



Submittal Data Sheet
4.0-Ton DC Ducted Unit
FBQ48TBVJURZQ48TBVJUA

SYSTEM PERFORMANCE

Indoor Unit Model No.	FBQ48TBVJU	Indoor Unit Name:	HSP Ducted Concealed
Outdoor Unit Model No.	RZQ48TBVJUA	Outdoor Unit Name:	Sky Air 4.0 Ton ODU
Rated Cooling Capacity (Btu/hr):	46,500	Rated Cooling Conditions:	Indoor (°F DB/WB): 80 / 67 Ambient (°F DB/WB): 95 / 75
Heating Capacity (Btu/hr) @ 47(°F DB)	54,000	Heating Capacity (Btu/hr) @ 17(°F DB)	38,000
Sensible Capacity (Btu/hr):	35,000	Rated Piping Length(ft):	25
SEER2 (Ducted)	15.3	Rated Height Difference (ft):	0
EER2 (Ducted)	8.3	HSPF2	9.3

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):	0.04	Max. Pipe Length (Vertical) (ft):	98
Pre-charge Piping (Length) (ft):	15	Cooling Range w/Baffle (°F DB):	0-122
Max. Pipe Length (Total) (ft):	230	Max Height Separation (Ind to Ind ft)	0

INDOOR UNIT

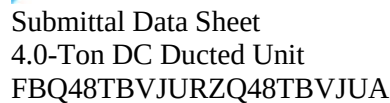


OUTDOOR UNIT

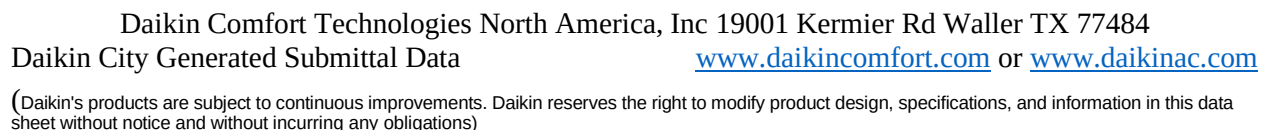


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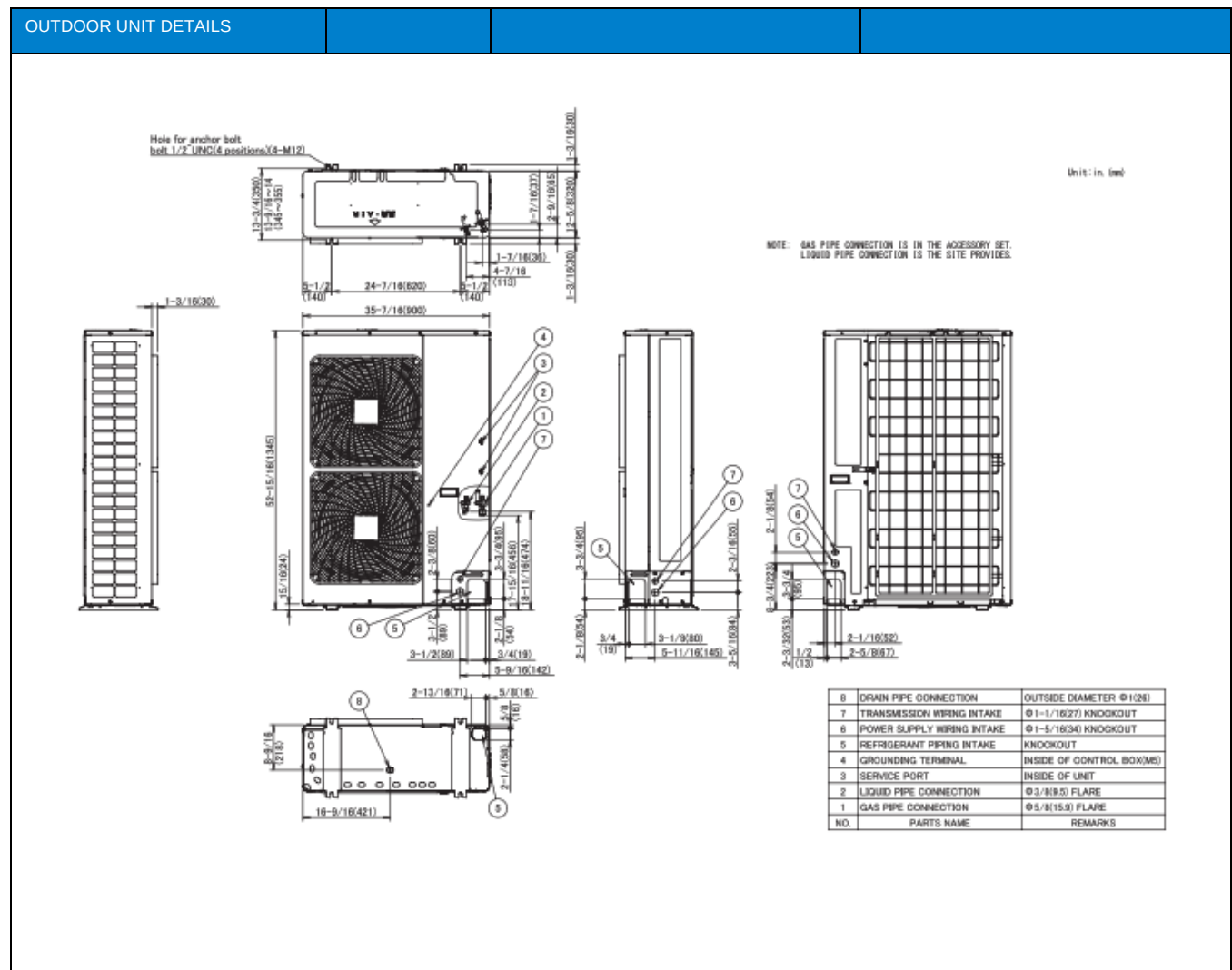
INDOOR UNIT DETAILS



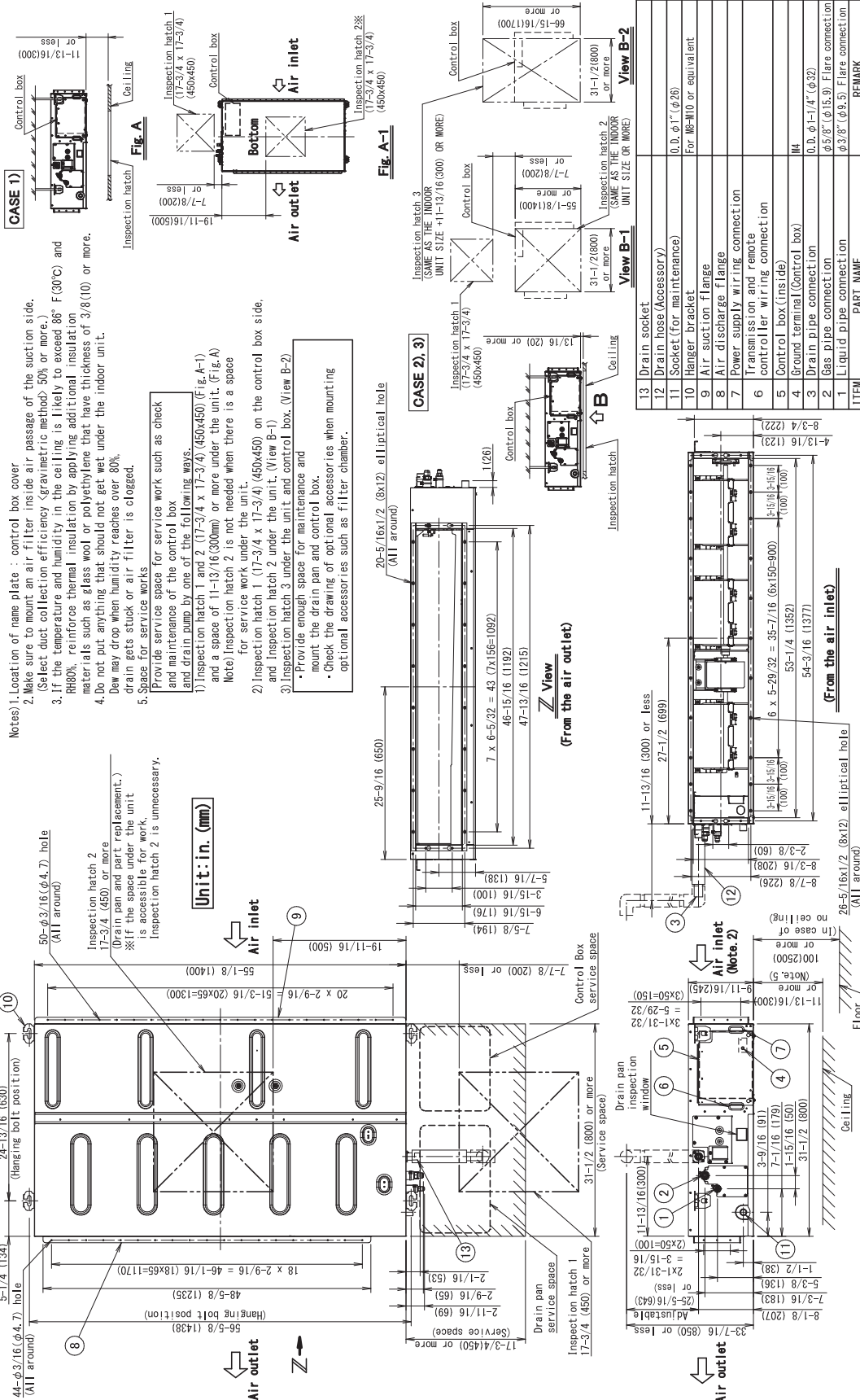


Submittal Data Sheet
4.0-Ton DC Ducted Unit
FBQ48TBVJURZQ48TBVJUA

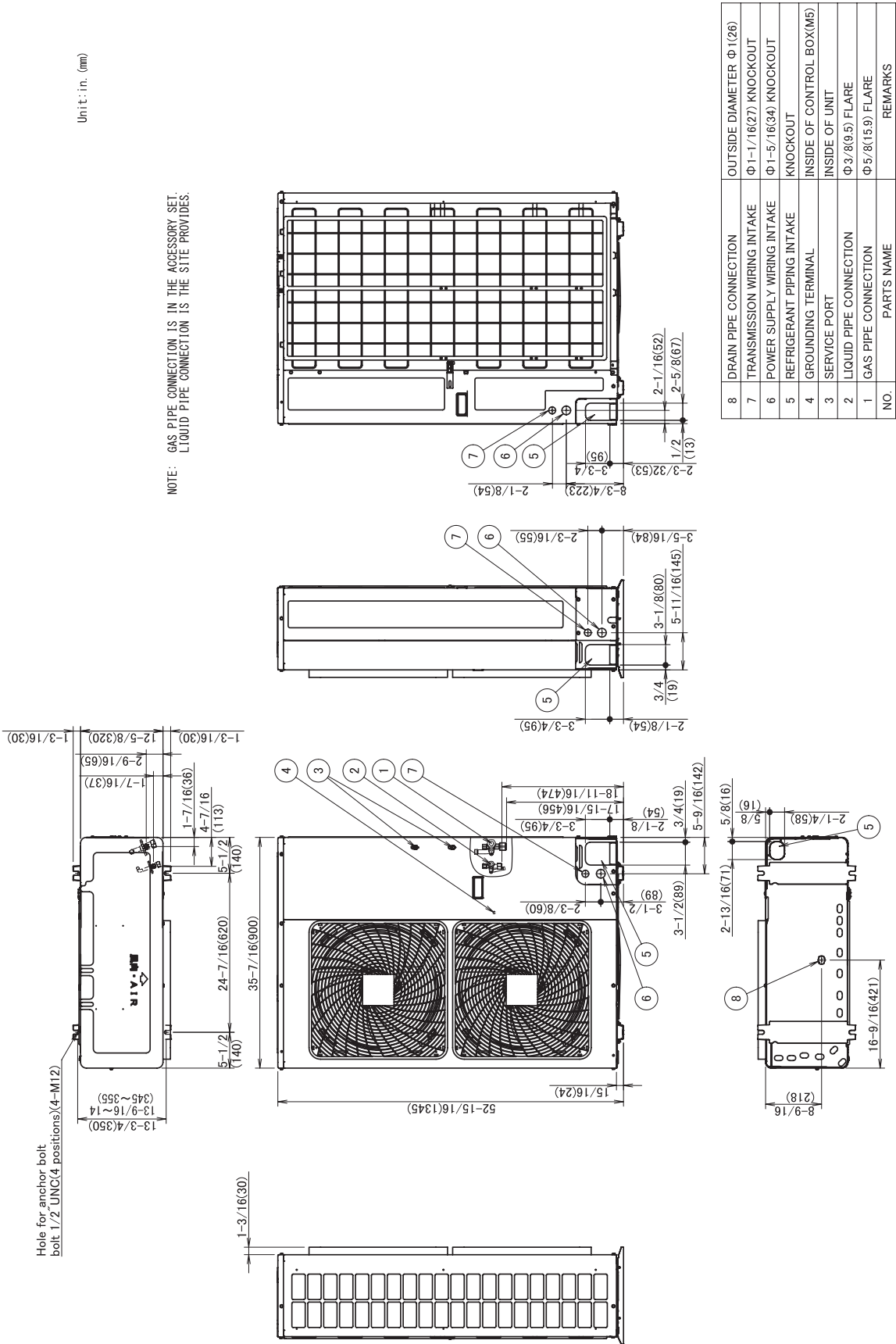
OUTDOOR UNIT DETAILS			
Power Supply (V/Hz/Ph):	208-230 / 60 / 1	Airflow Rate (CFM):	3741
Power Supply Connections:	L1, L2, Ground	Gas Pipe Connection (inch):	5/8
Min. Circuit Amps MCA (A):	29.1	Liquid Pipe Connection (inch)	3/8
Max Overcurrent Protection (MOP) (A)	35	Condensate Connection (inch):	1
Dimensions (HxWxD) (in)	52-15/16 X 35-7/16 X 12-5/8	Sound Pressure Overall (dBA):	59
Net Weight (lb)	225		



FBQ30 - 48TBVJU



RZR30 - 48TBVJUA
RZQ30 - 48TBVJUA



FBQ18 - 48TBVJU

Model	Power Supply					IFM		Input (W)		SCCR
	Hz	Volts	Voltage range	MCA	MOP	HP	FLA	Cooling	Heating	
FBQ18TBVJU	60	208/230 V	Max. 253 V Min. 187 V	1.9	15	0.31 (230)	1.5	262	256	SCCR kA rms, Symmetrical @600V MAX:5
FBQ24TBVJU				1.9	15	0.31 (230)	1.5	257	251	
FBQ30TBVJU				3.0	15	0.49 (364)	2.4	397	391	
FBQ36TBVJU				3.1	15	0.49 (364)	2.5	401	395	
FBQ42TBVJU				3.6	15	0.49 (364)	2.9	464	458	
FBQ48TBVJU				3.6	15	0.49 (364)	2.9	464	458	

Symbol:

MCA: Minimum Circuit Ampacity (A)
 MOP: Maximum Overcurrent Protective Device (A)
 HP: Fan Motor Rated Output (Hp (W))
 FLA: Full Load Ampere (A)
 IFM: Indoor Fan Motor
 SCCR: Short-Circuit Current Rating

Note:

1. Voltage range
Units are suitable for use on electrical systems where voltage supplied to unit terminals is not below or above listed range limits.
2. Maximum allowable voltage unbalance between phases is 2%.
3. MCA / MOP
 $MCA = 1.25 \times FLA$
 $MOP \leq 4 \times FLA$
 (Next lower standard fuse rating is minimum 15 A.)
4. Select wiring size based on the MCA.
5. Instead of fuse, use circuit breaker.
6. Cooling power input value includes power required to operate the built-in drain pump.

C: 4D140803

11.3 Outdoor Unit

RZR18 - 48TBVJUA

RZQ18 - 48TBVJUA

Model		Units				Power supply		Comp.	OFM	
		Hz	Volts	Min.	Max.	MCA	MOP	RLA	KW	FLA
RZQ18TBVJUA	H/P	60	208/230	187	253	16.5	20	15.3	0.2	0.6
RZQ24TBVJUA										
RZR18TBVJUA	C/O									
RZR24TBVJUA										
RZQ30TBVJUA	H/P	60	208/230	187	253	29.1	35	19.0	0.070 + 0.070	0.3 + 0.3
RZQ36TBVJUA										
RZQ42TBVJUA										
RZQ48TBVJUA										
RZR30TBVJUA	C/O									
RZR36TBVJUA										
RZR42TBVJUA										
RZR48TBVJUA										

Symbol:

MCA: Minimum Circuit Ampacity (A)

MOP: Maximum Overcurrent Protective Device (See note 7) (A)

RLA: Rated Load Ampere (A)

OFM: Outdoor Fan Motor (A)

FLA: Full Load Ampere (A)

KW: Fan Motor Rated Output (kW)

Note:

1. RLA is based on the following conditions.

Power supply: 60 Hz 208/230 V

Cooling

Indoor temp. 80.0°FDB (26.7°CDB) / 67.0°FWB (19.4°CWB)

Outdoor temp. 95.0°FDB (35.0°CDB)

Heating

Indoor temp. 70.0°FDB (21.1°CDB)

Outdoor temp. 47.0°FDB (8.3°CDB) / 43.0°FWB (6.1°CWB)

2. Voltage range

Units are suitable for use on electrical systems where voltage supplied to unit terminal is not below or above listed range limits.

3. Maximum allowable voltage variation between phases is 2%.

4. MCA represents maximum input current.

5. MOP represents capacity which may accept MCA.

6. Select wiring size based on the MCA.

7. MOP is used to select a fuse, circuit breaker, or ground fault circuit interrupter.

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