



SUBMITTAL DATA

Duct Indoor Unit 12KBTU

Model: TM12R32SFDI

Job Name

Location

Date

Purchaser

Engineer

Submitted to

For

Unit Designation

Schedule No.



GENERAL FEATURES:

- R32 Refrigerant
- Quiet Operation
- Multi-Speed Fan
- Medium Static Pressure Capability
- Slim Line Construction 8" high
- Internal Condensate Drain Pump
- Flexible Return Air from Bottom or Rear
- XK-19 Wired Controllers
- Wireless Remote Controllers
- Sentry Condensate Overflow Protection
- Limited 5 yr. Parts Warranty

Americo HVAC Supply LLC



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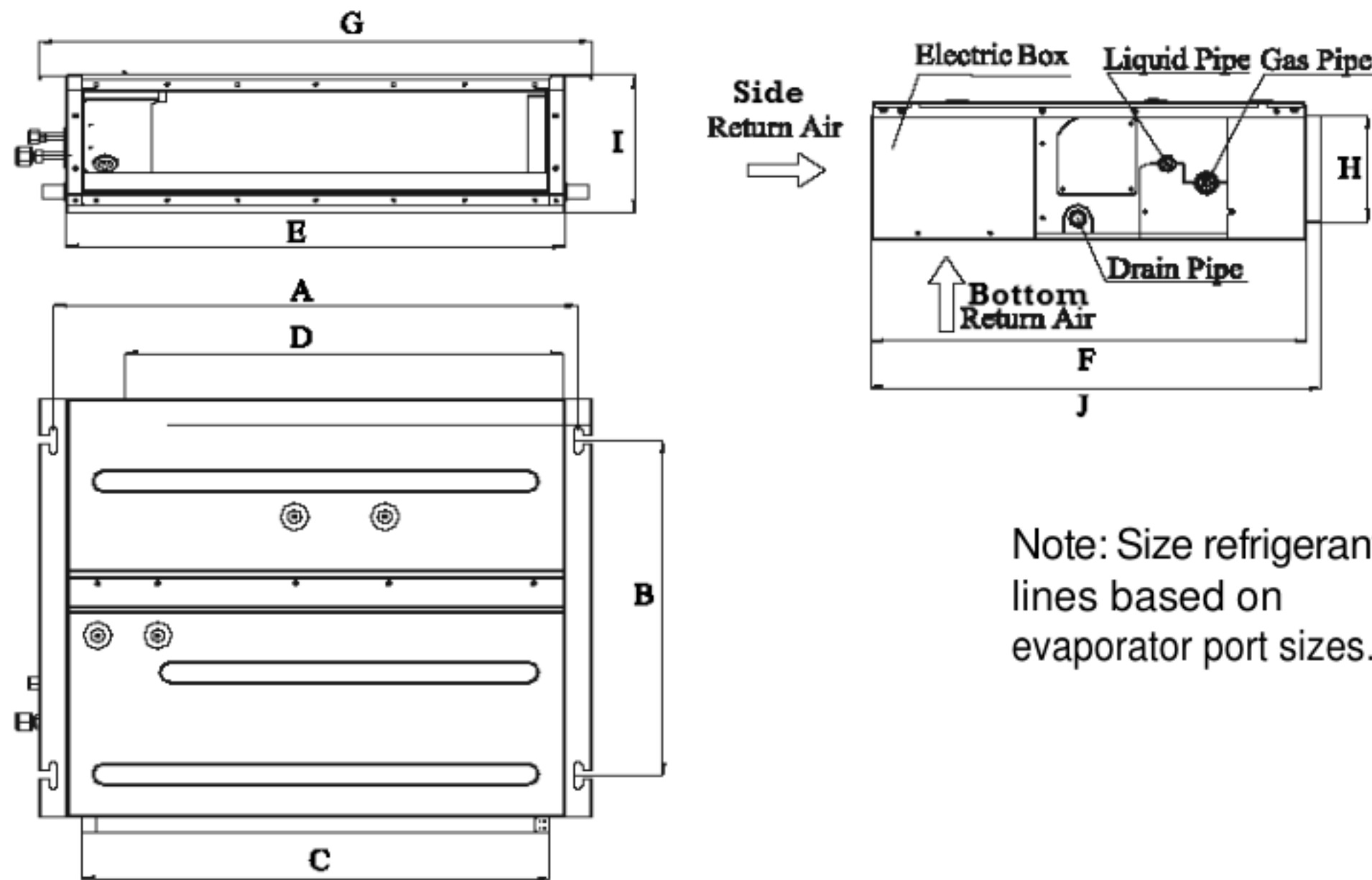


SPECIFICATIONS & FUNCTIONS:

Product Model		TM12R32SFDI	Functions	TM12R32SFDI
Product Type	--	Duct	Auto	YES
Power Supply	V/ph/Hz	208-230 /1/60	Cooling	YES
Min/Max. Voltage	V	187/253	Heating	YES
Cooling Capacity	Btu/h	12000	Dehumidify	YES
Heating Capacity	Btu/h	12000	Air Flow	YES
Air Flow Volume	CFM	353/288/247/212	Sleep	Normal sleep mode
Standard Static Pressure	Pa	60	Vertical Auto Swing	NO
Max. Static Pressure	Pa	150	Horizontal Auto Swing	NO
Sound Pressure Level	dB (A)	38/33/29/26	Auto Fan	YES
Sound Power Level	dB (A)	48/43/39/36	Quiet	NO
Rated Dehumidification Capacity	L/h	1.4	I Feel	YES
Dehumidifying Volume	Pint/h	2.96	Intelligent Preheating	YES
Cross-sectional Area of Power Cable Conductor	mm ²	0.82	Ventilation	YES
Cross-sectional Area of Power Cable Conductor	sq in	0.001271	Dry Anti-mildew Design	YES
Recommended Power Cable (Core)	N	4	Several Optional Filters (e.g.: Active Carbon)	Optional
Fuse Current	A	5	Auto Clean	NO
Cooling Power Input	kW	0.092	Replaceable Front Panel	NO
Heating Power Input	kW	0.092	Outdoor Air Available	YES
Cooling Current Input	A	0.4	High Static Pressure	YES
Heating Current Input	A	0.4	Common Static Pressure	Optional
Fan Type	-	Centrifugal	Low Static Pressure	NO
Fan Quantity	-	1	Timer Feature	YES
Fan Diameter-height	mm	202-107	Memory	YES
Motor Model	-	FG150A-ZL	Turbo	YES
Motor Insulation Class	-	E	Clock	YES
Motor Safe Class	-	IP23	Temperature	YES
Fan Motor Speed	r/min	940/770/670/570	Self-Diagnosis	YES
Fan Motor Power Output	W	150	Lock	YES
Fan motor running current	A	0.4	LCD (No Back Light)	NO
Evaporator Material	-	Copper tube-Aluminum fin	LCD (Back Light)	YES
Evaporator Face Area	m ²	0.14	LED	NO
Evaporator Face Area	sq. ft	1.50696	Intelligent Defrosting	NO
Evaporator Pipe Diameter	mm	φ7.94	Force Defrosting	YES
Evaporator Number of Rows	-	2	Energy Saving	YES
Evaporator Tube Pitch(a)×Row Pitch(b)	mm	22×19.05	8°C Heating Mode	YES
Evaporator Fin Pitch	mm	1.8	Turbo Cooling	YES
Evaporator Fins per Inch (FPI)	-	14	Low Ambient Cooling	YES
Evaporator Fin Type	-	fenestrate plain and hydrophilic film	Low Ambient Heating	YES
Evaporator Fin Color	-	Blue	Low Voltage Startup	YES
Evaporator Number of Circuits	-	7	Multi Speeds	Speed 4~5
Evaporator Length (L×H×W)	mm	470×308×38	With Access Control System	YES
Evaporator Max. Allowable Pressure	MPa	10	With Water Pump	YES
Air Filter	-	PP	Switchover Between High and Low Static Pressures	YES
Air Filter Size (L×W/NO.)	inch	26.06×9.96/1	Optional Ambient Temperature Sensor	YES
Standard Software and Controller	-	XK76	External Electronic Expansion Valve	YES
Optional Software and Controller	-	YT1FF		
Gas Pipe (to indoor unit)	inch	0.5		
Liquid pipe	inch	0.25		
Connection method	-	Flare Connection		
Drain Connection (outer diameter)	inch	φ0.98		
Dimension of Outline (W×D×H)	inch	32.68×29.68×11.81		
Dimension of Carton Box (L×W×H)	inch	35.2×31.69×13.58		
Dimension of Package (L×W×H)	inch	35.31×31.81×14.17		
Stacked Layers	-	8		
Net Weight	lb.	70.6		
Gross Weight	lb.	83.8		

12,000 BTUH MODEL

Model # 12,000 BTUH 230V



Note: Size refrigerant lines based on evaporator port sizes.

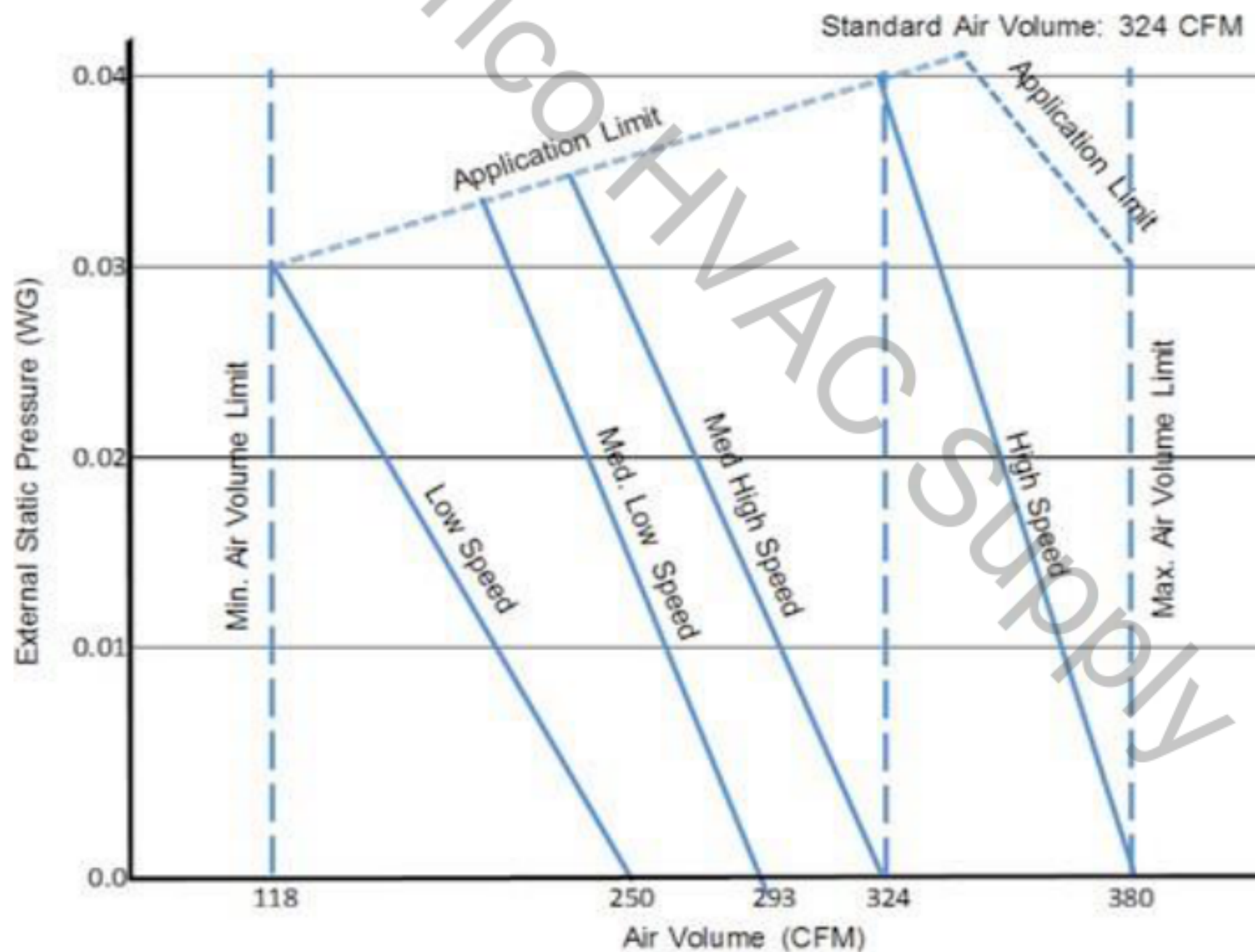
Dimensions

	A	B	C	D	E	F	G	H	I	J
(mm)	742	491	662	620	700	615	782	156	200	635
(inches)	29.2	19.3	26.1	24.4	27.6	24.2	30.8	6.1	7.9	25.0

Weight (Net/Gross) 51/64 lbs.

INDOOR FAN PERFORMANCE DATA

WG = inches of water gauge



Notes:

1. Recommended Interconnecting Cable Type Stranded Bare Copper Conductors THHN 600V Unshielded 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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