SINGLE/MULTI- ZONE HIGH STATIC DUCTED SYSTEM

12,000 BTU / H HIGH STATIC DUCTED

SUBMITTAL DATA: TM12HSFDI + TW12HXP2A1DO

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

AHRI CERTIFIED REF NO: 212365394





XE71-00/E (Optional)



XK76 (Standard)



XE72-44/E (Optional)



YAA1FB8 (Optional)



SYSTEM RATINGS		INDOOR UNIT DATA	
Cooling		**Fan Motor**	
Rated Capacity at 35℃/95° F	12,000 BTU/H	Type	Centrifugal
Capacity Range	900-14,100 BTU/H	Output Power	150W
SEER / SEER2	20.0 / 20.0	FLA	0.4A
EER / EER2	12.5 / 11.8	Ext. Static Pressure(max/std)	0.6/0.24 inwc
Heating		Air flow (Min/Max)	212/353 CFM
Rated Capacity at 8℃/47° F	12,000 BTU/H	Sound Pressure Level (Min/Max)	26/38 dB(A)
Rated Capacity at -8℃/17° F	6,900 BTU/H	Dehumidification	3.00 pt/hr
Capacity Range	900-15,500 BTU/H	**OUTDOOR UNIT DATA**	
HSPF/HSPF2	10.5 / 8.5	**Compressor**	
COP	3.78	Type	DC Inverter , Rotary
Energy Star	YES	RLA	6.6 A
Operating Range		**Fan Motor**	
Cooling	-29℃~50℃	Output Power	30 W
	-20°F~122°F	RLA	0.4 A
Heating	-30℃~30℃	**Sound Pressure Level**	48 dB(A)
	-22°F~86°F	**Refrigerant Piping Data**	
Power Supply		Liquid Pipe Size (OD)	1/4-in
Range	208/230 V, 1 Ph, 60 Hz	Gas Pipe Size (OD)	1/2-in
Voltage Range	187 - 253 V	Connection Method	Flared
Main Power Wire Size	12-2 AWG	Factory Charge	R410A/60 oz
Interconnecting Cable Wire Size	14-4 AWG	Additional Charge	0.5 oz/ft
Rated Cooling Current	6.6A	Pre-Charge Length	25-ft
Rated Heating Current	7.1A	MAX Refrigerant Pipe Length	66-ft
MCA	10 A	MIN Refrigerant Pipe Length	10-ft
MOCP	15 A	MAX Refrigerant Pipe Height Difference	33-ft

FEATURES

- Quiet Operation - Multi-Speed Fan
- High Static Pressure Capability -Adjustable
- Slim Line Construction 11-13/16" high
- Internal Condensate Drain Pump
- Flexible Return Air From Bottom or Rear
- XK76 Wired Controller(Standard)
- Wireless Remote Controller YB1FA(Optional)
- Condensate Overflow Protection
- Outside Air Capability
- Wired WiFi Controller XE72-44/E(Optional)

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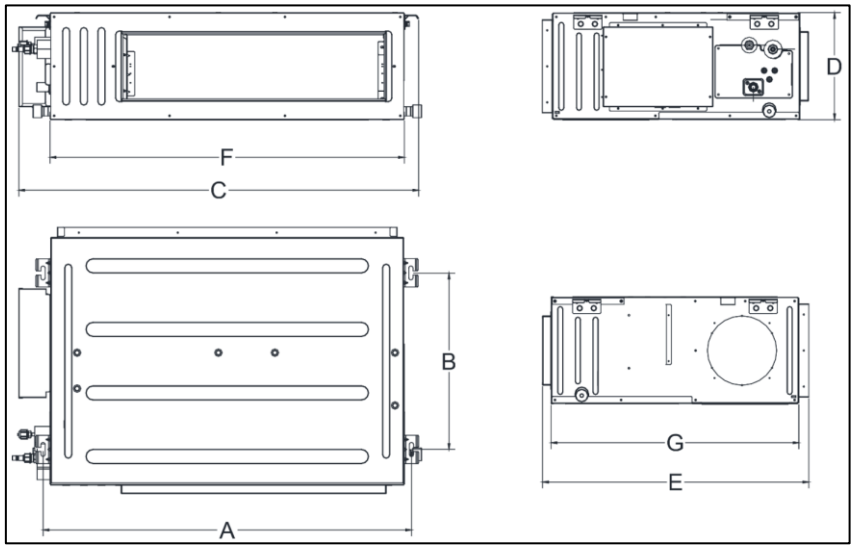
FEATURES & FUNCTION SUMMARY: TM12HSFDI + TW12HXP2A1DO

SYSTEM FEATURES	
Selectible External Satic Pressure	8 Selections
Multi Fan Speeds	4 Speeds
Indoor Fan Type	Centrifugal
Indoor Unit Display	NO
Wired Controller Interface	YES
Auxiliary Electrical Heater	NO
Ventilation (Outdoor Air)	YES
Condensate Pump	YES
Overflow Cut-off Switch	YES
Electronic Expansion Valve	In Outdoor Unit
Coil Construction	Copper Tube-Aluminum Fin
Indoor Fin Coating (Blue)	Acrylic Resin/Anti-Corrosion
WIRED PROGRAMMABLE CONTROLLER (XK76) & REMOTE CONTROLLER FUNCTIONS	
Auto Mode	YES
Auto Fan	YES
Turbo Cooling	YES
Auto Swing (Horizontal Auto Swing)	NO
Auto Swing (Vertical Auto Swing)	NO
Clock on Remote Controller	YES
Dry Mode	YES
Dry Anti-Mildew (X-Fan) Mode	YES
Energy Saving Mode	YES
Dirty Filter Alert	NO
I Feel Function	YES
Lock on Remote Controller	YES
Quiet Mode	YES
Room Temperature Display	NO
Normal Sleep Mode	YES
Timer Mode	YES
LCD Back Light on Remote Controller	YES
Turbo Mode	YES
Display On/Off Control	YES
Freeze Guard/Holiday Mode (46°F/8°C)	YES
24Vac Signal 3rd party Backup Heater Output	Optional with XE71-00/E
Wifi Control	Optional with XE72-44/E

R410A INVERTER ETL Intertek AHRI CERTIFIED www.ahridirectory.org SA

DIMENSIONAL SPECIFICATIONS: TM12HSFDI

UNIT DIMENSION



Note:
Size refrigerant lines based on evaporator port sizes.

H = Fresh Air Knockout

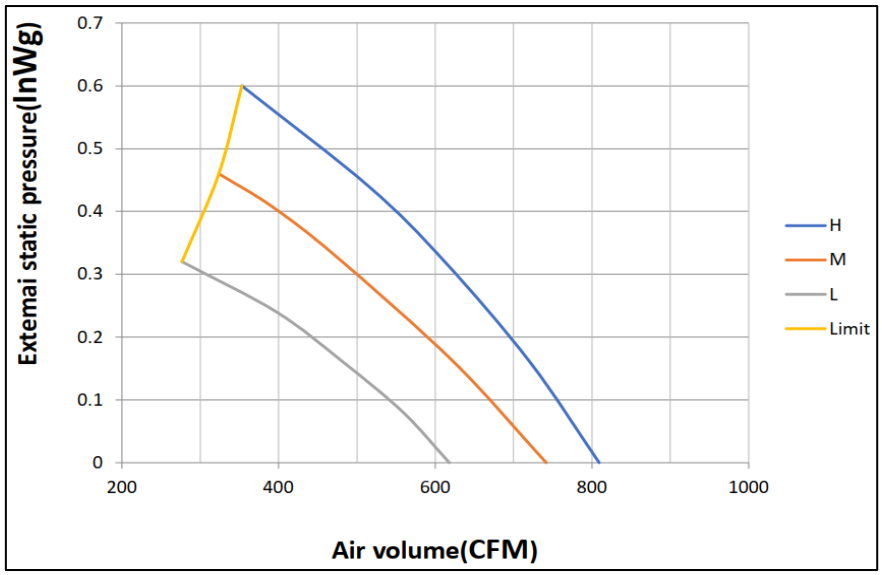
Dimensions								
	A	B	C	D	E	F	G	H
mm	740	500	830	300	754	700	700	196
in	29-1/8	19-11/16	32-11/16	11-13/16	29-11/16	27-9/16	27-9/16	7-23/32

Weight (Net/Gross) 71/84 lbs

Supply & Retum.Air Opening						
	Size of Supply Air Outlet			Size of Return Air Opening		
	A	B	C	D	E	F
mm	195	451	25	264	660	29
in	7-5/8	17-3/4	1	10-3/8	26	1-1/8

INDOOR FAN PEFORMANCE DATA

Wg = inches of water column



Notes:
1.Recommended Interconnecting Cable Type 14 AWG 4 Stranded Copper Conductors Wire.

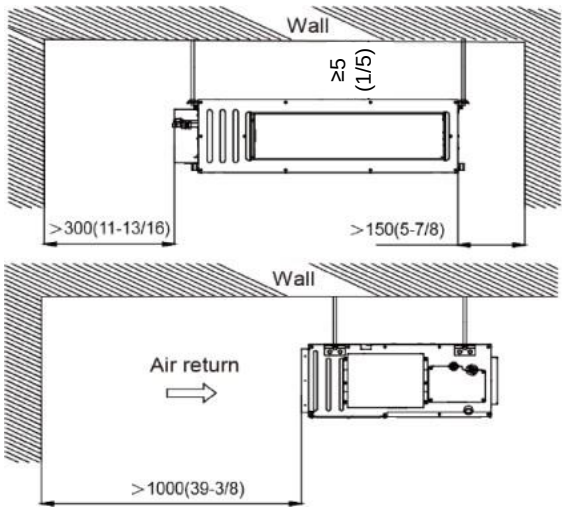
2.Power wiring cable size must comply with applicable national and local codes.

3.Test conditions are based on AHRI 210/240.

DIMENSIONAL SPECIFICATIONS: TM12HSFDI

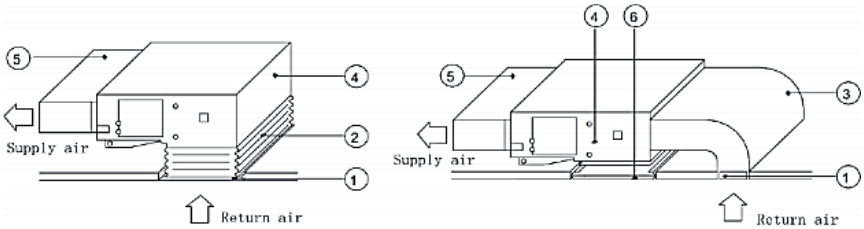
MINIMUM SPACING REQUIREMENTS

Units: mm(inch)



RETURN AIR CONFIGURATIONS

Units: mm(inch)



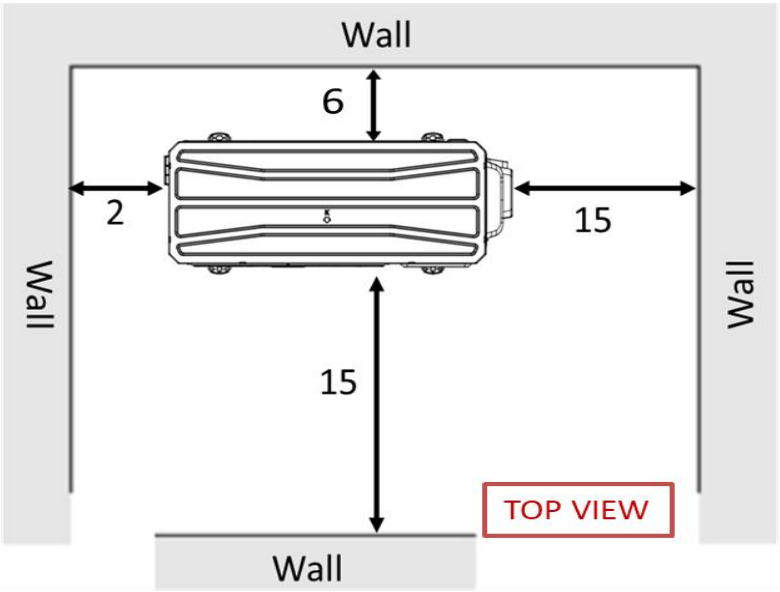
No.	Name
1	Return Air Inlet(with filter)
2	Canvas
3	Return Air Duct

No.	Name
4	Indoor unit
5	Supply Air Duct
6	Grille

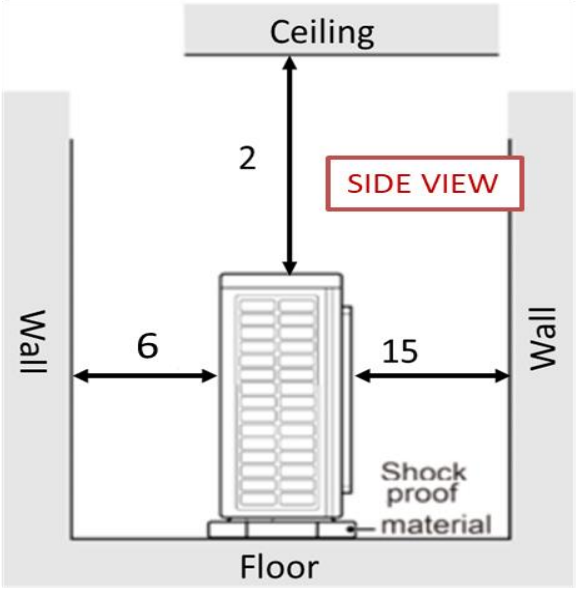
DIMENSIONAL SPECIFICATIONS: TW12HXP2A1DO

MINIMUM SPACING REQUIREMENTS

Unit: inch



The ceiling should be open



Either left or right side should be open

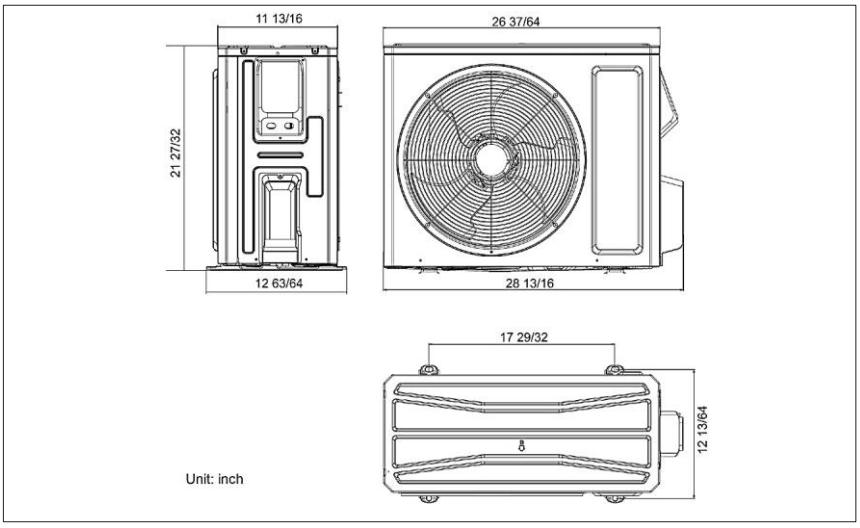
Note:

1. Apply the value in the brackets to achieve best performance
2. Wall height on air outlet side ≤ 50inch

OUTDOOR UNIT DIMENSIONS

Model No: TW12HXP2A1DO

Unit: inch



Weight (Net/Shipping) 70.5 /76 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 Wire
2. Power wiring cable size must comply with applicable national and local codes
3. Test conditions are based on AHRI 210/240.