

Submittal Data: 80 **48000 BTUH Slim Duct Heat Pump System**

Job Name Location Date

Purchaser Engineer

Submitted To For Reference Approval Construction

Unit Designation Schedule No.

GENERAL FEATURES
 -Multi-Speed Fan
 -Medium Static Pressure Capability
 -Return Air From Rear Only
 -Internal Condensate Drain Pump
 -Sentry Condensate Overflow Protection
 -XK60 Wired Remote Controllers
 -Acrylic Resin/Anti-Corrosion Fin Coating
 -5 yr. Limited Parts & Compressor Warranty (Residential Only)

AHRI Certified Ref No: 7631500

System Ratings

Indoor Unit Data

Cooling
 Rated Capacity 48000 BTU/H
 Capacity Range 20400-49500 BTU/H
 Power Input (Max) 5600 W
 SEER 16.0
 EER 9.3
Heating at 47° F
 Rated Capacity 54500 BTU/H
 Capacity Range 17500-58000 BTU/H
 Power Input (Max) 5500 W
 HSPF 9.0
 COP 3.1
Heating at 17° F
 Rated Capacity 30600 BTU/H
Operating Range
 Cooling (Max) 118°F (48°C)
 (Min) 0°F (-18°C)
 Heating (Max) 75°F (24°C)
 (Min) 0°F (-18°C)
Refrigerant Piping Data
 Gas Pipe Size (OD) 5/8-in
 Liquid Pipe Size (OD) 3/8-in
 Connection Method Flared
 Factory Charge 140.8 oz
 Additional Charge 0.6 oz/ft
 Pre-Charge Length 25-ft
 MAX Refrigerant Pipe Length 230-ft
 MIN Refrigerant Pipe Length 10-ft
 MAX Refrigerant Pipe Elevation 49-ft

Fan Motor Output Power 559
 FLA 4 A
Airflow
 Cooling Wet (Lo/Hi) 900/1470 CFM
 Heating Dry (Lo/Hi) 900/1470 CFM
Sound Pressure Level
 Cooling (Min/Max) 41/53 dB(A)
 Heating (Min/Max) 41/53 dB(A)
Dehumidification 1.80 pt/hr
Condensate Drain Lift (Height) 33-in
Power Supply
 Normal Operational Voltage 208/230 V, 1 Phase, 60 Hz
 Voltage Range 187 - 253 V
 Interconnecting Wire Size 18-2 AWG / 300V THHN
 MCA 5.0A
 MOCP/Breaker Size 15A

Outdoor Unit Data

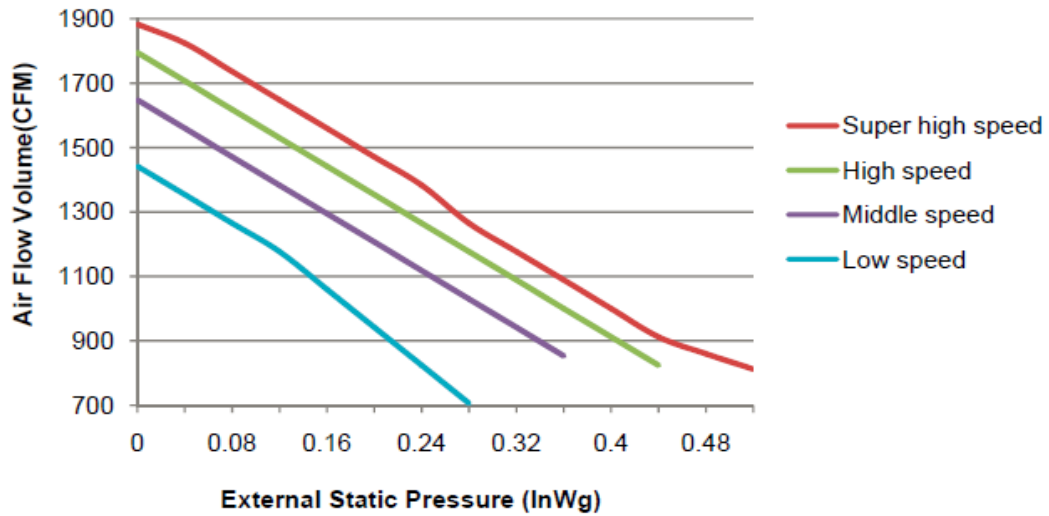
Compressor DC Inverter Driven Rotary
 RLA 35.5 A
Refrigerant Type R410A
Fan Motor Output Power 2 x 1/6HP
 FLA 2 x 2.0 A
Sound Pressure Level
 Cooling/Heating 59/59 dB(A)
Power Supply
 Normal Operational Voltage 208/230 V, 1 Phase, 60 Hz
 Voltage Range 187 - 253 V
 Main Supply Wire Size 8 AWG
 MCA 36.5 A
 MOCP/Breaker Size 60 A



SYSTEM FEATURES	
Inverter Type	G10
Ultra Low Frequency Torque Control	YES
Power Factor Correction	YES
Compressor Type	Rotary
Refrigerant Type	R410A
Basepan With Electric Heater	YES
Compressor With Electric Heater	NO
Outdoor Fin Coating	Acrylic Resin
Intelligent Defrosting	YES
Intelligent Preheating	YES
Low Voltage Startup	YES
Memory/Power Failure Recovery	YES
Self Diagnosis	YES
Low Ambient Cooling	YES
Internal Condensate Pump	YES
XK60 Wired Controller Interface	YES
Wi-Fi Interface	NO
Indoor Fan Type	Centrifugal
Multi Fan Speeds	3 Speeds
LED Display Indoor Unit	NO
Advance Filter	NO
Auxiliary Electrical Heater	NO
Ventilation (Outdoor Air)	Optional

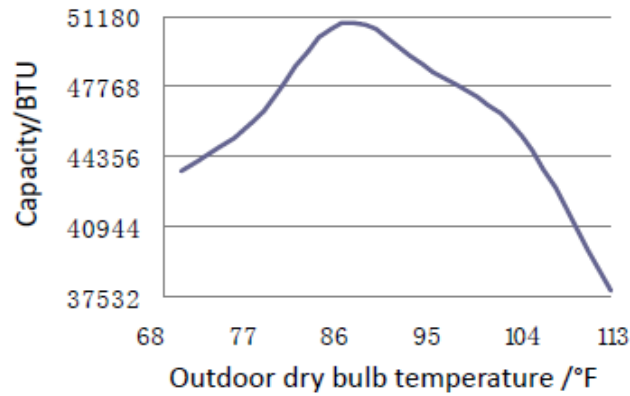
WIRED CONTROLLER FUNCTIONS	
Auto Mode	YES
Auto Fan	YES
Auto Swing (Continuous Sweep)	NO
Adjustable Swing Louvers (5 pos.)	NO
Clock on Remote Controller	YES
Dry Mode	YES
Dry Anti-Mildew (X-Fan) Mode	YES
Energy Saving Mode	NO
Dirty Filter Alert	NO
I Feel Function	YES
Lock on Wired Controller	YES
Quiet Mode	NO
Room Temperature Display (5 sec.)	YES
Sleep Mode	YES
Timer Mode	YES
Turbo Mode	YES
Display On/Off Control	NO
Freeze Guard Mode	YES

FAN PERFORMANCE CURVES

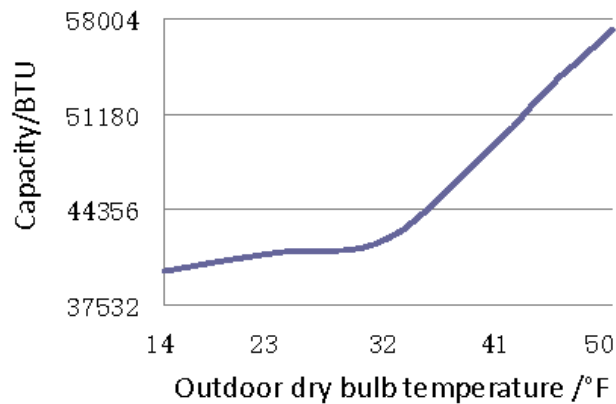


EXTENDED RATINGS

COOLING PERFORMANCE



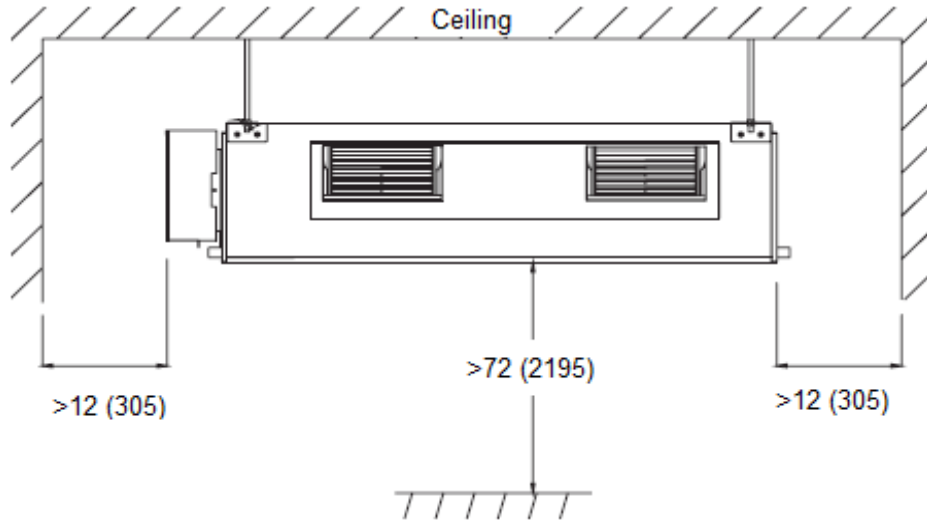
HEATING PERFORMANCE



MINIMUM SPACING REQUIREMENTS

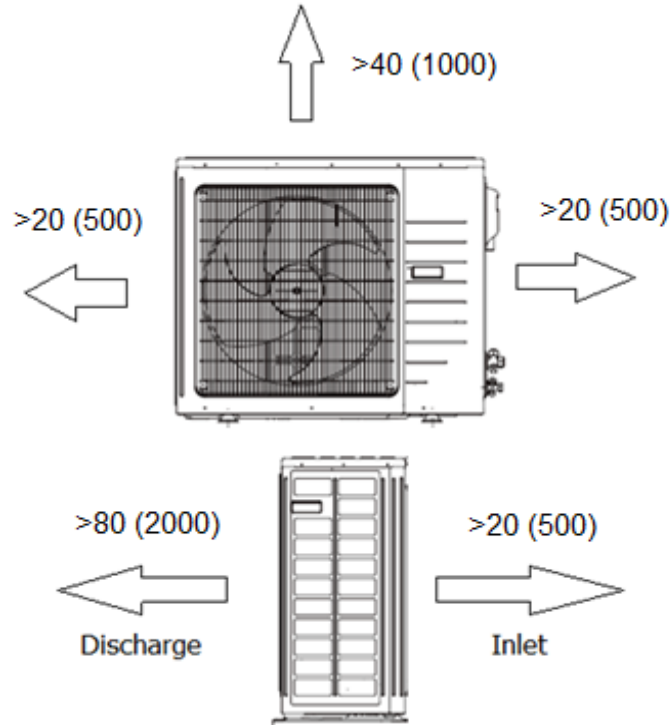
Units: inch (mm)

INDOOR



Units: inch (mm)

OUTDOOR

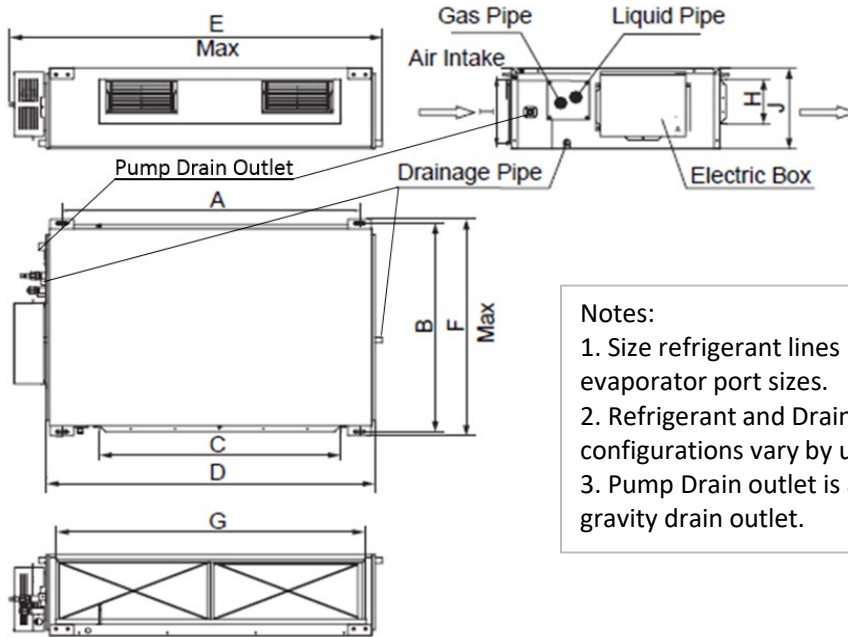


DIMENSIONAL SPECIFICATIONS

SC-48CD-UM

INDOOR UNIT DIMENSIONS & WEIGHTS

Units: inch (mm)



Notes:
 1. Size refrigerant lines based on evaporator port sizes.
 2. Refrigerant and Drain pipe configurations vary by unit size.
 3. Pump Drain outlet is above gravity drain outlet.

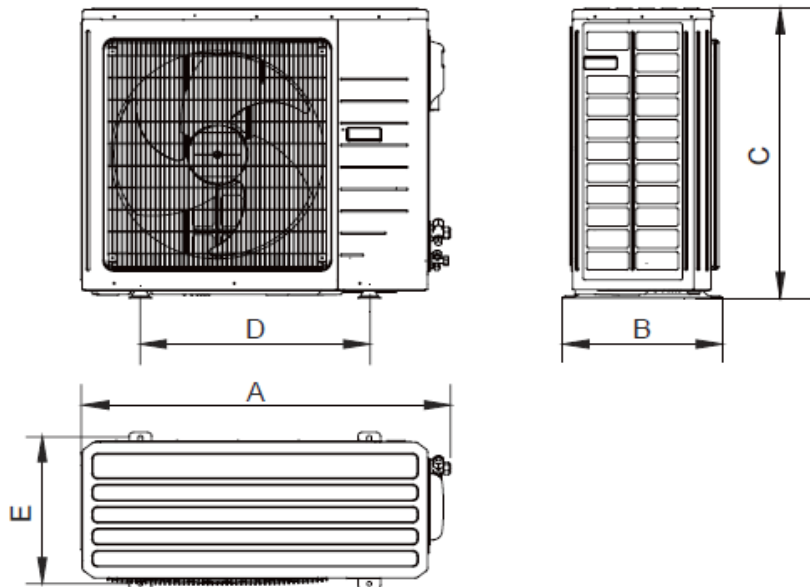
A	43.375	(1177)
B	25.375	(646)
C	33.5	(852)
D	45.25	(1150)
E	52.75	(1340)
F	29.5	(750)
G	37.5	(953)
H	7.5	(190)
I	12.5	(316)
J	13.75	(350)

Net Weight	123.2 lbs
Shipping Weight	154.0 lbs

Liquid Line Valve	3/8-in OD Flared
Gas Line Valve	5/8-in OD Flared
Drain Connector	13/16 in OD

OUTDOOR UNIT DIMENSIONS & WEIGHTS

Units: inch (mm)



A	37.75	(958)
B	16.25	(412)
C	53.125	(1349)
D	22.5	(572)
E	14.75	(376)

Net Weight	231.0 lbs
Shipping Weight	253.0 lbs

Liquid Line Valve	3/8-in OD Flared
Gas Line Valve	5/8-in OD Flared

- Notes:**
1. Recommended Communication Wire Type 18-2 AWG Stranded Copper THHN 300V Wire
 2. Power wiring size must comply with applicable national and local codes.
 3. Test conditions are based on AHRI 210/240.

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