



Submittal Data Sheet

3.5-Ton Roundflow Sensing Cassette Heat Pump SkyAir System
FCQ42AAVJURZQ42TBVJUA

FEATURES

- True 360° Airflow and three room sensors enables optimized occupant comfort and efficiency
- 18 different possible airflow patterns, ensuring ideal air distribution to maximize comfort and efficiency
- Dependable heat pump operation from -4°F in heating to 122°F in cooling

INDOOR UNIT



BENEFITS

- Compact design to allow for installation in small ceiling voids
- Long piping lengths allow layout flexibility
- 10-year parts limited warranty for residential/commercial applications

OUTDOOR UNIT





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SYSTEM PERFORMANCE

Indoor Unit Model No.	FCQ42AAVJU	Indoor Unit Name:	Sky-Air Round Flow Sensing Cassette
Outdoor Unit Model No.	RZQ42TBVJUA	Outdoor Unit Name:	3.5-Ton, Heat Pump, SkyAir ODU
Rated Cooling Capacity (Btu/hr):	42,000	Rated Cooling Conditions:	Indoor (°F DB/WB): 80 / 67 Ambient (°F DB/WB): 95 / 75
Sensible Capacity (Btu/hr):		Rated Piping Length(ft):	25
Max/Min Cooling Capacity (Btu/hr):	/	Rated Height Difference (ft):	0.00
Cooling Input Power (kW):	217.000	Heating Input Power (kW):	207.00
SEER2 (Non-Ducted/Ducted):	18.90 /	HSPF2 (Non-Ducted/Ducted):	10.2 /
EER2 (Non-Ducted/Ducted):	10.30 /		
Rated Heating Capacity (Btu/hr):	47,000	Rated Heating Conditions:	Indoor (°F DB/WB): 70 / 60 Ambient (°F DB/WB): 47 / 43

SYSTEM DETAILS

Refrigerant Type:	R-410A	Cooling Operation Range (°F DB):	23 - 122
Holding Refrigerant Charge (lbs):	7.9	Heating Operation Range (°F WB):	-4 - 60
Additional Charge (lb/ft):	0.58	Max. Pipe Length (Vertical) (ft):	98
Pre-charge Piping (Length) (ft):	25	Cooling Range w/Baffle (°F DB):	0 - 122
Max. Pipe Length (Total) (ft):	230		
Max Height Separation (Ind to Ind ft):	0		



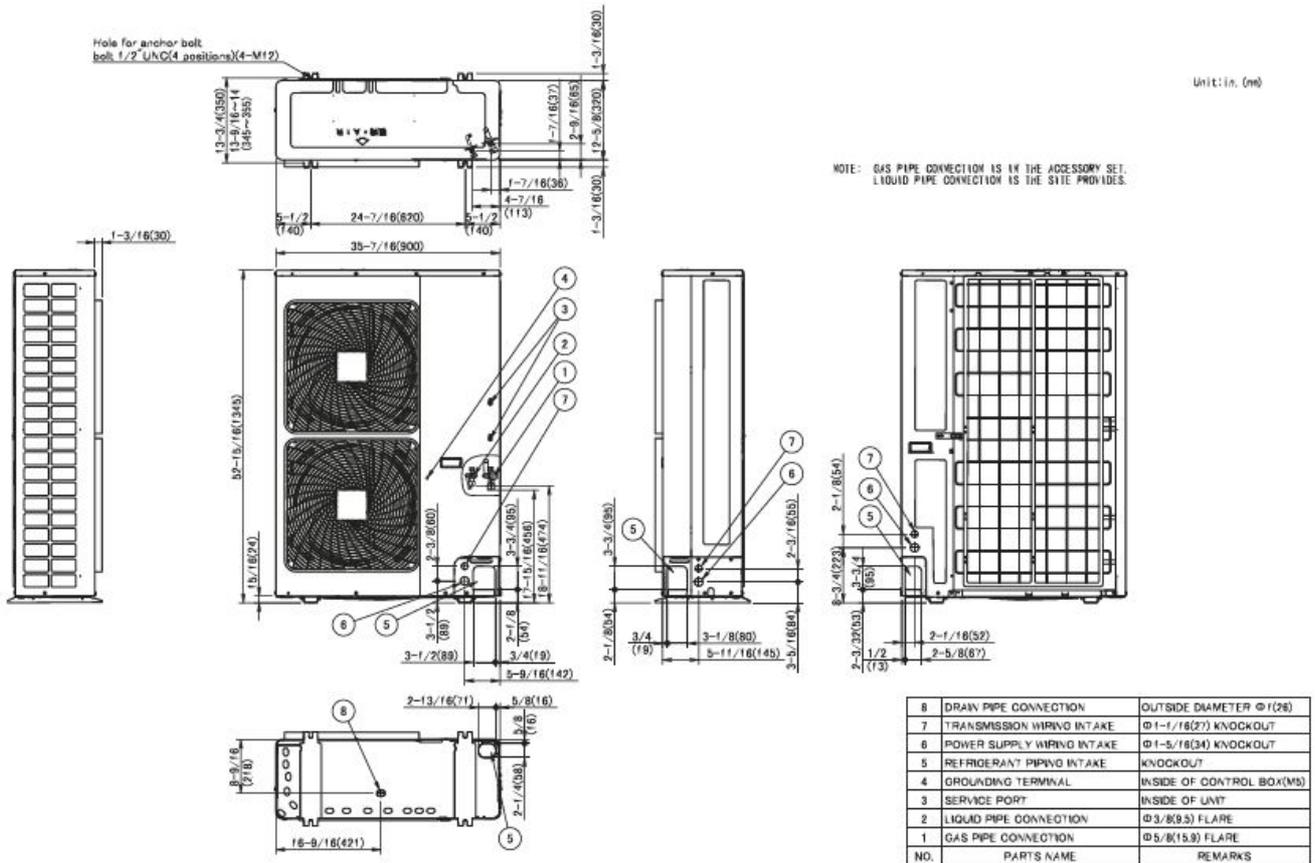
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OUTDOOR UNIT DETAILS

Power Supply (V/Hz/Ph):	208-230 / 60 / 1	Compressor Stage:	Inverter
Power Supply Connections:	L1, L2, Ground	Capacity Control Range (%):	-
Min. Circuit Amps MCA (A):	29.1	Airflow Rate (H) (CFM):	3741
Max Overcurrent Protection (MOP) (A):	35	Gas Pipe Connection (inch):	5/8
Max Starting Current MSC(A):		Liquid Pipe Connection (inch):	3/8
Rated Load Amps RLA(A):		Sound Pressure (H) (dBA):	57
Dimensions (HxWxD) (in):	52-15/16 x 35-7/16 x 12-5/8	Sound Power Level (dBA):	
Net Weight (lb):	225		

DIMENSIONAL DRAWING - OUTDOOR UNIT



3D126498



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INDOOR ACCESSORIES

PART NUMBER	DESCRIPTION	INCLUDED
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AZAI6WSCDKA	DKN Cloud Wi-Fi Adaptor (P1P2)	No
AZAI6WSPDKC	DKN Plus Interface	No
BRC1E73	Navigation Remote Controller III(73)	No
BRC1H71W	Madoka Remote Controller	No
BRC2A71	Simplified Wired Controller	No
BYCQ54EEFU	FCQ Decorative Panel	No
BYCQ54EEGFU	Self Cleaning Decorative Panel	No
DACA-CP1-1	Mini Aqua Condensate Pump	No
DACA-FQP131B	MERV 13 Replacement Filter (20.5x20.5x1.5merv13 filtr12 pc)	No
DACA-FQP131K	Merv 13 Filter Kit (20.5x20.5x1.5)	No
DCS301C71	Unified On/Off Controller	No
DCS302C71	Centralized Controller	No
DCS601C71	i-Touch Controller (ITC)	No
DST301BA61	Schedule Timer	No
DTA104A62	Outdoor Unit External Control Adapter PCB	No
DTA109A51	DIII Net Expander PCB	No
DTA114A61	PCB FOR MULTI-TENANT USE	No
DTST-ONE-ADA-A	Daikin One+ Smart Thermostat for VRV, SkyAir, Single- and Multi-Zone System	No
KAFP554A160	Replacement filter for BYCQ125BGW1	No
KDBH55K160F	Sealing material for air discharge outlet (Self Cleaning Deco Panel)	No
KDBHQ55B140	Sealing material for air discharge outlet (Std Deco Panel)	No
KDBP55H160FA	Panel Spacer	No
KDDP55B160K	Air intake kit, w T pipe (for Std panel BYCQ125B-W1 panel)	No
KDDQ55B140	Fresh Air Intake Kit (Chamber Type without T-Shape)	No



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INDOOR ACCESSORIES

PART NUMBER	DESCRIPTION	INCLUDED
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KJB212AA	Electrical Fixing Box	No
KJB311AA	Electrical Fixing Box	No
KRCSH2018-01	Button Sensor Kit	No
KRP1C75	Wiring Adapter PCB	No
KRP4A74	Group Control Adaptor PCB (Installation box for adaptor PCB "KRP1BB101" is necessary)	No

OUTDOOR ACCESSORIES

PART NUMBER	DESCRIPTION	INCLUDED
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BRP2A82	ABC Terminal for VRV IV S	No
DACA-WB-3	Powder-Coated Wall-Mounted Bracket	No
KEHJ5A160E	230v single phase pan heater	No
KPS00344	Snow Visor for Single & Double Fan	No
KPS00401	Front Snowhood assy for Double Fan	No
KPS00402	Side Snowhood assy for Double Fan	No
KPS00403	Rear Snowhood assy for Double Fan	No
KPW5F80	Air Adjustment Grille (30,36,42,48 & 60 require 2 each)	No
VRVQA-SH-DF	VRV and SkyAir Double Fan Snow Hood Kit	No