



# HIGH STATIC MULTI-ROOM DUCTED SYSTEMS

18000 BTU / H HIGH STATIC DUCTED

## SUBMITTAL DATA: TM18HFDI

Job Name	Location	Date
Purchaser	Engineer	
Submitted To	For	<input type="checkbox"/> Reference <input type="checkbox"/> Approval <input type="checkbox"/> Construction
Unit Designation	Schedule No.	



SYSTEM RATINGS		UNITS SPECIFICATION & DATA	
<b>Cooling*</b>		<b>Dehumidifying Volume Pint/hr</b>	3.8
Rated Capacity	18,000 BTU/H	<b>Wired Controller</b>	XK76
<b>Heating*</b>		<b>Evaporator Coil</b>	
Rated Capacity	19,000 BTU/H	CopperTube-Aluminum Fin	
<b>Sound Pressure Level (Indoor)</b>		Protection - Acrylic Resin	Blue
Cooling	39/33/29/26 dB(A)	<b>Condensate Drain Lift (Height)</b>	18-in
Heating	39/33/29/26 dB(A)		457-mm
<b>Air Flow (4 Speed)</b>		<b>Drain Size (OD)</b>	1.0-in
Indoor Fan CFM	588/412/312/288		25-mm
<b>Ext Static Pressure (max/std)</b>	.8 / .36 inWc	<b>Air Filter</b>	Polypropylene
* Capacity based on diversity of all connected units and the OD Unit		<b>Net Weight / Gross Weight</b>	93-lbs / 107-lbs
ELECTRICAL RATINGS		REFRIGERANT PIPING DATA	
<b>Fan Motor</b>		<b>Refrigerant Type</b>	R410A
Output Power	200 W	<b>Gas Pipe Size (OD)</b>	5/8-in
FLA	0.7 A	<b>Liquid Pipe Size (OD)</b>	3/8-in
<b>Power Supply</b>		<b>Connection Method</b>	Flared
Normal Operational Voltage	208/230 V, 1 Phase, 60 Hz	* Test conditions are based on AHRI 210/240. **Sound Pressure ratings are per AHRI 270 and AHRI 350	
Voltage Range	187 - 253 V		
MCA	5.0 A		
Interconnecting Cable Wire Size	14-4 AWG		

### GENERAL 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
- XK19 Wired Controller
- Wireless Remote Controller YB1FA
- Sentry Condensate Overflow Protection
- Outside Air Capability

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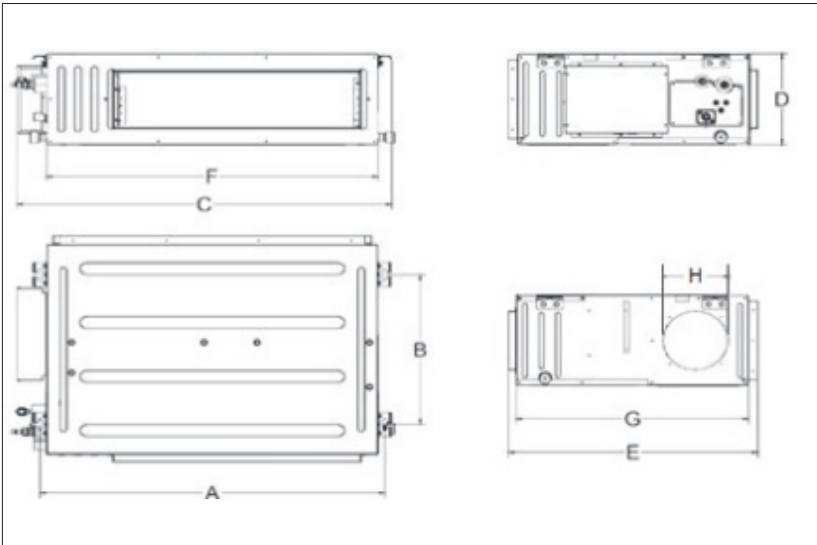
## FEATURES & FUNCTION SUMMARY: TM18HFDI

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 Mode (46°F/8°C)	YES
Display On/Off Control	YES

## DIMENSIONAL SPECIFICATIONS: TM18HFDI

### 18,000 BTUH MODEL

Model # TM18HFDI 18,000 BTUH 230V



Note:

Size refrigerant lines based on evaporator port sizes.

H = Fresh Air Knockout

#### Dimensions

	A	B	C	D	E	F	G	H
mm	1040	500	1130	300	754	1000	700	196
in	40-15/16	19-11/16	44-1/2	11-13/16	29-11/16	39-3/8	27-9/16	7-3/8

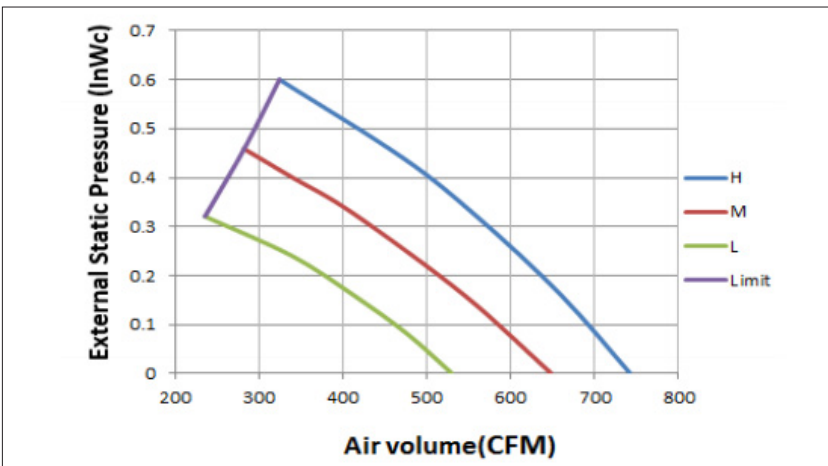
**Weight (Net/Gross) 71/84 lbs**

#### Supply & Return Air Opening

	Size of Supply Air Outlet			Size of Return Air Opening		
	A	B	C	D	E	F
mm	195	751	25	264	960	29
in	7-5/8	29-9/16	1	10-3/8	37-3/4	1-1/8

### INDOOR FAN PERFORMANCE DATA

Wc = inches of water column



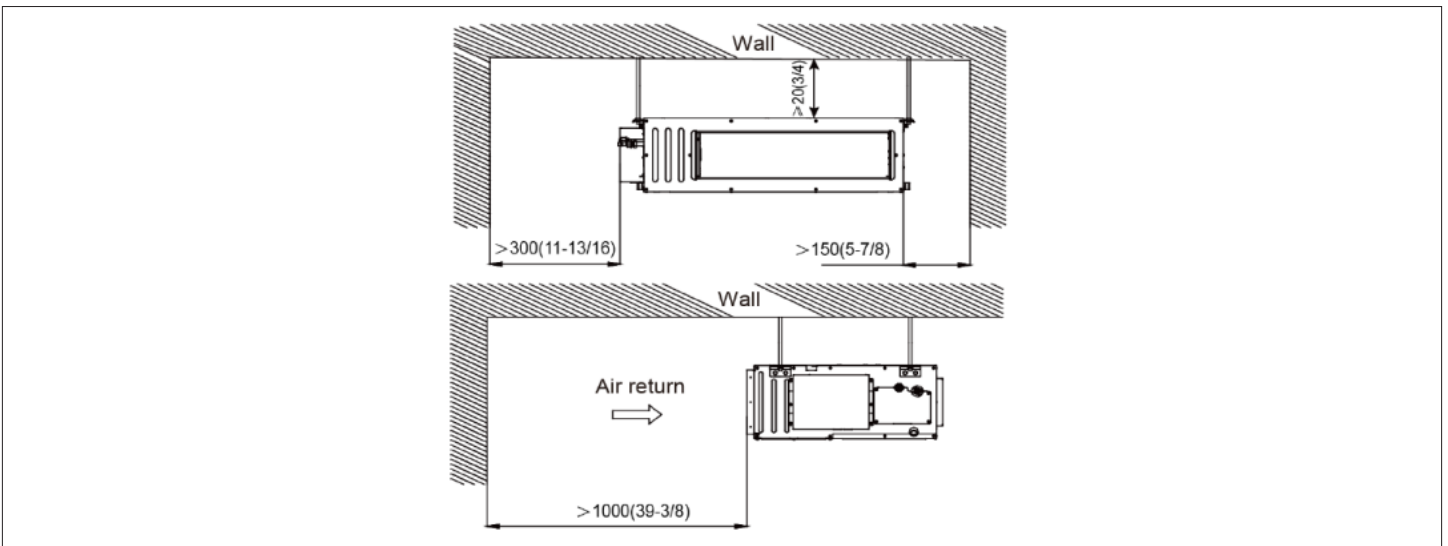
Notes:

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: TM18HFDI**

**MINIMUM SPACING REQUIREMENTS**

Units: mm(inch)



**RETURN AIR CONFIGURATIONS**

Units: mm(inch)

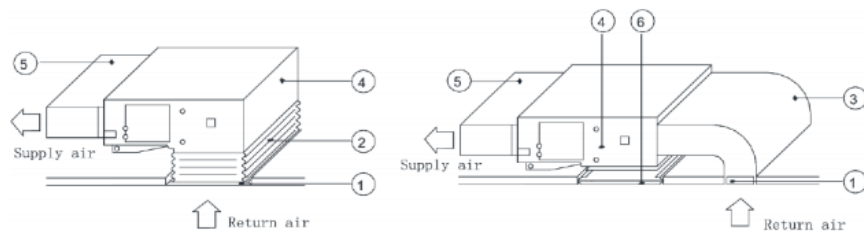


Fig 4.4.7

Table 5 Installation of the return air duct

No.	Name	No.	Name
1	Return Air Inlet (with filter)	4	Indoor unit
2	Canvas Duct	5	Supply Air Duct
3	Return Air Duct	6	Grille