



TOSOT

SUBMITTAL DATA

8-way Cassette Indoor Unit 12KBTU

Model: TM12R32BKDI

Job Name

Location

Date

Purchaser

Engineer

Submitted to

For

Unit Designation

Schedule No.



GENERAL FEATURES:

- Quiet Operation
- Multi-Speed Fan
- 8-way Discharge Air
- Internal Condensate Drain Pump
- Swing Louver

- Both Wireless & Wired Remote Controllers
- Power Failure Recovery
- Sentry Condensate Overflow Protection
- Decorative Grille (Sold Separately)
- Limited 5 yr. Parts Warranty

Americo HVAC Supply LLC



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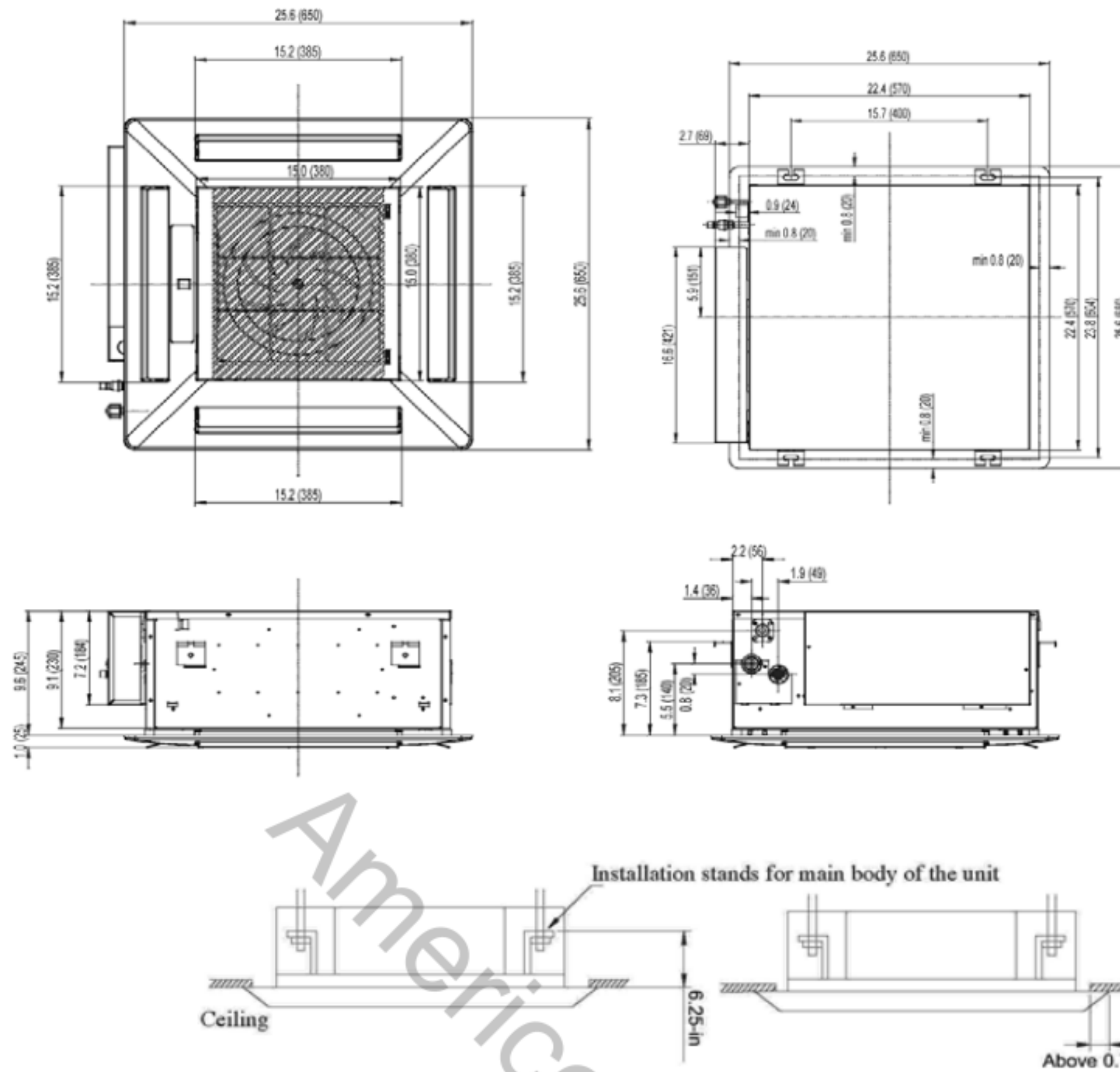
SPECIFICATIONS & FUNCTIONS:

Product Model	TM12R32BKDI		Functions	TM12R32BKDI
Product Type	--	Cassette	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	330/318/288/265/247/224/206	Sleep	Three kinds of sleep curve
Sound Pressure Level	dB (A)	40/38/36/34/32/30/29	Vertical Auto Swing	YES
Rated Dehumidification Capacity	L/h	1.4	Horizontal Auto Swing	NO
Dehumidifying Volume	Pint/h	3	Auto Fan	YES
Cross-sectional Area of Power Cable Conductor	mm ²	0.82	Quiet	YES
Cross-sectional Area of Power Cable Conductor	sq in	0.001271	I Feel	YES
Recommended Power Cable (Core)	N	4	Intelligent Preheating	YES
Fuse Current	A	3.15	Ventilation	NO
Fan Type	-	Centrifugal	Dry Anti-mildew Design	YES
Fan Quantity	-	1	Several Optional Filters (e.g.: Active Carbon)	NO
Fan Diameter-height	mm	φ315-162.5	Auto Clean	NO
Motor Model	-	B-FN30C-ZL	Replaceable Front Panel	NO
Motor Insulation Class	-	E	Outdoor Air Available	NO
Motor Safe Class	-	IP20	High Static Pressure	NO
Motor Full Load Amp (FLA)	A	0.97	Common Static Pressure	YES
Fan Motor Speed (Cooling)	r/min	700/660/600/560/520/480/440	Low Static Pressure	NO
Fan Motor Speed (Heating)	r/min	700/660/600/560/520/480/440	Timer Feature	YES
Fan Motor Power Output	W	30	Memory	YES
Fan Motor Power Input	W	35	Turbo	YES
Evaporator Material	-	Inner Groove Copper Tube-Aluminum fin	Clock	YES
Evaporator Face Area	m ²	0.27	Temperature	YES
Evaporator Face Area	sq.ft	2.9	Self-Diagnosis	YES
Evaporator Pipe Diameter	mm	φ7	Lock	YES
Evaporator Number of Rows	-	2	LCD (No Back Light)	YES
Evaporator Tube Pitch(a)×Row Pitch(b)	mm	19.05×12.7	LCD (Back Light)	NO
Evaporator Fin Pitch	mm	1.6	LED	YES
Evaporator Fins per Inch (FPI)	-	16	Intelligent Defrosting	YES
Evaporator Fin Type	-	Hydrophilic window	Force Defrosting	YES
Evaporator Fin Color	-	Blue	Energy Saving	YES
Evaporator Number of Circuits	-	4	8°C Heating Mode	YES
Evaporator Length (L×H×W)	mm	1176×228.6×25.4	Turbo Cooling	YES
Evaporator Max. Allowable Pressure	MPa	10	Low Ambient Cooling	Optional
Air Filter	-	PP	Low Ambient Heating	Optional
Air Filter Size (L×W/NO.)	inch	14.49×13.89/1	Low Voltage Startup	YES
Standard Software and Controller	-	YAP1F7F(WiFi)	Multi Speeds	Speed 7
Optional Software and Controller	-	XE73-44/E	With Access Control System	YES
Gas Pipe (to indoor unit)	inch	3/8"	With Water Pump	YES
Liquid pipe	inch	1/4"	Switchover Between High and Low Static Pressures	NO
Connection method	-	Flare Connection	Optional Ambient Temperature Sensor	YES
Drain Connection (outer diameter)	inch	φ0.98	External Electronic Expansion Valve	NO
Dimension of Outline (W×D×H)	inch	22.44×22.44×10.43		
Dimension of Carton Box (L×W×H)	inch	27.36×25.59×11.02		
Dimension of Package (L×W×H)	inch	27.48×25.71×11.61		
Stacked Layers	-	9		
Net Weight	lb	37.5		
Gross Weight	lb	48.5		

12,000 BTUH MODEL

Model # 12,000 BTUH 230V

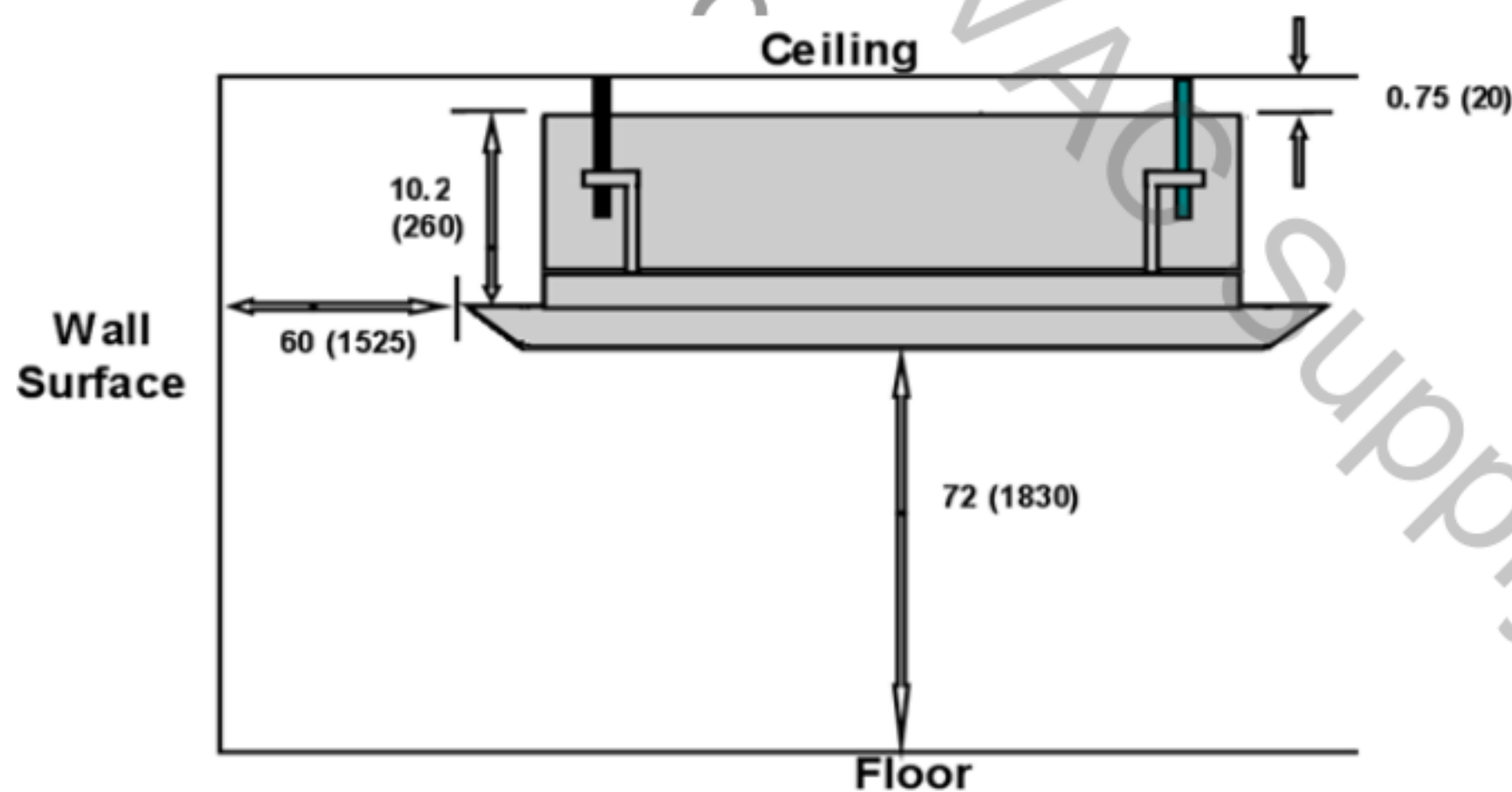
Units: inch (mm)



Note: Size refrigerant lines based on evaporator port sizes.

Weight (Net/Gross) 40/51 lbs

MINIMUM CLEARANCES



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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