Submittal Data Sheet
4.0-Ton Ducted Concealed Heat Pump SkyAir System

FBQ48TBVJURZQ48TBVJUA

FEATURES

- Medium external static pressure (ESP) capabilities offer up to 0.8" W.G.
- Connect to Daikin Zoning Kit (Optional)
- Dependable heat pump operation from -4°F in heating to 122°F in cooling

BENEFITS

- Low profile design at less than 12â€ high
- Long piping lengths allow layout flexibility
- 10-year parts limited warranty for residential/commercial applications

INDOOR UNIT

OUTDOOR UNIT

Daikin North America LLC, 19001 Kermier Rd, Waller, TX 77484

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DAIKIN

Submittal Data Sheet
4.0-Ton Ducted Concealed Heat Pump SkyAir System
FBQ48TBVJURZQ48TBVJUA

SYSTEM PERFORMANCE

Indoor Unit Model No.	FBQ48TBVJU	Indoor Unit Name:	Sky-Air DC Ducted
Outdoor Unit Model No.	RZQ48TBVJUA	Outdoor Unit Name:	4.0-Ton, Heat Pump, SkyAir ODU
Rated Cooling Capacity (Btu/hr):	46,500	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):	464.000	Heating Input Power (kW):	458.00
SEER2 (Non-Ducted/Ducted):	/ 15.30	HSPF2 (Non-Ducted/Ducted):	/ 9.3
EER2 (Non-Ducted/Ducted):	/ 8.30		
Rated Heating Capacity (Btu/hr):	54,000	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		

Submittal Data Sheet
4.0-Ton Ducted Concealed Heat Pump SkyAir System

FBQ48TBVJURZQ48TBVJUA

INDOOR UNIT DETAILS

Power Supply (V/Hz/Ph):	208/230 / 60 / 1	Airflow Rate (H/M/L) (CFM):	1377/1,130/918
Power Supply Connections:	L1, L2, Ground	Moisture Removal (Gal/hr):	
Min. Circuit Amps MCA (A):	3.6	Gas Pipe Connection (inch):	5/8
Max Overcurrent Protection (MOP) (A):	15	Liquid Pipe Connection (inch):	3/8
Dimensions (HxWxD) (in):	9-11/16 x 55-1/8 x 31-1/2	Condensate Connection (inch):	1
Net Weight (lb):	104	Sound Pressure (H/M/L) (dBA):	48/44/39
Ext. Static Pressure (Rated/Max) (inWg):	.8 / .8	Sound Power Level (dBA):	

DIMENSIONAL DRAWING - INDOOR UNIT

FBQ30 - 48TBVJU

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Submittal Data Sheet

4.0-Ton Ducted Concealed Heat Pump SkyAir System

FBQ48TBVJURZQ48TBVJUA

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):	3471
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
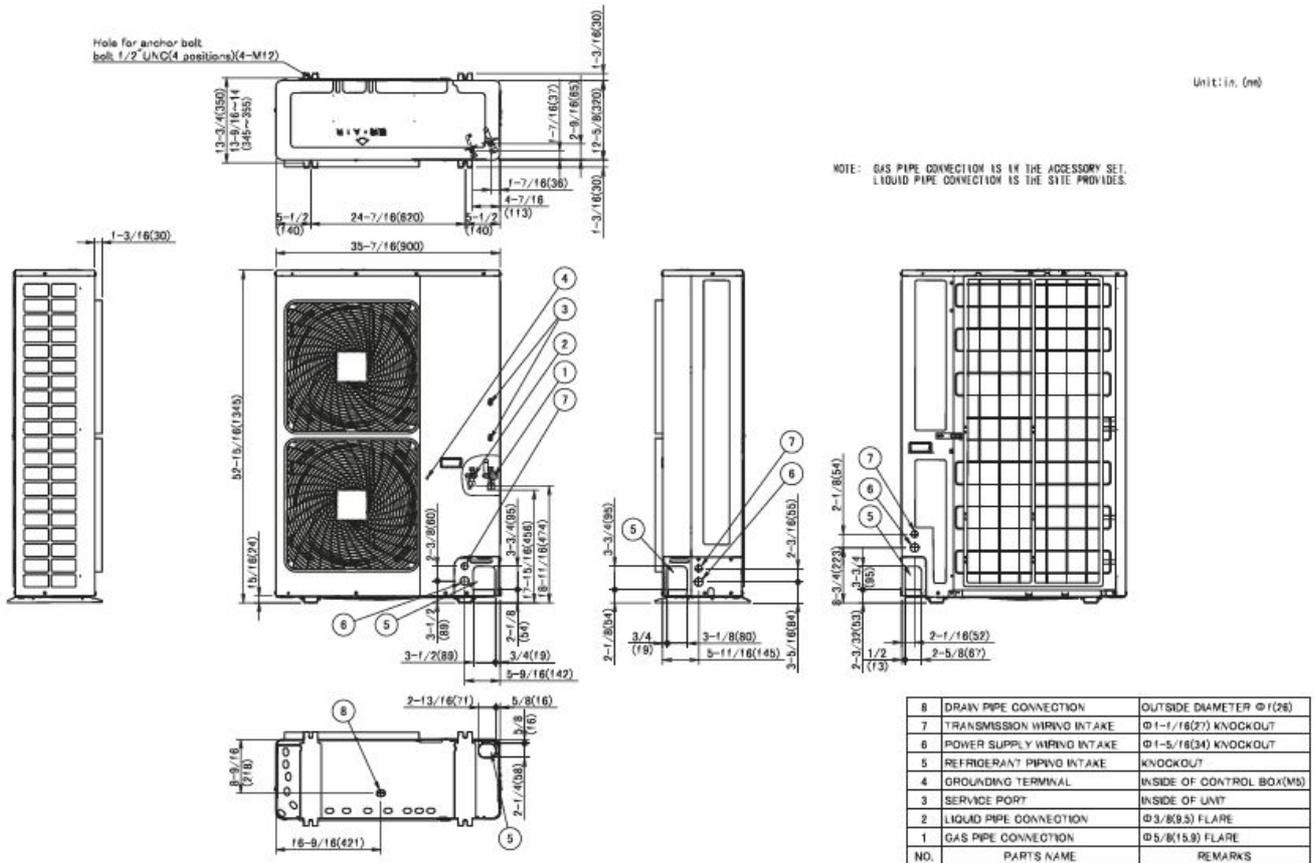
NO.	PARTS NAME	REMARKS
8	DRAIN PIPE CONNECTION	OUTSIDE DIAMETER Φ1(26)
7	TRANSMISSION WIRING INTAKE	Φ1-1/16(27) KNOCKOUT
6	POWER SUPPLY WIRING INTAKE	Φ1-5/16(34) KNOCKOUT
5	REFRIGERANT PIPING INTAKE	KNOCKOUT
4	GROUNDING TERMINAL	INSIDE OF CONTROL BOX(M5)
3	SERVICE PORT	INSIDE OF UNIT
2	LIQUID PIPE CONNECTION	Φ3/8(9.5) FLARE
1	GAS PIPE CONNECTION	Φ5/8(15.9) FLARE

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INDOOR ACCESSORIES

PART NUMBER	DESCRIPTION	INCLUDED
AZAI6WSCDKA	DKN Cloud Wi-Fi Adaptor (P1P2)	No
AZAI6WSPDKC	DKN Plus Interface	No
BRC082A43	IR controller for FDMQ	No
BRC1E73	Navigation Remote Controller III(73)	No
BRC1H71W	Madoka Remote Controller	No
BRC2A71	Simplified Wired Controller	No
BRC4C82	Wireless Remote Control Kit	No
DACA-CP1-1	Mini Aqua Condensate Pump	No
DACA-CP3-1	Si-30 Condensate Pump	No
DCS301C71	Unified On/Off Controller	No
DCS302C71	Centralized Controller	No
DFBS55A13	MERV 13 Filter Kit for FXSQ	No
DST301BA61	Schedule Timer	No
DTA104A61	Outdoor Unit External Control Adapter PCB	No
DTA109A51	DIII Net Expander PCB	No
DTST-ONE-ADA-A	Daikin One+ Smart Thermostat for VRV, SkyAir, Single- and Multi-Zone System	No
DZKS048E4-4	DZK Zoning Box 4X8"	No
DZKS048E6-4	DZK Zoning Box 6X6"	No
KJB212AA	Electrical Fixing Box	No
KJB311AA	Electrical Fixing Box	No
KRCS01-4B	Remote Sensor Kit, (FBQ, FCQ, FTQ, FXFQ, FXMQ, FXTQ)	No
KRCS01-6B	Remote Sensor	No
KRCSH2018-01	Button Sensor Kit	No
KRP1C74	Wiring Adapter PCB	No

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INDOOR ACCESSORIES

PART NUMBER	DESCRIPTION	INCLUDED
KRP4A71	Group Control Adaptor PCB	No
KRP4A96	Mounting Plate for Accessory PCB	No

OUTDOOR ACCESSORIES

PART NUMBER	DESCRIPTION	INCLUDED
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

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