

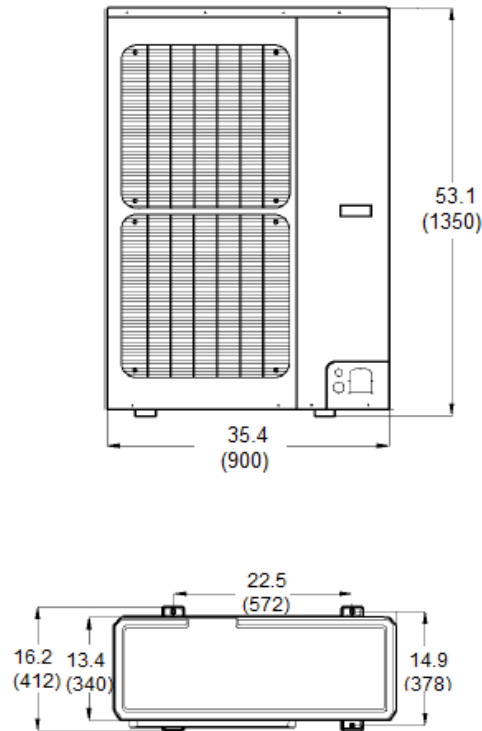
Submittal Data: TM56H2O		56,000 BTUH Super +Multi-port Heat Pump System	
Job Name		Location	
Purchaser		Date	
Submitted To		Engineer	
Submitted To		For ☐ Reference ☐ Approval ☐ Construction	
Unit Designation		Schedule No.	
GENERAL FEATURES -Operates up to 9 Indoor Units -G10 DC Inverter Technology -2-Way & 3-Way Branch Units (Sold Sepatarely) -Acrylic Resin/Anti-Corrosion Coil Protection Inside & Out -Intelligent Defrost -Auto Restart on Power Outages -5 yr. Limited Parts Warranty -7 yr Limited Compressor Warranty			
System Ratings		Outdoor Unit Data	
Cooling Rated Capacity 53,000 BTU/H Capacity Range 3,412-61,416 BTU/H Power Input (Max) 5,600 W SEER 16.0 EER 9.5		Compressor Type DC Inverter Driven Rotary RLA 23.0 A Fan Motor Output Power 2 x 1/6HP FLA 2 x 1.0 A Air Flow (Max) 4,120 CFM	
Heating at 47° F Rated Capacity 61,500 BTU/H Capacity Range 4,094-63,122 BTU/H Input Power (Max) 5,200 W HSPF 8.2 COP 3.5		Sound Pressure Cooling 57 db(A) Heating 57 db(A)	
Heating at 17° F Rated Capacity 43,500 BTU/H Capacity (Max) 51,901 BTU/H		Refrigerant Piping Data Max. Number of Indoor Units 9 Connection Method Flared Refrigerant Type R410A Additional Charge Per Line Length 0.54-oz/ft Factory Charge for Total Line Length 98-ft	
Operating Range Cooling (Max) 118°F (48 C) (Min) 5°F (-15 C) Heating (Max) 75°F (24 C) (Min) -4°F (-20 C)		Total Refrigerant Pipe Length 476-ft Max Refrigerant Piping Length to any Indoor Unit 230-ft Min Refrigerant Piping Length to any Indoor Unit 10-ft Max Elevation between Indoor Units 50-ft Max Lift from Outdoor to Indoor Unit 98-ft Max Drop from Outdoor to Indoor Unit 98-ft	
Power Supply Normal Operational Voltage 208/230 V, 1 Phase, 60 Hz Voltage Range 187 - 253 V MCA 30.0 A MOCP/Breaker Size 50 A			



Units: inch (mm)

56,000 BTUH MODEL

Model# TM56H2O 56,000 BTUH 230V

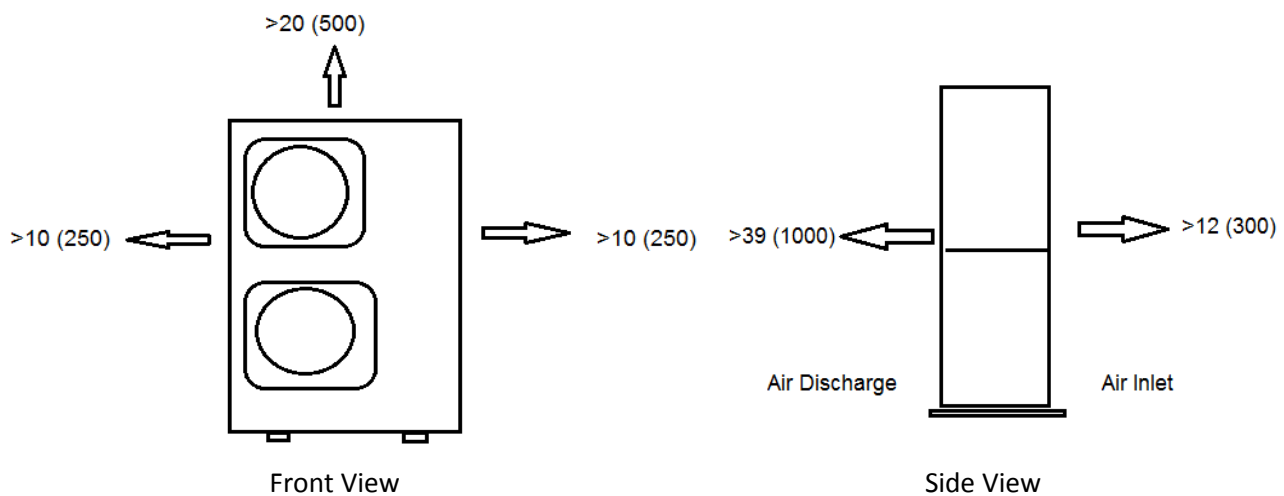


Net Weight	256 lbs
Shipping Weight	276 lbs

Liquid Line Port Size	3/8-in OD Flared
Suction/Gas Line Port Size	5/8-in OD Flared

MINIMUM SPACING REQUIREMENTS

Units: inch (mm)



Notes:

1. Communication Cable minimum 18 AWG Type Stranded Copper Conductors THHN 600V Unshielded Wire
2. Power wiring cable size must comply with applicable national and local codes.

COOLING PERFORMANCE

Outdoor Ambient Temperature (DB)	Indoor Entering Air Temperatures (DB) 50% RH					
	62 F		67 F		72 F	
	TC	SHC	TC	SHC	TC	SHC
25 F	55,212	46,540	58,192	48,511	59,860	49,939
35 F	54,292	45,497	57,216	47,388	58,704	48,828
45 F	53,716	43,810	56,888	46,275	57,980	47,276
55 F	53,010	43,065	56,550	45,199	57,310	46,728
65 F	55,525	44,035	58,780	47,503	59,600	49,258
75 F	54,840	43,937	57,120	45,836	58,824	48,325
85 F	53,200	42,125	55,786	43,424	57,600	47,063
95 F	51,200	41,723	52,000	43,960	53,760	44,865
105 F	46,290	38,582	47,912	41,254	48,600	42,642
115 F	40,200	36,357	41,200	37,512	41,900	38,441

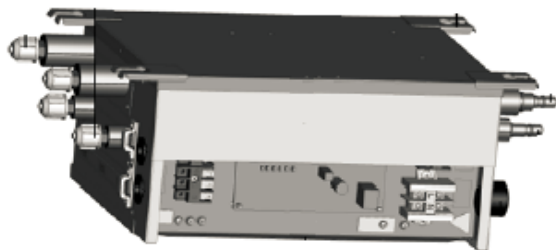
HEATING PERFORMANCE

Outdoor Ambient Temperature (DB) (80% RH)	Indoor Entering Air Temperatures (DB)					
	65 F		70 F		75 F	
	TC	SHC	TC	SHC	TC	SHC
5 F	33,429	33,429	32,776	32,776	31,973	31,973
15 F	43,422	43,422	42,867	42,867	42,164	42,164
25 F	47,988	47,988	47,384	47,384	46,857	46,857
35 F	55,286	55,286	54,491	54,491	53,876	53,876
45 F	60,759	60,759	59,710	59,710	58,913	58,913
55 F	62,118	62,118	61,235	61,235	60,690	60,690
65 F	62,611	62,611	62,173	62,173	61,749	61,749

TC- Total Capacity (BtuH)

SHC- Sensible Capacity (BtuH)

BRANCH (BU) SPECIFICATIONS



1-Port In/2-Ports Out
Model no: RFX12A



1-Port In/3-Ports Out
Model no: RFX13A

Electrical

		RFX12A	RFX13A
No. of Indoor Units		2	3
Power Supply	volts	208/230v	208/230v
Rated Current	amps	3.15	3.15
MOCP	amps	15	15

Piping

		RFX12A	RFX13A
Max Equivalent Length (BU to last Indoor Unit)	ft	60	60

Notes:

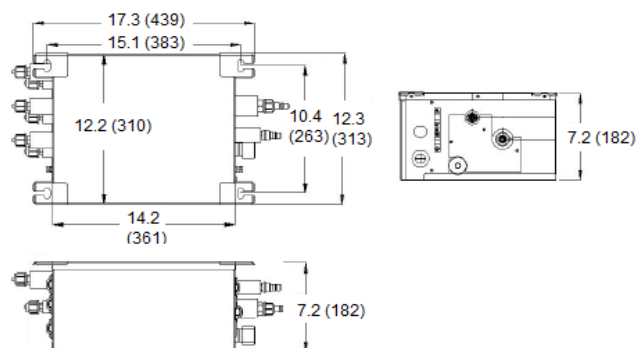
1. Communication Cable minimum 18 AWG Type Stranded Copper Conductors THHN 600V Unshielded Wire
2. Power wiring cable size must comply with applicable national and local codes.

BRANCH (BU) BOX DIMENSIONAL SPECIFICATIONS

Units: inch (mm)

1-Port In/2-Ports Out

Model no: RFX12A



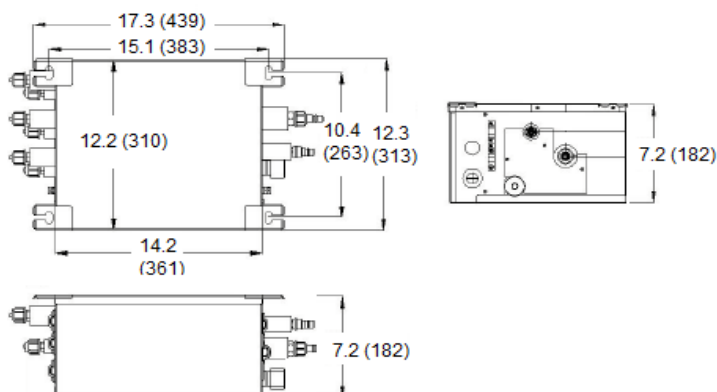
	Indoor Unit Side		Outdoor Unit Side ¹
	Port A ¹	Port B ¹	
Liquid Pipe	φ1/4	φ1/4	φ3/8
Gas Pipe	φ3/8	φ3/8	φ5/8

(1) Flare Fittings

Weight	
Net	Gross
12 lbs	16 lbs

1-Port In/3-Ports Out

Model no: RFX13A



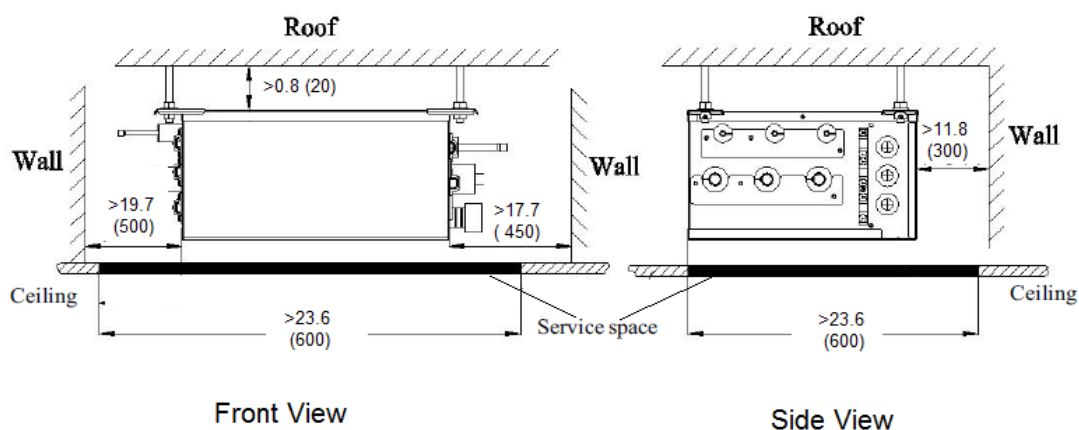
	Indoor Unit Side			Outdoor Unit Side ¹
	Port A ¹	Port B ¹	Port C ¹	
Liquid Pipe	φ1/4	φ1/4	φ1/4	φ3/8
Gas Pipe	φ3/8	φ3/8	φ3/8	φ5/8

(1) Flare
Fittings

Weight	
Net	Gross
13 lbs	17 lbs

MINIMUM SPACING REQUIREMENTS

Units: inch (mm)



Notes:

1. Recommended Interconnecting Cable Type Stranded Copper Conductors THHN 600V Unshielded Wire
2. Power wiring cable size must comply with applicable national and local codes.



Model Number & Description

Ceiling Cassette

TM12HKDI	12,000 BtuH
TM18HKDI	18,000 BtuH
TM24HKDI	24,000 BtuH



Universal Floor/Ceiling

TM09HTDI	9,000 BtuH
TM12HTDI	12,000 BtuH
TM18HTDI	18,000 BtuH
TM24HTDI	24,000 BtuH

Wall Mounted
(23 SEER 230V
IDU Models)

TW09HQ2C2DI	9,000 BtuH
TW12HQ2C2DI	12,000 BtuH
TW18HQ2C2DI	18,000 BtuH
TW24HQ2C2DI	24,000 BtuH



Slim Duct

TM09HFDI	9,000 BtuH
TM12HFDI	12,000 BtuH
TM18HFDI	18,000 BtuH
TM24HFDI	24,000 BtuH



Mini -Console

TM09HEDI	9,000 BtuH
TM12HEDI	12,000 BtuH
TM18HEDI	18,000 BtuH



Branch (BU) Boxes

RFX12A	1-Port In/2-Ports Out
RFX13A	1-Port In/3-Ports Out

Copper Y-Branch Conne LN01300110

Liquid Branch & Gas Branch