

TQSDT

SUBMITTAL DATA

TM12D6CSI
12000 BTU/H Mini Console Heat Pump System

Job Name	Location	Date
Purchaser	Engineer	
Submitted to	For	
Unit Designation	Schedule No.	

		
YBE1FB5F	TM12D6CSI	XE72-44/E (Optional)

GENERAL FEATURES

- Quiet Operation and Multi-Speed Fan
- 2-Way Discharge Air
- Swing Louver Control
- Multi-Directional Air Flow
- Wireless Remote with LCD Display Included
- Optional XE72-44/E Wired Controller
- Low Ambient Cooling and Heating
- (Indoor and Outdoor) Copper Tube / Aluminum Fin
- Blue Colored Fin - 500 Hrs Salt Spray Tested
- New R32 Refrigerant with Refrigerant Sensor

SPECIFICATIONS, FEATURES & FUNCTION SUMMARY

INDOOR MODEL		TM12D6CSI			
System Type	HEAT PUMP				
Outdoor Model	VIR12HP230V1R32AO	ENV12HP230V1R32AO	SAP12HP230V1R32AO		
SYSTEM PERFORMANCE					
Cooling	Min - Max	Btu/h	7,452 - 14,638	7,452 - 14,638	8,620 - 16,933
	Capacity @95°F	Btu/h	12,000	12,000	12,000
Heating	Min - Max	Btu/h	6,435 - 19,989	6,435 - 19,989	7,422 - 16,134
	Capacity @47°F	Btu/h	12,000	12,000	12,000
	Capacity @17°F	Btu/h	7,500	7,500	7,500
	Capacity Max @5°F	Btu/h	10,000	10,000	10,200
SEER2			23.0	23.0	23.0
EER2			13.0	13.0	13.0
HSPF2			9.0	9.0	9.0
COP @5°F			1.90	1.90	1.90
Cooling Temperature Range		°F	-20 - 122		
Heating Temperature Range		°F	-22 - 86		
Refrigerant Type	R32				
INDOOR UNIT		TM12D6CSI			
Air flow (Min-Max)	CFM	206 - 441			
Sound Pressure Level (Min - Max)	dB(A)	29 - 45			
Dehumidification	pt/hr	2.96			
External Dimensions (L x D x H)	in	27-9/16 x 8-15/32 x 23-5/8			
Package Dimension (L x W x H)	in	31-1/32 x 11-9/64 x 27-7/16			
Net Weight	lbs	33.1			
Gross Weight	lbs	39.7			
OUTDOOR UNIT		VIR12HP230V1R32AO	ENV12HP230V1R32AO	SAP12HP230V1R32AO	
Sound Pressure Level	dB(A)	52	52	55	
External Dimensions (L x D x H)	in	31-37/64 x 13-25/32 x 21-27/32	31 37/64 x 13 25/32 x 21 27/32	34-3/8 x 14-51/64 x 21-27/32	
Package Dimension (L x W x H)	in	34-21/64 x 15-43/64 x 24-13/32	34 21/64 x 15 43/64 x 24 13/32	37-7/16 x 16-31/32 x 24-13/32	
Net Weight	lbs	67.3	70.6	78.3	
Gross Weight	lbs	72.8	76.1	84.9	
REFRIGERANT PIPING					
Refrigerant Charge - R410A	oz	28.2	28.2	47.6	
Additional Charge	oz/ft	0.2	0.2	0.4	
Line Set Sized by Indoor Unit (Liquid - Gas)	in	1/4 - 1/2			
Line Set Size (Liquid - Gas) - Flared Connections	in	1/4-1/2	1/4-1/2	1/4-1/2	
Pre-Charge Length	ft	25			
Pipe Length (Min - Max)	ft	10 - 66	10 - 66	10 - 131	
Max. Pipe Elevation	ft	40	40	82	
ELECTRICAL					
Power Supply	208-230V / 1Ph / 60Hz (Powered by the Outdoor Unit)				
Voltage Range (Min - Max)	VAC	187 - 253			
Rated Current - Cooling	A	6.64	6.64	5.9	
Rated Current - Heating	A	6.41	6.41	7.8	
MCA	A	10	10	11	
MOCP	A	15	15	15	
Suggested Breaker Size	A	10	10	15	
Main Power Wire Size	AWG	Per Local Code			
Interconnecting Wire Size	AWG	14 / 4			

FEATURES & FUNCTIONS SUMMARY

SYSTEM FEATURES

Inverter Type	G20 with Field Oriented control (FOC)
Ultra Low Frequency Torque Control	Yes
Power Factor Correction	Yes
Compressor Type - Inverter	High Efficiency Rotary
Basepan With Electric Heater	Yes
Indoor & Outdoor Fin Coating (Blue Fin)	Yes
Intelligent Defrosting	Yes
Intelligent Preheating	Yes
Low Voltage Startup	Yes
Memory/Power Failure Recovery	Yes
Self Diagnosis	Yes
Wired Controller Interface	Yes
WiFi Included	No
Indoor Fan Type	Centrifugal
Multi Fan Speeds	7 Speeds
Indoor Unit Display	No
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 - 180° (Vertical Auto Swing)	Yes
Clock	Yes
Dry Mode	Yes
Dry Anti-Mildew (X-Fan) Mode	Yes
Energy Saving Mode	Yes
Dirty Filter Alert	No
Fan Speed Control (7 Speeds)	Yes
I Feel Function	Yes
Privacy Lock	Yes
Quiet Mode	Yes
Room Temperature Display	No
Sleep Mode	Yes
3 Sleep Mode Options	Yes
Timer Mode	Yes
Turbo Mode	Yes
Display On/Off Control	Yes
Freeze Guard Mode	Yes
Power Failure Mode	Yes

NOTE:

Please check the Multi-zone submittals for Non-Ducted or Mixed Performance table.

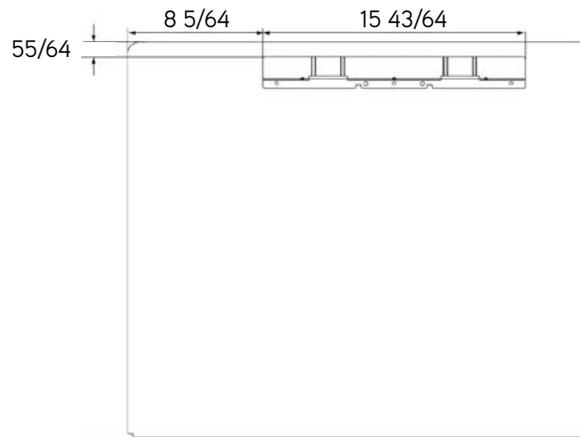
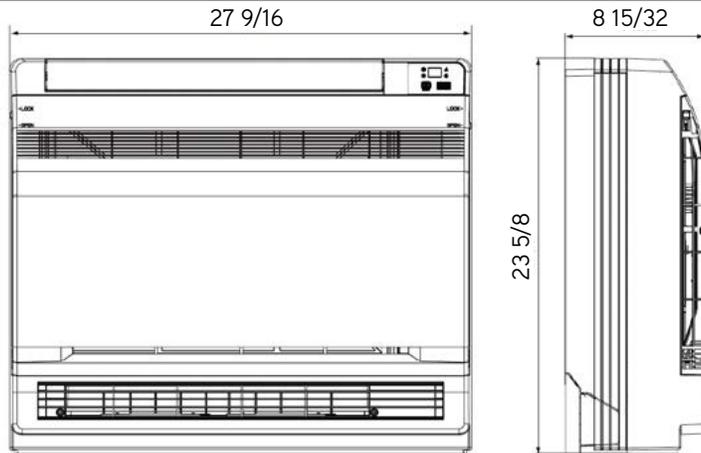
DIMENSIONS

INDOOR UNIT

Unit: inch

TM12D6CSI

DIMENSIONS



OUTDOOR UNIT

Unit: inch

VIR12HP230V1R32AO

DIMENSIONS

A	$29 \frac{21}{64}$
B	$31 \frac{37}{64}$
C	$21 \frac{27}{32}$
D	$11 \frac{13}{16}$
E	$13 \frac{25}{32}$
F	$20 \frac{5}{32}$
G	$13 \frac{5}{64}$

ENV12HP230V1R32AO

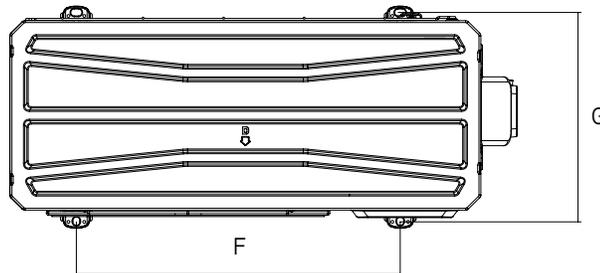
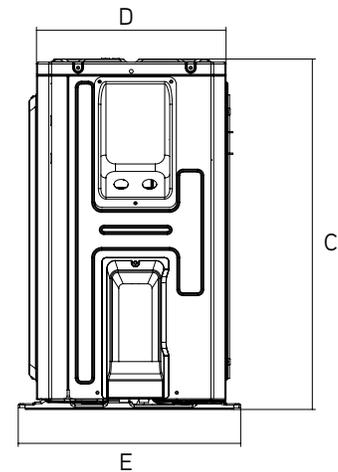
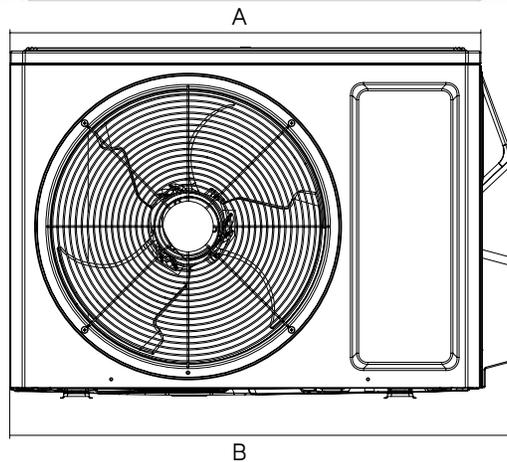
DIMENSIONS

A	$29 \frac{21}{64}$
B	$31 \frac{37}{64}$
C	$21 \frac{27}{32}$
D	$11 \frac{13}{16}$
E	$13 \frac{25}{32}$
F	$20 \frac{5}{32}$
G	$13 \frac{5}{64}$

SAP12HP230V1R32AO

DIMENSIONS

A	$31 \frac{11}{16}$
B	$34 \frac{3}{8}$
C	$21 \frac{27}{32}$
D	$13 \frac{1}{64}$
E	$14 \frac{51}{64}$
F	$20 \frac{25}{32}$
G	$13 \frac{21}{32}$



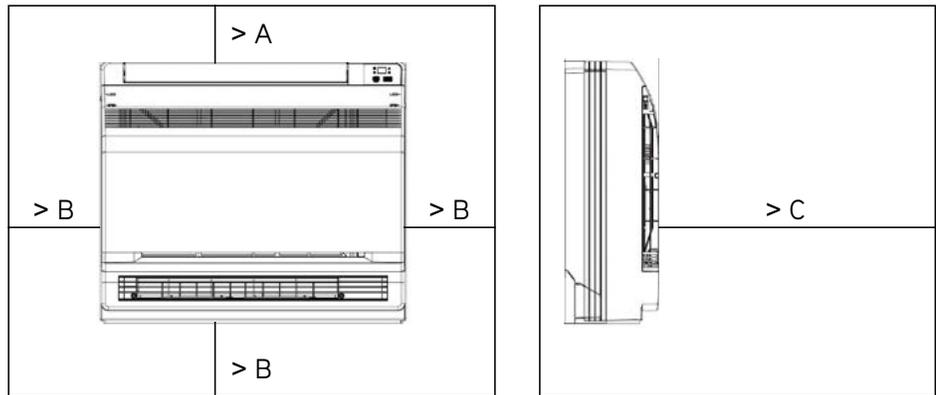
CLEARANCES

INDOOR UNIT

Minimum clearance

DIMENSIONS	
A	2-3/4
B	2
C	39

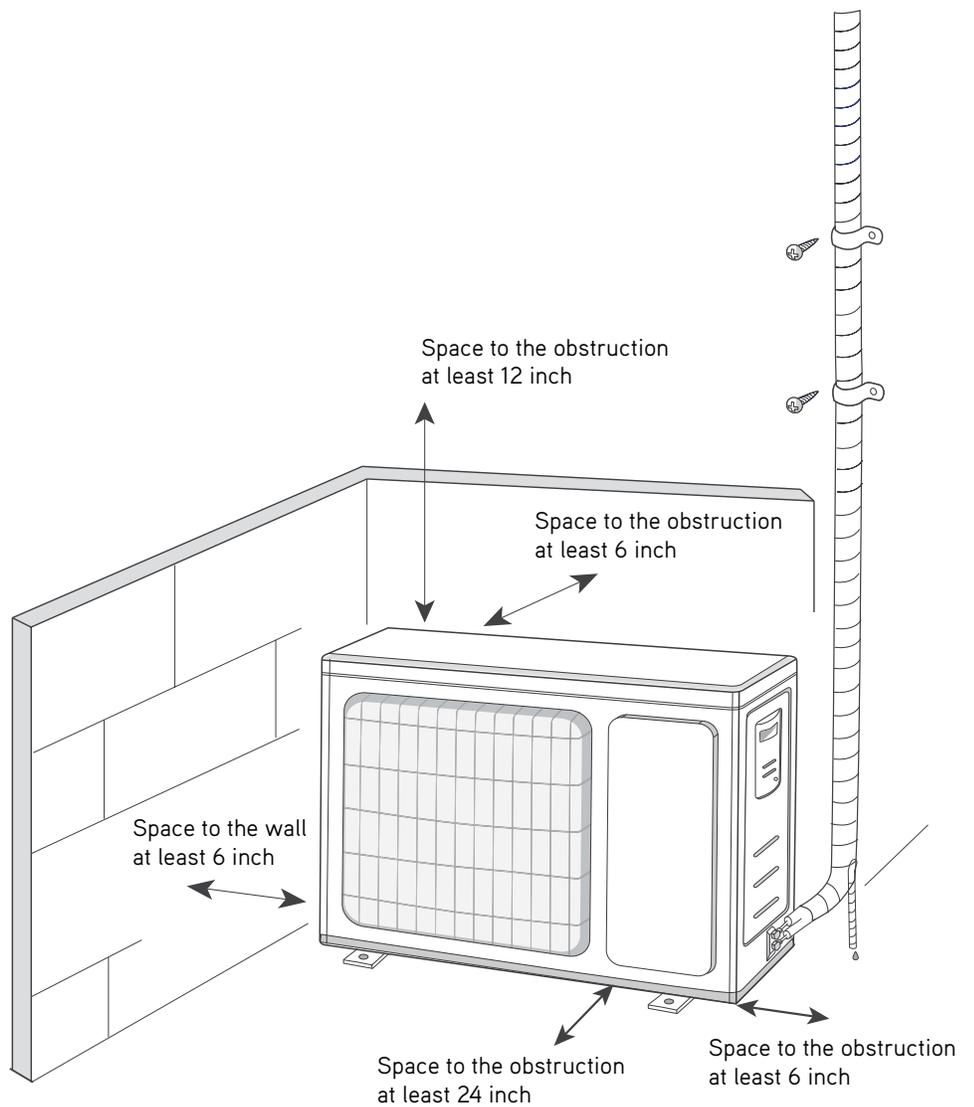
Unit: inch



OUTDOOR UNIT

Minimum clearance

NOTE:
If bottom of the unit is free of airflow obstructions similar to the mounting bracket figure, the clearance to the wall on the back can be reduced to 3 inches.



Specifications are subject to change without notice. Manufacturer reserves the right to discontinue or modify specifications or designs without notice or without incurring obligations. All Rights reserved.

TOSOTCOMFORT.COM