15,636	20,534	16,017
50°F	16,877	13,239	18,052	14,160	20,684	16,223	21,304	16,617
59°F	18,327	14,373	19,602	15,373	21,469	16,833	22,113	17,248
68°F	20,755	16,278	22,052	17,293	23,566	18,483	24,273	18,933
77°F	20,510	16,089	21,815	17,111	23,350	18,315	24,050	18,759
86°F	19,501	15,293	20,798	16,315	22,701	17,804	23,382	18,238
95°F	18,456	14,475	18,845	14,782	21,620	16,957	22,269	17,370
104°F	17,563	13,775	17,945	14,074	20,058	16,519	20,660	16,115
113°F	16,662	13,067	17,296	13,563	18,621	15,811	19,179	14,960
115°F	16,612	13,028	17,368	13,620	18,566	15,750	19,123	14,916

HEATING PERFORMANCE (BtuH)*

Outdoor Ambient DB	Indoor Ambient Temperature							
	68F DB (20C)		73F DB (23C)		80F DB (27C)		86F DB (30C)	
	57F WB (14C)		61F WB (16C)		67F WB (19C)		72F WB (22C)	
	TC	SHC	TC	SHC	TC	SHC	TC	SHC
-4°F	11,659	11,659	11,463	11,463	11,235	11,235	11,000	11,000
0°F	12,634	12,634	12,423	12,423	12,176	12,176	11,912	11,912
6°F	13,328	13,328	13,103	13,103	12,843	12,843	12,564	12,564
10°F	13,882	13,882	13,650	13,650	13,379	13,379	13,089	13,089
16°F	14,302	14,302	14,064	14,064	13,784	13,784	13,482	13,482
19°F	14,576	14,576	14,337	14,337	14,052	14,052	13,741	13,741
24°F	16,216	16,216	15,971	15,971	15,653	15,653	15,382	15,382
32°F	18,123	18,123	17,878	17,878	17,522	17,522	17,289	17,289
41°F	20,304	20,304	20,065	20,065	19,666	19,666	19,469	19,469
43°F	20,851	20,851	20,605	20,605	20,195	20,195	20,016	20,016
47°F	22,659	22,659	22,267	22,267	21,824	21,824	21,299	21,299
53°F	22,884	22,884	22,484	22,484	22,037	22,037	21,510	21,510
59°F	23,410	23,410	22,996	22,996	22,538	22,538	22,000	22,000
64°F	23,907	23,907	23,487	23,487	23,019	23,019	22,470	22,470
70°F	24,356	24,356	23,935	23,935	23,459	23,459	22,898	22,898
75°F	24,700	24,700	24,265	24,265	23,782	23,782	23,213	23,213

* Maximum system capacity

TC- Total Capacity (BtuH)

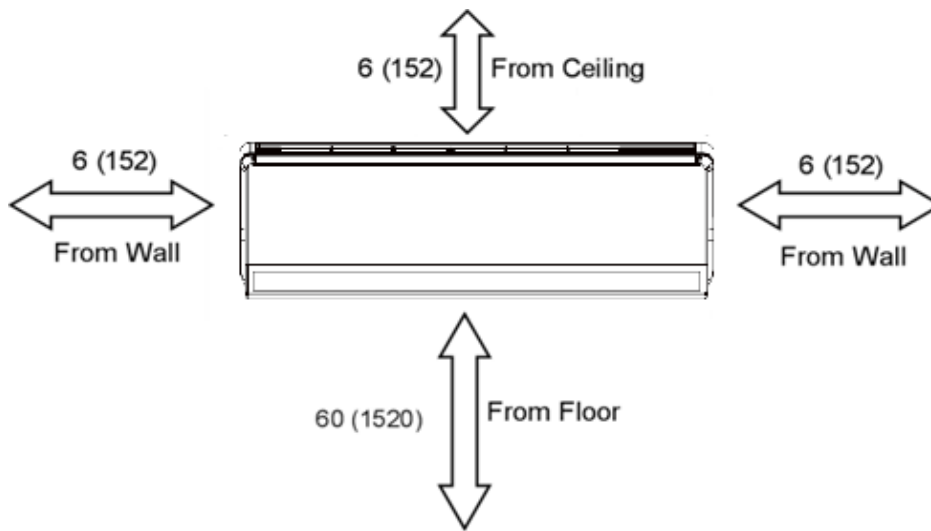
SHC- Sensible Capacity (BtuH)

DIMENSIONAL SPECIFICATIONS

MINIMUM SPACING REQUIREMENTS

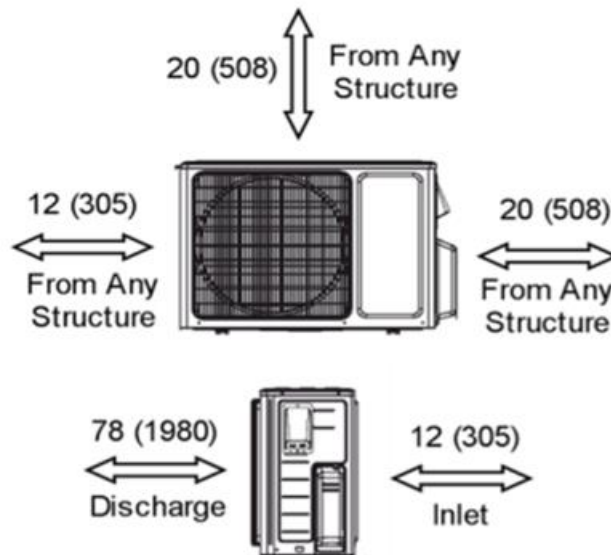
Units: inch (mm)

INDOOR



Units: inch (mm)

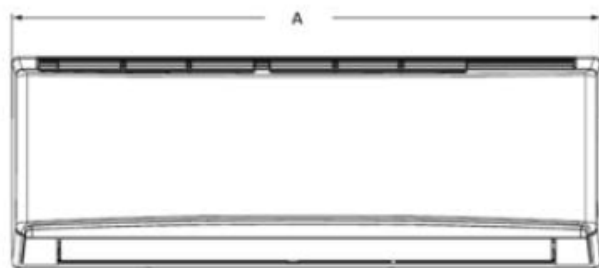
OUTDOOR



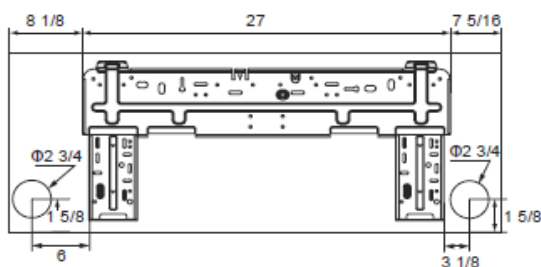
DIMENSIONAL SPECIFICATIONS

INDOOR UNIT DIMENSIONS

Units: inch



Dimensions	
A	42.4
B	12.8
C	9.7

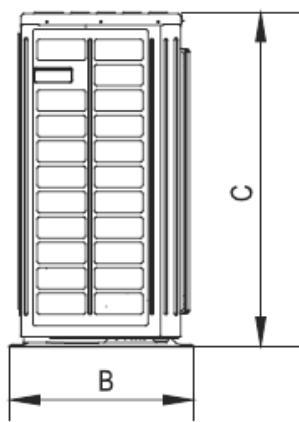
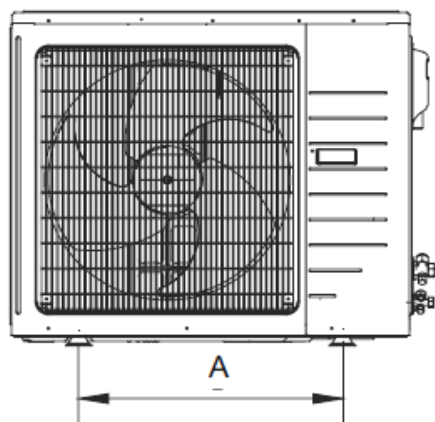


Weight (Net/Gross) 37.5/45.2 lbs

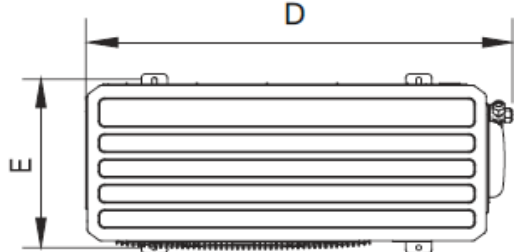
Liquid Line Valve	1/4-in OD Flared
Gas Line Valve	5/8-in OD Flared
Drain Connector	5/8-in OD

OUTDOOR UNIT DIMENSIONS

Units: inch



Dimensions	
A	22.0
B	15.3
C	27.6
D	38.0
E	14.3



Weight (Net/Gross) 110.3/120.2 lbs

Liquid Line Valve	1/4-in OD Flared
Gas Line Valve	5/8-in OD Flared

Notes:

1. Recommended Interconnecting Cable Type 14 AWG 4 Stranded Copper Conductors THHN 600V Wire
2. Power wiring cable size must comply with applicable national and local codes.
3. Test conditions are based on AHRI 210/240.

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