



Submittal Data Sheet  
 1.5-Ton Concealed Ducted unit with Heat Pump  
 FBQ18TBVJUARZQ18TBVJUA

Model		Indoor unit		FBQ18TBVJU
		Outdoor unit		RZQ18TBVJUA
Power supply				1 phase, 208/230 V, 60 Hz
Cooling capacity *1, *4		Btu/h (kW)		17,700 (5.2)
Heating capacity *2, *4		Btu/h (kW)		20,600 (6.0)
Heating capacity *3, *4		Btu/h (kW)		14,000 (4.1)
EER2 (rated)		Btu/h-W		12.5
SEER2 (rated)				15.5
HSPF2 (rated)				8.5
Indoor unit		FBQ18TBVJU		
Casing/color				Galvanized steel plate
Dimensions	H x W x D	in. (mm)		9-11/16 x 39-3/8 x 31-1/2 (245 x 1,000 x 800)
Coil	Type			Cross fin coil
Fan	Type			Sirocco fan
	Motor output	W		230
	Airflow rate (H / M / L)	cfm (m <sup>3</sup> /min)		635 / 565 / 512 (18.0 / 16.0 / 14.5)
	External static pressure	in.H2O (Pa)		Standard 0.40 <0.80-0.20> (100 <200-50>) H5
Weight		lbs (kg)		77 (35)
Piping connections	Liquid	in. (mm)		ϕ3/8 (ϕ9.5) (flare connection)
	Gas	in. (mm)		ϕ5/8 (ϕ15.9) (flare connection)
	Drain	in. (mm)		VP25 (external dia. 1-1/4 (32), internal dia. 1 (26))
Remote controller (accessory)	Wired			BRC1E73 / BRC1H71W / DTST-ONE-ADA-A
	Wireless			BRC082A43

Daikin Comfort Technologies North America, Inc 19001 Kermier Rd Waller TX 77484  
 Daikin City Generated Submittal Data [www.daikincomfort.com](http://www.daikincomfort.com) or [www.daikinac.com](http://www.daikinac.com)

(Daikin's products are subject to continuous improvements. Daikin reserves the right to modify product design, specifications, and information in this data sheet without notice and without incurring any obligations)



Submittal Data Sheet  
 1.5-Ton Concealed Ducted unit with Heat Pump  
 FBQ18TBVJUARZQ18TBVJUA

Outdoor unit			RZQ18TBVJUA
Casing/color			Ivory white
Dimensions	H x W x D	in. (mm)	39 x 37 x 12-5/8 (990 x 940 x 320)
Coil	Type		Cross fin coil
Compressor	Type		Hermetically sealed swing type
	Motor output	kW	1.9
Fan	Type		Propeller fan
	Motor output	W	200
	Airflow rate	cfm (m <sup>3</sup> /min)	2,682 (76)
Weight		lbs (kg)	172 (78)
Piping connections	Liquid	in. (mm)	ϕ3/8 (ϕ9.5) (flare connection)
	Gas	in. (mm)	ϕ5/8 (ϕ15.9) (flare connection)
	Drain	in. (mm)	ϕ1 (ϕ26) (hole)
Safety devices			High pressure switch, Outdoor fan driver overload protector, Inverter overload protector, Fusible plug, Fuse
Capacity step		%	14-100
Refrigerant control			Electronic expansion valve
Ref. piping	Standard length	ft (m)	25 (7.6)
	Max. length	ft (m)	164 (50)
	Max. height difference	ft (m)	98 (30)
Refrigerant	Type		R410A
	Charge	lbs (kg)	6.4 (2.9)
Ref. oil	Type		DAPHNE FVC50K
	Charge	L	1.08

\*1. Indoor temp.: 80°FDB (26.7°CDB), 67°FWB (19.4°CWB) / Outdoor temp.: 95°FDB (35.0°CDB) / Equivalent piping length: 25 ft. (7.6 m), height difference: 0 ft. (0 m).

\*2. Capacities are net, including a deduction for cooling for indoor fan motor heat.

\*3. Indoor temp.: 70°FDB (21.1°CDB) / Outdoor temp.: 17°FDB (-8.3°CDB), 15°FWB (-9.4°CWB) / Equivalent piping length: 25 ft. (7.6 m), height difference: 0 ft. (0 m).

\*4. Capacities are net, including a deduction for cooling (an addition for heating) for indoor fan motor heat.

\*5. Air filter is not standard accessory, but please mount it in the duct system of the suction side. Select its dust collection efficiency (gravity method) 50% or more

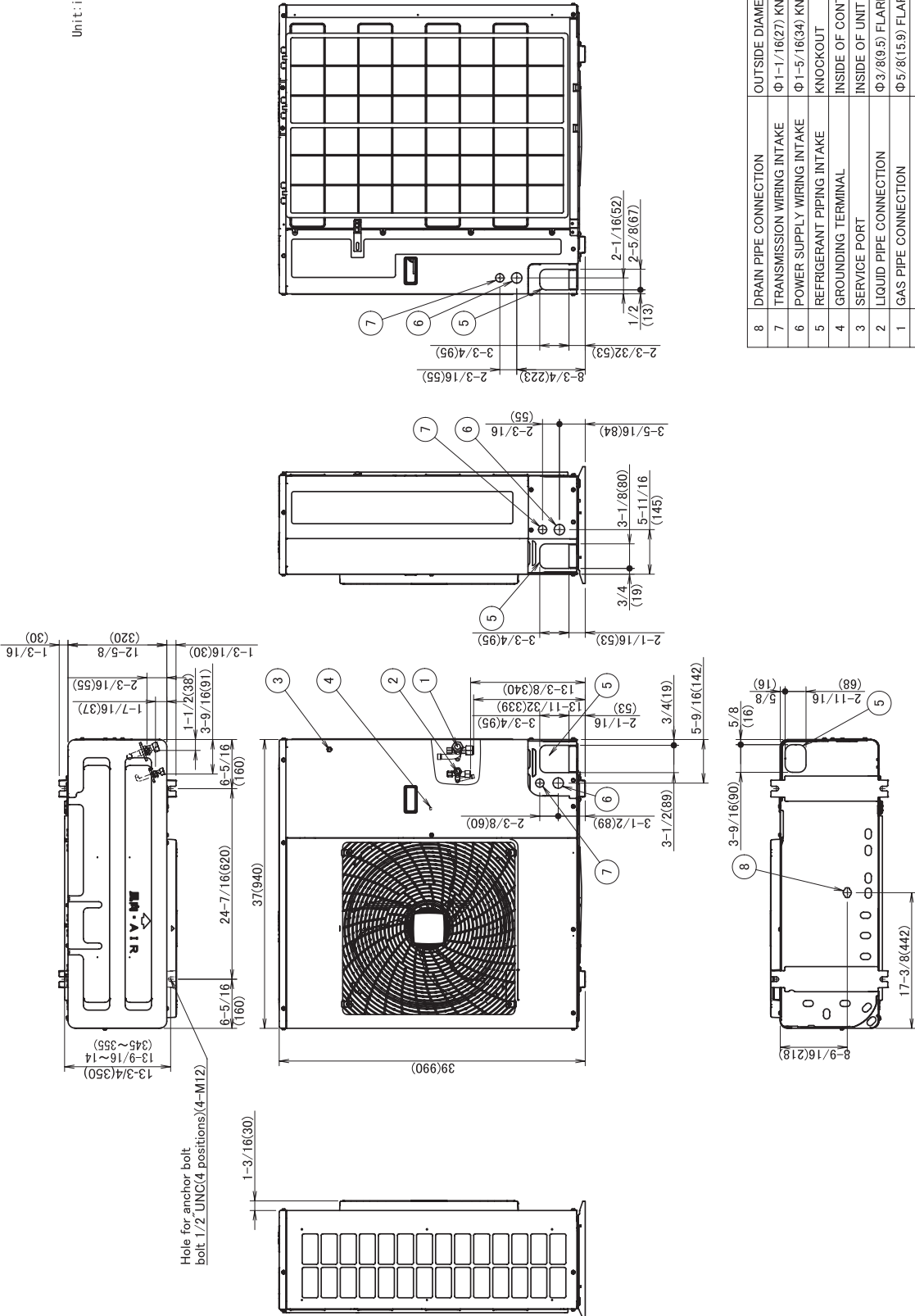
Daikin Comfort Technologies North America, Inc 19001 Kermier Rd Waller TX 77484  
 Daikin City Generated Submittal Data [www.daikincomfort.com](http://www.daikincomfort.com) or [www.daikinac.com](http://www.daikinac.com)

(Daikin's products are subject to continuous improvements. Daikin reserves the right to modify product design, specifications, and information in this data sheet without notice and without incurring any obligations)



# RZQ18 - 24TBVJUA

Unit: in. (mm)



NO.	PARTS NAME	REMARKS
8	DRAIN PIPE CONNECTION	OUTSIDE DIAMETER $\Phi$ 1(26)
7	TRANSMISSION WIRING INTAKE	$\Phi$ 1-1/16(27) KNOCKOUT
6	POWER SUPPLY WIRING INTAKE	$\Phi$ 1-5/16(34) KNOCKOUT
5	REFRIGERANT PIPING INTAKE	KNOCKOUT
4	GROUNDING TERMINAL	INSIDE OF CONTROL BOX(M6)
3	SERVICE PORT	INSIDE OF UNIT
2	LIQUID PIPE CONNECTION	$\Phi$ 3/8(9.5) FLARE
1	GAS PIPE CONNECTION	$\Phi$ 5/8(15.9) FLARE

**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.

C: 3D143221A



Submittal Data Sheet  
 2-Ton Concealed Ducted unit with Heat Pump  
 FBQ24TBVJUARZQ24TBVJUA

Model		Indoor unit		FBQ24TBVJU
		Outdoor unit		RZQ24TBVJUA
Power supply				1 phase, 208/230 V, 60 Hz
Cooling capacity *1, *4		Btu/h (kW)		23,400 (6.9)
Heating capacity *2, *4		Btu/h (kW)		27,400 (8.0)
Heating capacity *3, *4		Btu/h (kW)		19,000 (5.6)
EER2 (rated)		Btu/h-W		10.5
SEER2 (rated)				15.5
HSPF2 (rated)				8.5
Indoor unit		FBQ24TBVJU		
Casing/color				Galvanized steel plate
Dimensions	H x W x D	in. (mm)		9-11/16 x 39-3/8 x 31-1/2 (245 x 1,000 x 800)
Coil	Type			Cross fin coil
Fan	Type			Sirocco fan
	Motor output	W		230
	Airflow rate (H / M / L)	cfm (m <sup>3</sup> /min)		742 / 635 / 565 (21.0 / 18.0 / 16.0)
	External static pressure	in.H2O (Pa)		Standard 0.40 <0.80-0.20> (100 <200-50>)
Weight		lbs (kg)		82 (37)
Piping connections	Liquid	in. (mm)		ϕ3/8 (ϕ9.5) (flare connection)
	Gas	in. (mm)		ϕ5/8 (ϕ15.9) (flare connection)
	Drain	in. (mm)		VP25 (external dia. 1-1/4 (32), internal dia. 1 (26))
Remote controller (accessory)	Wired			BRC1E73 / BRC1H71W / DTST-ONE-ADA-A
	Wireless			BRC082A43

Daikin Comfort Technologies North America, Inc 19001 Kermier Rd Waller TX 77484  
 Daikin City Generated Submittal Data [www.daikincomfort.com](http://www.daikincomfort.com) or [www.daikinac.com](http://www.daikinac.com)

(Daikin's products are subject to continuous improvements. Daikin reserves the right to modify product design, specifications, and information in this data sheet without notice and without incurring any obligations)



Submittal Data Sheet  
 2-Ton Concealed Ducted unit with Heat Pump  
 FBQ24TBVJUARZQ24TBVJUA

Outdoor unit			RZQ24TBVJUA
Casing/color			Ivory white
Dimensions	H x W x D	in. (mm)	39 x 37 x 12-5/8 (990 x 940 x 320)
Coil	Type		Cross fin coil
Compressor	Type		Hermetically sealed swing type
	Motor output	kW	1.9
Fan	Type		Propeller fan
	Motor output	W	200
	Airflow rate	cfm (m <sup>3</sup> /min)	2,682 (76)
Weight		lbs (kg)	172 (78)
Piping connections	Liquid	in. (mm)	ϕ3/8 (ϕ9.5) (flare connection)
	Gas	in. (mm)	ϕ5/8 (ϕ15.9) (flare connection)
	Drain	in. (mm)	ϕ1 (ϕ26) (hole)
Safety devices			High pressure switch, Outdoor fan driver overload protector, Inverter overload protector, Fusible plug, Fuse
Capacity step		%	14-100
Refrigerant control			Electronic expansion valve
Ref. piping	Standard length	ft (m)	25 (7.6)
	Max. length	ft (m)	164 (50)
	Max. height difference	ft (m)	98 (30)
Refrigerant	Type		R410A
	Charge	lbs (kg)	6.4 (2.9)
Ref. oil	Type		DAPHNE FVC50K
	Charge	L	1.08

\*1. Indoor temp.: 80°FDB (26.7°CDB), 67°FWB (19.4°CWB) / Outdoor temp.: 95°FDB (35.0°CDB) / Equivalent piping length: 25 ft. (7.6 m), height difference: 0 ft. (0 m).

\*2. Capacities are net, including a deduction for cooling for indoor fan motor heat.

\*3. Indoor temp.: 70°FDB (21.1°CDB) / Outdoor temp.: 17°FDB (-8.3°CDB), 15°FWB (-9.4°CWB) / Equivalent piping length: 25 ft. (7.6 m), height difference: 0 ft. (0 m).

\*4. Capacities are net, including a deduction for cooling (an addition for heating) for indoor fan motor heat.

\*5. Air filter is not standard accessory, but please mount it in the duct system of the suction side. Select its dust collection efficiency (gravity method) 50% or more

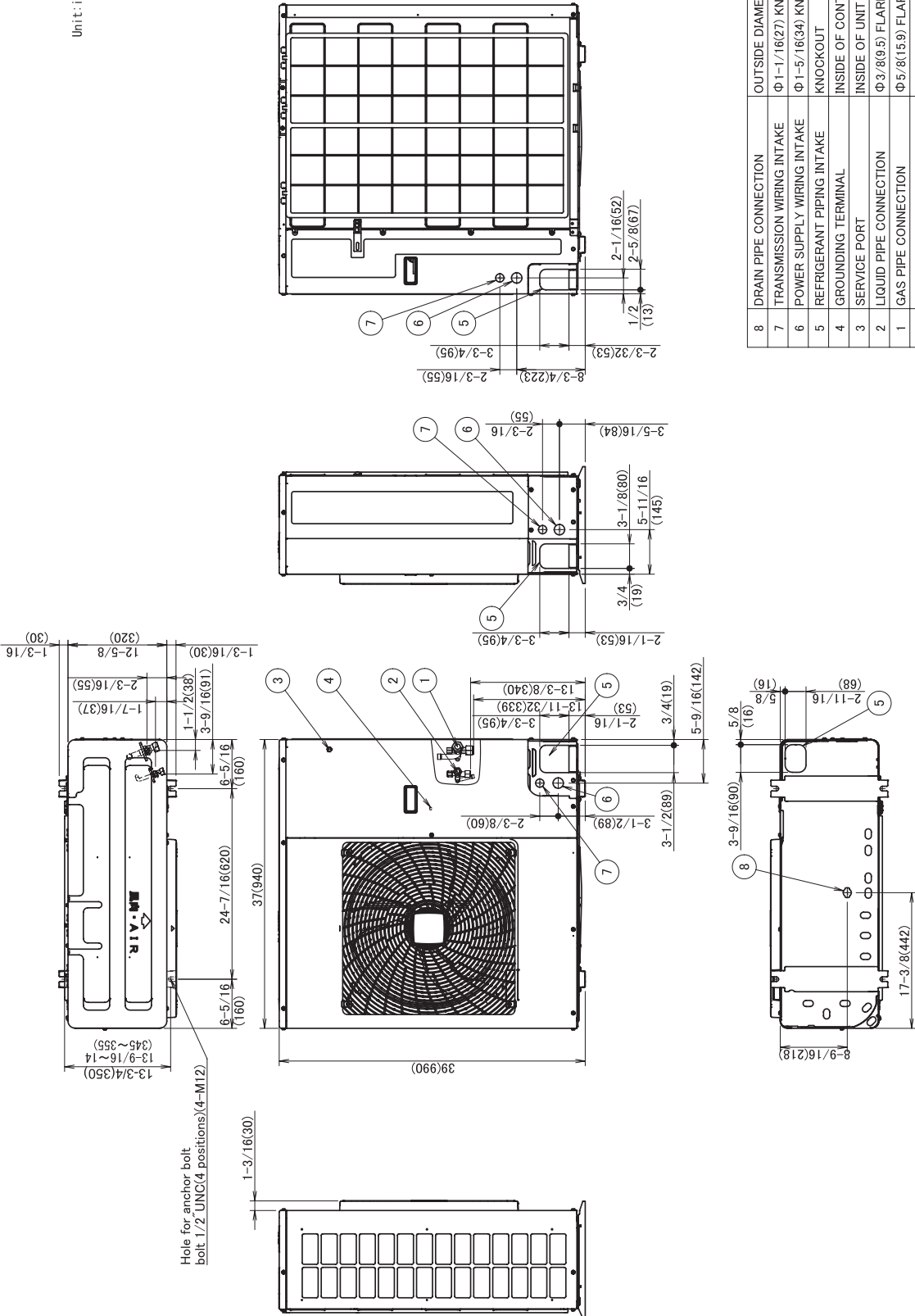
Daikin Comfort Technologies North America, Inc 19001 Kermier Rd Waller TX 77484  
 Daikin City Generated Submittal Data [www.daikincomfort.com](http://www.daikincomfort.com) or [www.daikinac.com](http://www.daikinac.com)

(Daikin's products are subject to continuous improvements. Daikin reserves the right to modify product design, specifications, and information in this data sheet without notice and without incurring any obligations)



# RZQ18 - 24TBVJUA

Unit: in. (mm)



NO.	PARTS NAME	REMARKS
8	DRAIN PIPE CONNECTION	OUTSIDE DIAMETER $\Phi$ 1(26)
7	TRANSMISSION WIRING INTAKE	$\Phi$ 1-1/16(27) KNOCKOUT
6	POWER SUPPLY WIRING INTAKE	$\Phi$ 1-5/16(34) KNOCKOUT
5	REFRIGERANT PIPING INTAKE	KNOCKOUT
4	GROUNDING TERMINAL	INSIDE OF CONTROL BOX(M6)
3	SERVICE PORT	INSIDE OF UNIT
2	LIQUID PIPE CONNECTION	$\Phi$ 3/8(9.5) FLARE
1	GAS PIPE CONNECTION	$\Phi$ 5/8(15.9) FLARE

**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:**

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

C: 3D143221A



Submittal Data Sheet  
 2.5-Ton Concealed Ducted unit with Heat Pump  
 FBQ30TBVJUARZQ30TBVJUA

<b>Model</b>	<b>Indoor unit</b>		<b>FBQ30TBVJU</b>
	<b>Outdoor unit</b>		<b>RZQ30TBVJUA</b>
Power supply			1 phase, 208/230 V, 60 Hz
Cooling capacity *1, *4		Btu/h (kW)	28,400 (8.3)
Heating capacity *2, *4		Btu/h (kW)	34,800 (10.2)
Heating capacity *3, *4		Btu/h (kW)	24,000 (7.0)
EER2 (rated)		Btu/h-W	12.2
SEER2 (rated)			16.5
HSPF2 (rated)			8.9
<b>Indoor unit</b>			<b>FBQ30TBVJU</b>
Casing/color			Galvanized steel plate
Dimensions	H × W × D	in. (mm)	9-11/16 × 55-1/8 × 31-1/2 (245 × 1,400 × 800)
Coil	Type		Cross fin coil
Fan	Type		Sirocco fan
	Motor output	W	364
	Airflow rate (H / M / L)	cfm (m <sup>3</sup> /min)	1,094 / 847 / 795 (31.0 / 24.0 / 22.5)
	External static pressure	in.H2O (Pa)	Standard 0.40 <0.80-0.20> (100 <200-50>) H5
Air filter			*5
Weight		lbs (kg)	101 (46)
Piping connections	Liquid	in. (mm)	ϕ3/8 (ϕ9.5) (flare connection)
	Gas	in. (mm)	ϕ5/8 (ϕ15.9) (flare connection)
	Drain	in. (mm)	VP25 (external dia. 1-1/4 (32), internal dia. 1 (26))
Remote controller (accessory)	Wired		BRC1E73 / BRC1H71W / DTST-ONE-ADA-A
	Wireless		BRC082A43
<b>Outdoor unit</b>			<b>RZQ30TBVJUA</b>
Casing/color			Ivory white
Dimensions	H × W × D	in. (mm)	52-15/16 × 35-7/16 × 12-5/8 (1,345 × 900 × 320)
Coil	Type		Cross fin coil
Compressor	Type		Hermetically sealed swing type
	Motor output	kW	3.5
Fan	Type		Propeller fan
	Motor output	W	70 × 2

Daikin Comfort Technologies North America, Inc 19001 Kermier Rd Waller TX 77484  
 Daikin City Generated Submittal Data [www.daikincomfort.com](http://www.daikincomfort.com) or [www.daikinac.com](http://www.daikinac.com)

(Daikin's products are subject to continuous improvements. Daikin reserves the right to modify product design, specifications, and information in this data sheet without notice and without incurring any obligations)

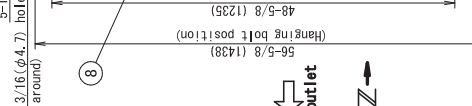
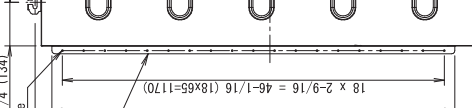
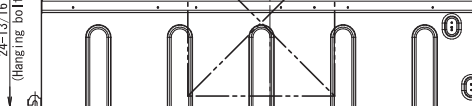
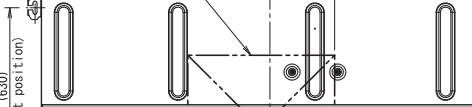
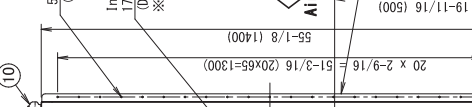
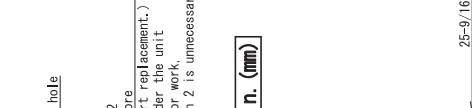
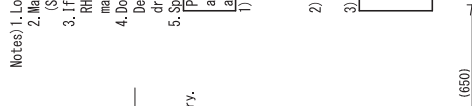
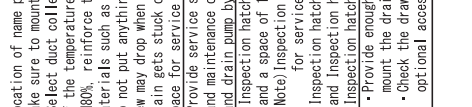
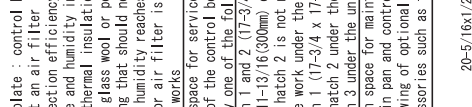
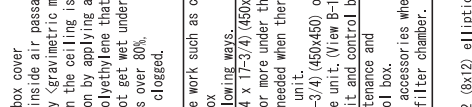
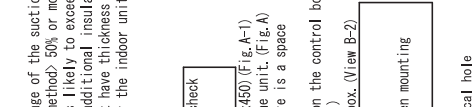
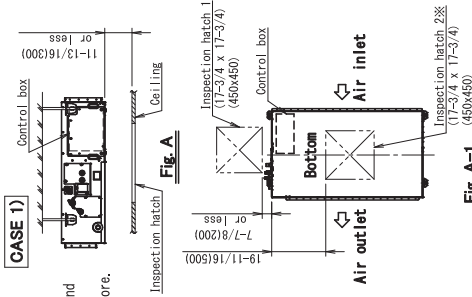


Submittal Data Sheet  
 2.5-Ton Concealed Ducted unit with Heat Pump  
 FBQ30TBVJUARZQ30TBVJUA

	Airflow rate	cfm (m <sup>3</sup> /min)	3,741 (106)
Weight		lbs (kg)	225 (102)
Piping connections	Liquid	in. (mm)	ϕ3/8 (ϕ9.5) (flare connection)
	Gas	in. (mm)	ϕ5/8 (ϕ15.9) (flare connection)
	Drain	in. (mm)	ϕ1 (ϕ26) (hole)
Safety devices			High pressure switch, Outdoor fan driver overload protector, Inverter overload protector, Fusible plug, Fuse
Capacity step		%	14-100
Refrigerant control			Electronic expansion valve
Ref. piping	Standard length	ft (m)	25 (7.6)
	Max. length	ft (m)	230 (70)
	Max. height difference	ft (m)	98 (30)
Refrigerant	Type		R410A
	Charge	lbs (kg)	7.9 (3.6)
Ref. oil	Type		DAPHNE FVC50K
	Charge	L	1.52

- \*1. Indoor temp.: 80°FDB (26.7°CDB), 67°FWB (19.4°CWB) / Outdoor temp.: 95°FDB (35.0°CDB) / Equivalent piping length: 25 ft. (7.6 m), height difference: 0 ft. (0 m).
- \*2. Capacities are net, including a deduction for cooling for indoor fan motor heat.
- \*3. Indoor temp.: 70°FDB (21.1°CDB) / Outdoor temp.: 17°FDB (-8.3°CDB), 15°FWB (-9.4°CWB) / Equivalent piping length: 25 ft. (7.6 m), height difference: 0 ft. (0 m).
- \*4. Capacities are net, including a deduction for cooling (an addition for heating) for indoor fan motor heat.
- \*5. Air filter is not standard accessory, but please mount it in the duct system of the suction side. Select its dust collection efficiency (gravity method) 50% or more.

FBQ30 - 48TBVJU



Notes) 1. Location of name plate : control box cover  
 2. Make sure to mount an air filter inside air passage of the suction side.  
 (Select duct collection efficiency (gravimetric method) 50% or more.)  
 3. If the temperature and humidity in the ceiling is likely to exceed 86° F (30°C) and 80%, reinforce thermal insulation by applying additional insulation materials such as glass wool or polyethylene that have thickness of 3/8 (10) or more.  
 4. Do not put anything that should not get wet under the indoor unit.  
 Dew may drop when humidity reaches over 80%.  
 Drain gets stuck or air filter is clogged.  
 5. Space for service works

Provide service space for service work such as check and maintenance of the control box and drain pump by one of the following ways.  
 1) Inspection hatch 1 and 2 (17-3/4 x 17-3/4) (450x450) (Fig. A-1) and a space of 11-13/16 (300mm) or more under the unit. (Fig. A) Note) Inspection hatch 2 is not needed when there is a space for service work under the unit.  
 2) Inspection hatch 1 (17-3/4 x 17-3/4) (450x450) on the control box side.  
 3) Inspection hatch 2 under the unit. (View B-1) and Inspection hatch 3 under the unit and control box. (View B-2)

• Provide enough space for maintenance and mount the drain pan and control box.  
 • Check the drawing of optional accessories when mounting optional accessories such as filter chamber.

Unit: in. (mm)

50-φ3/16 (φ4.7) hole (All around)

Inspection hatch 2 (17-3/4 (450) or more (Drain pan and part replacement.) ※If the space under the unit is accessible for work, inspection hatch 2 is unnecessary.

24-13/16 (630) (Hanging bolt position)

5-1/4 (134)

44-φ3/16 (φ4.7) hole (All around)

18 x 2-9/16 = 46-1/16 (18x65-1170)

56-5/8 (1438) (Hanging bolt position)

48-5/8 (1235)

2-11/16 (69)

2-9/16 (65)

2-1/16 (53)

17-3/4 (450) or more (Service space)

31-1/2 (800) or more (Service space)

7-8 (200) or less

5-7/16 (138)

6-15/16 (176)

3-15/16 (100)

25-9/16 (650)

20-5/16x1/2 (8x12) elliptical hole (All around)

126

7 x 6-5/32 = 43 (7x158-1092)

46-15/16 (1192)

47-13/16 (1215)

13/16 (20) or more

Inspection hatch (17-3/4 x 17-3/4) (450x450)

Control box

Inspection hatch 1 (17-3/4 x 17-3/4) (450x450)

Inspection hatch 2 (17-3/4 x 17-3/4) (450x450)

Inspection hatch 3 (17-3/4 x 17-3/4) (450x450)

Inspection hatch 1 (17-3/4 x 17-3/4) (450x450)

Inspection hatch 2 (17-3/4 x 17-3/4) (450x450)

Inspection hatch 3 (17-3/4 x 17-3/4) (450x450)

Inspection hatch 1 (17-3/4 x 17-3/4) (450x450)

Inspection hatch 2 (17-3/4 x 17-3/4) (450x450)

Inspection hatch 3 (17-3/4 x 17-3/4) (450x450)

Inspection hatch 1 (17-3/4 x 17-3/4) (450x450)

Inspection hatch 2 (17-3/4 x 17-3/4) (450x450)

Inspection hatch 3 (17-3/4 x 17-3/4) (450x450)

Inspection hatch 1 (17-3/4 x 17-3/4) (450x450)

Inspection hatch 2 (17-3/4 x 17-3/4) (450x450)

Inspection hatch 3 (17-3/4 x 17-3/4) (450x450)

Inspection hatch 1 (17-3/4 x 17-3/4) (450x450)

Unit: in. (mm)

11-13/16 (300) or less

27-1/2 (699)

8-3/4 (222)

4-13/16 (123)

8-3/8 (208)

2-3/8 (60)

8-7/8 (226)

8-3/16 (208)

6 x 5-29/32 = 35-7/16 (6x150-900)

53-1/4 (1352)

54-3/16 (1377)

26-5/16x1/2 (8x12) elliptical hole (All around)

Inspection hatch

Control box

Inspection hatch 1 (17-3/4 x 17-3/4) (450x450)

Inspection hatch 2 (17-3/4 x 17-3/4) (450x450)

Inspection hatch 3 (17-3/4 x 17-3/4) (450x450)

Inspection hatch 1 (17-3/4 x 17-3/4) (450x450)

Inspection hatch 2 (17-3/4 x 17-3/4) (450x450)

Inspection hatch 3 (17-3/4 x 17-3/4) (450x450)

Inspection hatch 1 (17-3/4 x 17-3/4) (450x450)

Inspection hatch 2 (17-3/4 x 17-3/4) (450x450)

Inspection hatch 3 (17-3/4 x 17-3/4) (450x450)

Inspection hatch 1 (17-3/4 x 17-3/4) (450x450)

Inspection hatch 2 (17-3/4 x 17-3/4) (450x450)

Inspection hatch 3 (17-3/4 x 17-3/4) (450x450)

Inspection hatch 1 (17-3/4 x 17-3/4) (450x450)

Inspection hatch 2 (17-3/4 x 17-3/4) (450x450)

Inspection hatch 3 (17-3/4 x 17-3/4) (450x450)

Inspection hatch 1 (17-3/4 x 17-3/4) (450x450)

Inspection hatch 2 (17-3/4 x 17-3/4) (450x450)

Inspection hatch 3 (17-3/4 x 17-3/4) (450x450)

Inspection hatch 1 (17-3/4 x 17-3/4) (450x450)

Inspection hatch 2 (17-3/4 x 17-3/4) (450x450)

Inspection hatch 3 (17-3/4 x 17-3/4) (450x450)

Inspection hatch 1 (17-3/4 x 17-3/4) (450x450)

Inspection hatch 2 (17-3/4 x 17-3/4) (450x450)

Inspection hatch 3 (17-3/4 x 17-3/4) (450x450)

Inspection hatch 1 (17-3/4 x 17-3/4) (450x450)

Inspection hatch 2 (17-3/4 x 17-3/4) (450x450)

Inspection hatch 3 (17-3/4 x 17-3/4) (450x450)

Inspection hatch 1 (17-3/4 x 17-3/4) (450x450)

Inspection hatch 2 (17-3/4 x 17-3/4) (450x450)

Inspection hatch 3 (17-3/4 x 17-3/4) (450x450)

Unit: in. (mm)

11-13/16 (300) or less

27-1/2 (699)

8-3/4 (222)

4-13/16 (123)

8-3/8 (208)

2-3/8 (60)

8-7/8 (226)

8-3/16 (208)

6 x 5-29/32 = 35-7/16 (6x150-900)

53-1/4 (1352)

54-3/16 (1377)

26-5/16x1/2 (8x12) elliptical hole (All around)

Inspection hatch

Control box

Inspection hatch 1 (17-3/4 x 17-3/4) (450x450)

Inspection hatch 2 (17-3/4 x 17-3/4) (450x450)

Inspection hatch 3 (17-3/4 x 17-3/4) (450x450)

Inspection hatch 1 (17-3/4 x 17-3/4) (450x450)

Inspection hatch 2 (17-3/4 x 17-3/4) (450x450)

Inspection hatch 3 (17-3/4 x 17-3/4) (450x450)

Inspection hatch 1 (17-3/4 x 17-3/4) (450x450)

Inspection hatch 2 (17-3/4 x 17-3/4) (450x450)

Inspection hatch 3 (17-3/4 x 17-3/4) (450x450)

Inspection hatch 1 (17-3/4 x 17-3/4) (450x450)

Inspection hatch 2 (17-3/4 x 17-3/4) (450x450)

Inspection hatch 3 (17-3/4 x 17-3/4) (450x450)

Inspection hatch 1 (17-3/4 x 17-3/4) (450x450)

Inspection hatch 2 (17-3/4 x 17-3/4) (450x450)

Inspection hatch 3 (17-3/4 x 17-3/4) (450x450)

Inspection hatch 1 (17-3/4 x 17-3/4) (450x450)

Inspection hatch 2 (17-3/4 x 17-3/4) (450x450)

Inspection hatch 3 (17-3/4 x 17-3/4) (450x450)

Inspection hatch 1 (17-3/4 x 17-3/4) (450x450)

Inspection hatch 2 (17-3/4 x 17-3/4) (450x450)

Inspection hatch 3 (17-3/4 x 17-3/4) (450x450)

Inspection hatch 1 (17-3/4 x 17-3/4) (450x450)

Inspection hatch 2 (17-3/4 x 17-3/4) (450x450)

Inspection hatch 3 (17-3/4 x 17-3/4) (450x450)

Inspection hatch 1 (17-3/4 x 17-3/4) (450x450)

Inspection hatch 2 (17-3/4 x 17-3/4) (450x450)

Inspection hatch 3 (17-3/4 x 17-3/4) (450x450)

Inspection hatch 1 (17-3/4 x 17-3/4) (450x450)

Inspection hatch 2 (17-3/4 x 17-3/4) (450x450)

Inspection hatch 3 (17-3/4 x 17-3/4) (450x450)

Unit: in. (mm)

11-13/16 (300) or less

27-1/2 (699)

8-3/4 (222)

4-13/16 (123)

8-3/8 (208)

2-3/8 (60)

8-7/8 (226)

8-3/16 (208)

6 x 5-29/32 = 35-7/16 (6x150-900)

53-1/4 (1352)

54-3/16 (1377)

26-5/16x1/2 (8x12) elliptical hole (All around)

Inspection hatch

Control box

Inspection hatch 1 (17-3/4 x 17-3/4) (450x450)

Inspection hatch 2 (17-3/4 x 17-3/4) (450x450)

Inspection hatch 3 (17-3/4 x 17-3/4) (450x450)

Inspection hatch 1 (17-3/4 x 17-3/4) (450x450)

Inspection hatch 2 (17-3/4 x 17-3/4) (450x450)

Inspection hatch 3 (17-3/4 x 17-3/4) (450x450)

Inspection hatch 1 (17-3/4 x 17-3/4) (450x450)

Inspection hatch 2 (17-3/4 x 17-3/4) (450x450)

Inspection hatch 3 (17-3/4 x 17-3/4) (450x450)

Inspection hatch 1 (17-3/4 x 17-3/4) (450x450)

Inspection hatch 2 (17-3/4 x 17-3/4) (450x450)

Inspection hatch 3 (17-3/4 x 17-3/4) (450x450)

Inspection hatch 1 (17-3/4 x 17-3/4) (450x450)

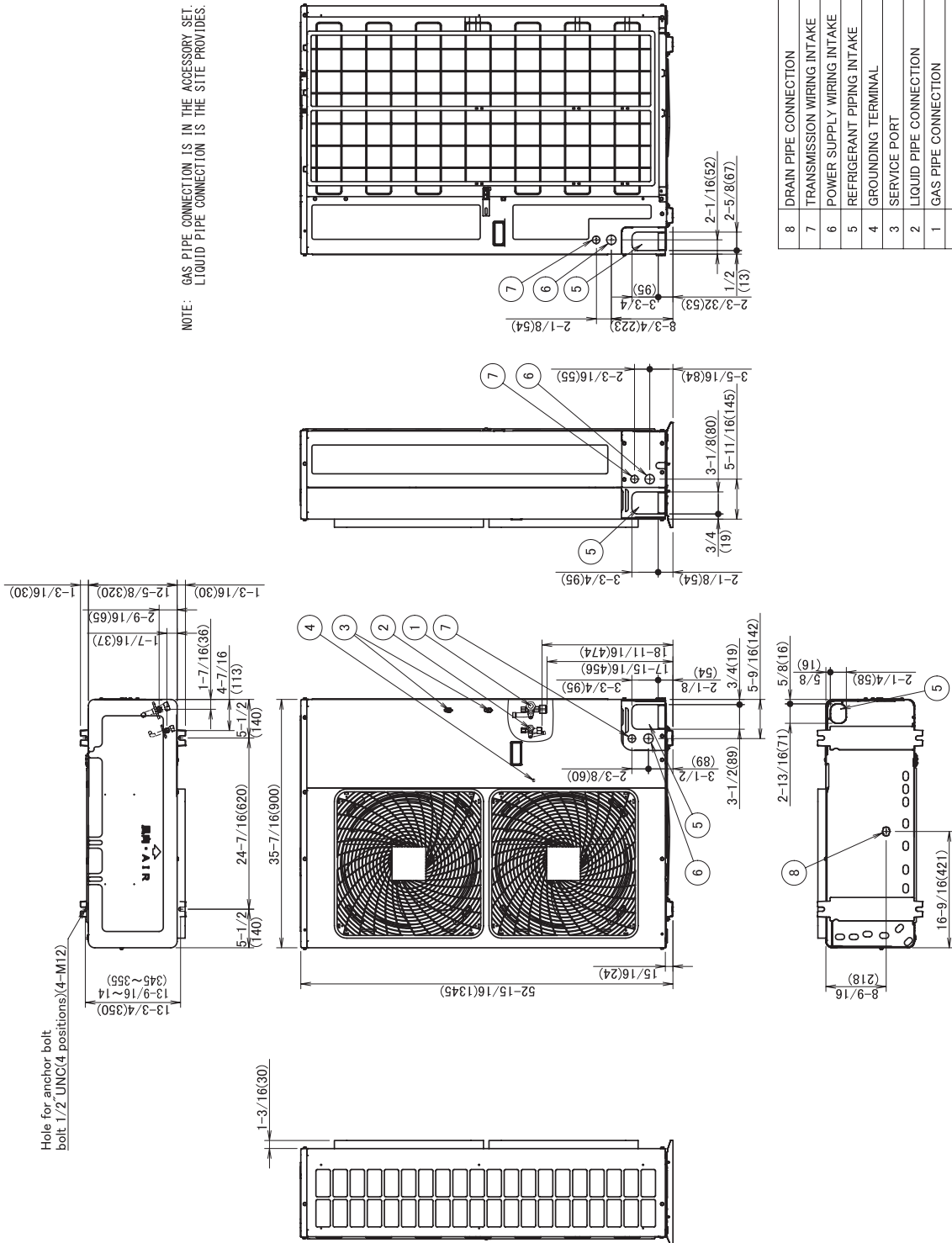
Inspection hatch 2 (17-3/4 x 17-3/4) (450x450)

Inspection hatch 3

RZR30 - 48TBVJUA  
RZQ30 - 48TBVJUA

Unit: in. (mm)

NOTE: GAS PIPE CONNECTION IS IN THE ACCESSORY SET.  
LIQUID PIPE CONNECTION IS THE SITE PROVIDES.



NO.	PARTS NAME	REMARKS
8	DRAIN PIPE CONNECTION	OUTSIDE DIAMETER $\Phi$ 1(26)
7	TRANSMISSION WIRING INTAKE	$\Phi$ 1-1/16(27) KNOCKOUT
6	POWER SUPPLY WIRING INTAKE	$\Phi$ 1-5/16(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	$\Phi$ 3/8(9.5) FLARE
1	GAS PIPE CONNECTION	$\Phi$ 5/8(15.9) FLARE

3D126498

**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:**

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

C: 3D143221A



Submittal Data Sheet  
 3-Ton Concealed Ducted unit with Heat Pump  
 FBQ36TBVJUARZQ36TBVJUA

<b>Model</b>	<b>Indoor unit</b>		<b>FBQ36TBVJU</b>
	<b>Outdoor unit</b>		<b>RZQ36TBVJUA</b>
Power supply			1 phase, 208/230 V, 60 Hz
Cooling capacity *1, *4	Btu/h (kW)	35,000 (10.3)	
Heating capacity *2, *4	Btu/h (kW)	40,000 (11.7)	
Heating capacity *3, *4	Btu/h (kW)	28,000 (8.2)	
EER2 (rated)	Btu/h-W	11.7	
SEER2 (rated)			16.9
HSPF2 (rated)			8.8
<b>Indoor unit</b>			<b>FBQ36TBVJU</b>
Casing/color			Galvanized steel plate
Dimensions	H × W × D	in. (mm)	9-11/16 × 55-1/8 × 31-1/2 (245 × 1,400 × 800)
Coil	Type		Cross fin coil
Fan	Type		Sirocco fan
	Motor output	W	364
	Airflow rate (H / M / L)	cfm (m <sup>3</sup> /min)	1,130 / 953 / 795 (32.0 / 27.0 / 22.5)
	External static pressure	in.H2O (Pa)	Standard 0.40 <0.80-0.20> (100 <200-50>) H5
Air filter			*5
Weight		lbs (kg)	101 (46)
Piping connections	Liquid	in. (mm)	ϕ3/8 (ϕ9.5) (flare connection)
	Gas	in. (mm)	ϕ5/8 (ϕ15.9) (flare connection)
	Drain	in. (mm)	VP25 (external dia. 1-1/4 (32), internal dia. 1 (26))
Remote controller (accessory)	Wired		BRC1E73 / BRC1H71W / DTST-ONE-ADA-A
	Wireless		BRC082A43
<b>Outdoor unit</b>			<b>RZQ36TBVJUA</b>
Casing/color			Ivory white
Dimensions	H × W × D	in. (mm)	52-15/16 × 35-7/16 × 12-5/8 (1,345 × 900 × 320)
Coil	Type		Cross fin coil
Compressor	Type		Hermetically sealed swing type
	Motor output	kW	3.5
Fan	Type		Propeller fan
	Motor output	W	70 × 2

Daikin Comfort Technologies North America, Inc 19001 Kermier Rd Waller TX 77484  
 Daikin City Generated Submittal Data [www.daikincomfort.com](http://www.daikincomfort.com) or [www.daikinac.com](http://www.daikinac.com)

(Daikin's products are subject to continuous improvements. Daikin reserves the right to modify product design, specifications, and information in this data sheet without notice and without incurring any obligations)



Submittal Data Sheet  
 3-Ton Concealed Ducted unit with Heat Pump  
 FBQ36TBVJUARZQ36TBVJUA

	Airflow rate	cfm (m <sup>3</sup> /min)	3,741 (106)
Weight		lbs (kg)	225 (102)
Piping connections	Liquid	in. (mm)	ϕ3/8 (ϕ9.5) (flare connection)
	Gas	in. (mm)	ϕ5/8 (ϕ15.9) (flare connection)
	Drain	in. (mm)	ϕ1 (ϕ26) (hole)
Safety devices			High pressure switch, Outdoor fan driver overload protector, Inverter overload protector, Fusible plug, Fuse
Capacity step		%	14-100
Refrigerant control			Electronic expansion valve
Ref. piping	Standard length	ft (m)	25 (7.6)
	Max. length	ft (m)	230 (70)
	Max. height difference	ft (m)	98 (30)
Refrigerant	Type		R410A
	Charge	lbs (kg)	7.9 (3.6)
Ref. oil	Type		DAPHNE FVC50K
	Charge	L	1.52

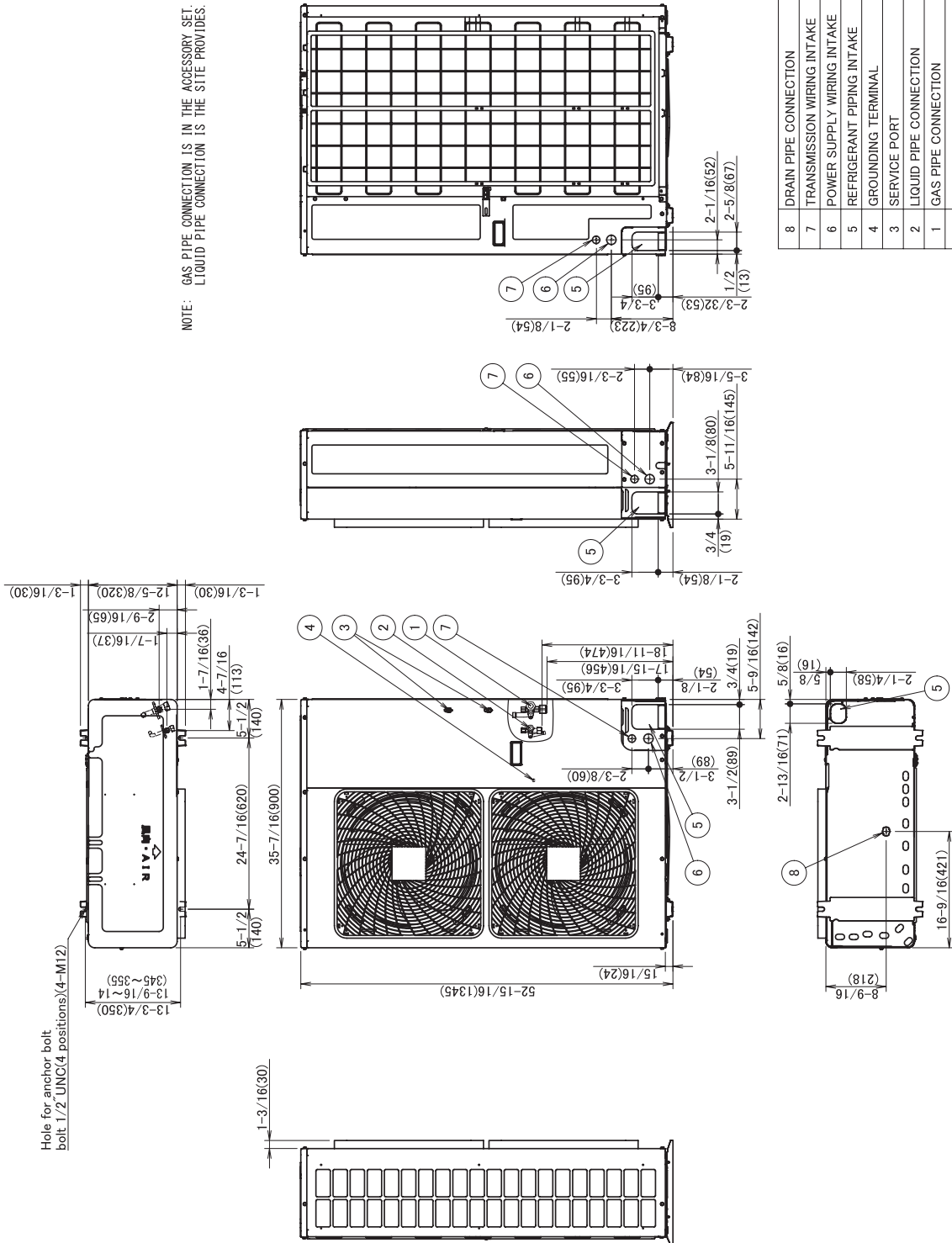
- \*1. Indoor temp.: 80°FDB (26.7°CDB), 67°FWB (19.4°CWB) / Outdoor temp.: 95°FDB (35.0°CDB) / Equivalent piping length: 25 ft. (7.6 m), height difference: 0 ft. (0 m).
- \*2. Capacities are net, including a deduction for cooling for indoor fan motor heat.
- \*3. Indoor temp.: 70°FDB (21.1°CDB) / Outdoor temp.: 17°FDB (-8.3°CDB), 15°FWB (-9.4°CWB) / Equivalent piping length: 25 ft. (7.6 m), height difference: 0 ft. (0 m).
- \*4. Capacities are net, including a deduction for cooling (an addition for heating) for indoor fan motor heat.
- \*5. Air filter is not standard accessory, but please mount it in the duct system of the suction side. Select its dust collection efficiency (gravity method) 50% or more



RZR30 - 48TBVJUA  
RZQ30 - 48TBVJUA

Unit: in. (mm)

NOTE: GAS PIPE CONNECTION IS IN THE ACCESSORY SET.  
LIQUID PIPE CONNECTION IS THE SITE PROVIDES.



NO.	PARTS NAME	REMARKS
8	DRAIN PIPE CONNECTION	OUTSIDE DIAMETER $\Phi$ 1(26)
7	TRANSMISSION WIRING INTAKE	$\Phi$ 1-1/16(27) KNOCKOUT
6	POWER SUPPLY WIRING INTAKE	$\Phi$ 1-5/16(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	$\Phi$ 3/8(9.5) FLARE
1	GAS PIPE CONNECTION	$\Phi$ 5/8(15.9) FLARE

3D126498

**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:**

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

C: 3D143221A



Submittal Data Sheet  
 3.5-Ton Concealed Ducted unit with Heat Pump  
 FBQ42TBVJUARZQ42TBVJUA

<b>Model</b>	<b>Indoor unit</b>		<b>FBQ42TBVJU</b>
	<b>Outdoor unit</b>		<b>RZQ42TBVJUA</b>
Power supply	1 phase, 208/230 V, 60 Hz		
Cooling capacity *1, *4	Btu/h (kW)	40,000 (11.7)	
Heating capacity *2, *4	Btu/h (kW)	47,000 (13.8)	
Heating capacity *3, *4	Btu/h (kW)	32,400 (9.5)	
EER2 (rated)	Btu/h-W	10.3	
SEER2 (rated)	15.6		
HSPF2 (rated)	9.5		
<b>Indoor unit</b>			<b>FBQ42TBVJU</b>
Casing/color	Galvanized steel plate		
Dimensions	H × W × D	in. (mm)	9-11/16 × 55-1/8 × 31-1/2 (245 × 1,400 × 800)
Coil	Type		Cross fin coil
Fan	Type		Sirocco fan
	Motor output	W	364
	Airflow rate (H / M / L)	cfm (m <sup>3</sup> /min)	1,377 / 1,130 / 918 (39.0 / 32.0 / 26.0)
	External static pressure	in.H2O (Pa)	Standard 0.40 <0.80-0.20> (100 <200-50>)
Air filter			*5
Weight			lbs (kg) 104 (47)
Piping connections	Liquid	in. (mm)	ϕ3/8 (ϕ9.5) (flare connection)
	Gas	in. (mm)	ϕ5/8 (ϕ15.9) (flare connection)
	Drain	in. (mm)	VP25 (external dia. 1-1/4 (32), internal dia. 1 (26))
Remote controller (accessory)	Wired		BRC1E73 / BRC1H71W / DTST-ONE-ADA-A
	Wireless		BRC082A43
<b>Outdoor unit</b>			<b>RZQ42TBVJUA</b>
Casing/color	Ivory white		
Dimensions	H × W × D	in. (mm)	52-15/16 × 35-7/16 × 12-5/8 (1,345 × 900 × 320)
Coil	Type		Cross fin coil
Compressor	Type		Hermetically sealed swing type
	Motor output	kW	3.5
Fan	Type		Propeller fan
	Motor output	W	70 × 2
	Airflow rate	cfm (m <sup>3</sup> /min)	3,741 (106)

Daikin Comfort Technologies North America, Inc 19001 Kermier Rd Waller TX 77484  
 Daikin City Generated Submittal Data [www.daikincomfort.com](http://www.daikincomfort.com) or [www.daikinac.com](http://www.daikinac.com)

(Daikin's products are subject to continuous improvements. Daikin reserves the right to modify product design, specifications, and information in this data sheet without notice and without incurring any obligations)



Submittal Data Sheet  
 3.5-Ton Concealed Ducted unit with Heat Pump  
 FBQ42TBVJUARZQ42TBVJUA

Weight		lbs (kg)	225 (102)
Piping connections	Liquid	in. (mm)	ϕ3/8 (ϕ9.5) (flare connection)
	Gas	in. (mm)	ϕ5/8 (ϕ15.9) (flare connection)
	Drain	in. (mm)	ϕ1 (ϕ26) (hole)
Safety devices			High pressure switch, Outdoor fan driver overload protector, Inverter overload protector, Fusible plug, Fuse
Capacity step		%	14-100
Refrigerant control			Electronic expansion valve
Ref. piping	Standard length	ft (m)	25 (7.6)
	Max. length	ft (m)	230 (70)
	Max. height difference	ft (m)	98 (30)
Refrigerant	Type		R410A
	Charge	lbs (kg)	7.9 (3.6)
Ref. oil	Type		DAPHNE FVC50K
	Charge	L	1.52

\*1. Indoor temp.: 80°FDB (26.7°CDB), 67°FWB (19.4°CWB) / Outdoor temp.: 95°FDB (35.0°CDB) / Equivalent piping length: 25 ft. (7.6 m), height difference: 0 ft. (0 m).

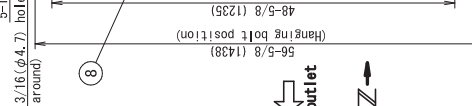
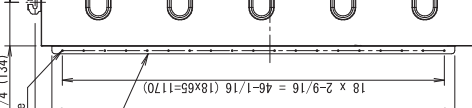
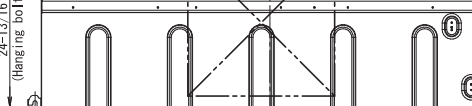
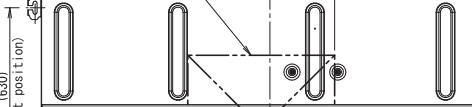
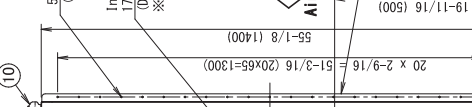
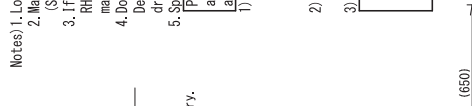
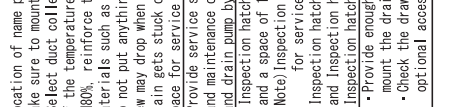
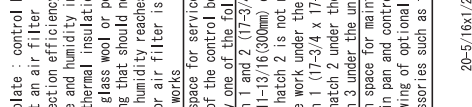
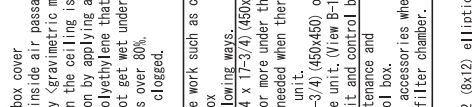
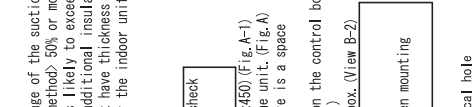
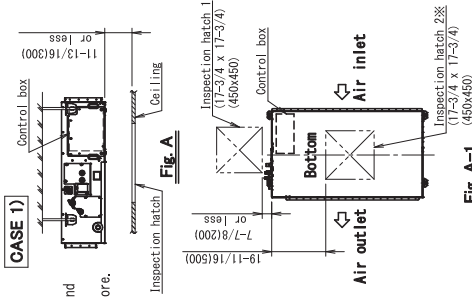
\*2. Capacities are net, including a deduction for cooling for indoor fan motor heat.

\*3. Indoor temp.: 70°FDB (21.1°CDB) / Outdoor temp.: 17°FDB (-8.3°CDB), 15°FWB (-9.4°CWB) / Equivalent piping length: 25 ft. (7.6 m), height difference: 0 ft. (0 m).

\*4. Capacities are net, including a deduction for cooling (an addition for heating) for indoor fan motor heat.

\*5. Air filter is not standard accessory, but please mount it in the duct system of the suction side. Select its dust collection efficiency (gravity method) 50% or more

FBQ30 - 48TBVJU



Notes) 1. Location of name plate : control box cover  
 2. Make sure to mount an air filter inside air passage of the suction side.  
 (Select duct collection efficiency (gravimetric method) 50% or more.)  
 3. If the temperature and humidity in the ceiling is likely to exceed 86° F (30°C) and RH80%, reinforce thermal insulation by applying additional insulation materials such as glass wool or polyethylene that have thickness of 3/8 (10) or more.  
 4. Do not put anything that should not get wet under the indoor unit.  
 Dew may drop when humidity reaches over 80%.  
 Drain gets stuck or air filter is clogged.  
 5. Space for service works

Provide service space for service work such as check and maintenance of the control box and drain pump by one of the following ways.  
 1) Inspection hatch 1 and 2 (17-3/4 x 17-3/4) (450x450) (Fig. A-1) and a space of 11-13/16 (300mm) or more under the unit. (Fig. A) Note) Inspection hatch 2 is not needed when there is a space for service work under the unit.  
 2) Inspection hatch 1 (17-3/4 x 17-3/4) (450x450) on the control box side.  
 3) Inspection hatch 2 under the unit. (View B-1) and Inspection hatch 3 under the unit and control box. (View B-2)

• Provide enough space for maintenance and mount the drain pan and control box.  
 • Check the drawing of optional accessories when mounting optional accessories such as filter chamber.

Unit: in. (mm)

Unit: in. (mm)

Unit: in. (mm)

Unit: in. (mm)

Unit: in. (mm)

Unit: in. (mm)

Unit: in. (mm)

Unit: in. (mm)

Unit: in. (mm)

Unit: in. (mm)

Unit: in. (mm)

Unit: in. (mm)

Unit: in. (mm)

Unit: in. (mm)

Unit: in. (mm)

Unit: in. (mm)

Unit: in. (mm)

Unit: in. (mm)

Unit: in. (mm)

Unit: in. (mm)

Unit: in. (mm)

Unit: in. (mm)

Unit: in. (mm)

Unit: in. (mm)

Unit: in. (mm)

Unit: in. (mm)

Unit: in. (mm)

Unit: in. (mm)

Unit: in. (mm)

Unit: in. (mm)

Unit: in. (mm)

Unit: in. (mm)

Unit: in. (mm)

Unit: in. (mm)

Unit: in. (mm)

Unit: in. (mm)

Unit: in. (mm)

Unit: in. (mm)

Unit: in. (mm)

Unit: in. (mm)

Unit: in. (mm)

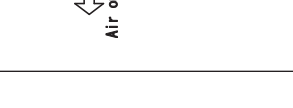
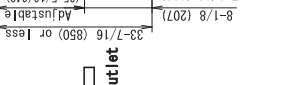
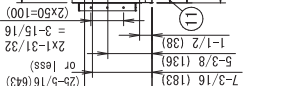
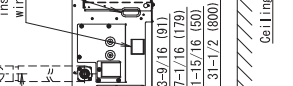
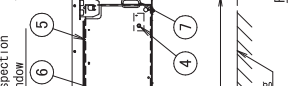
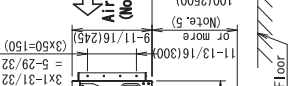
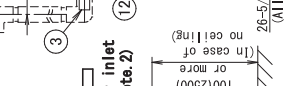
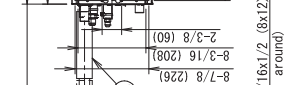
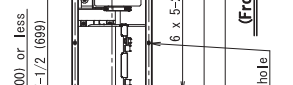
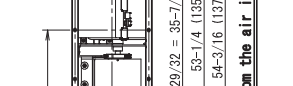
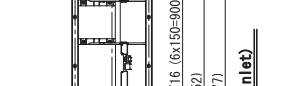
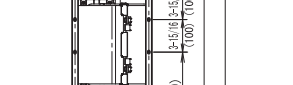
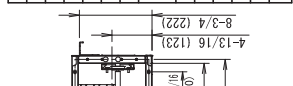
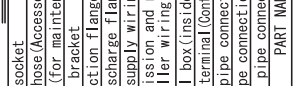
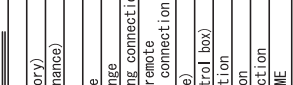
Unit: in. (mm)

Unit: in. (mm)

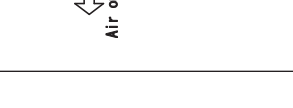
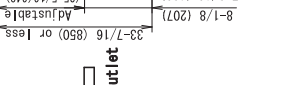
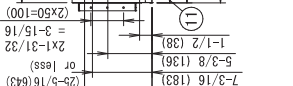
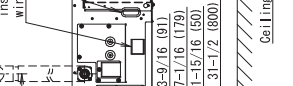
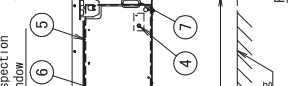
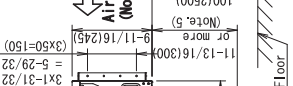
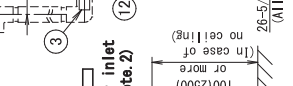
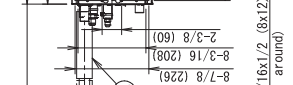
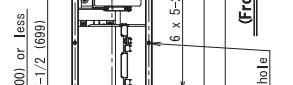
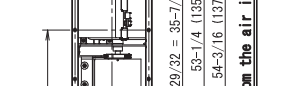
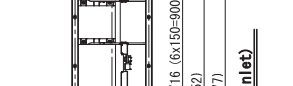
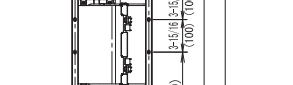
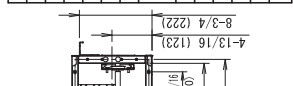
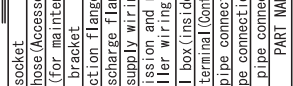
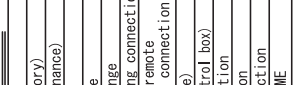
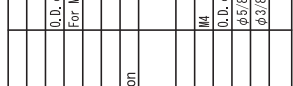
Unit: in. (mm)

Unit: in. (mm)

Unit: in. (mm)



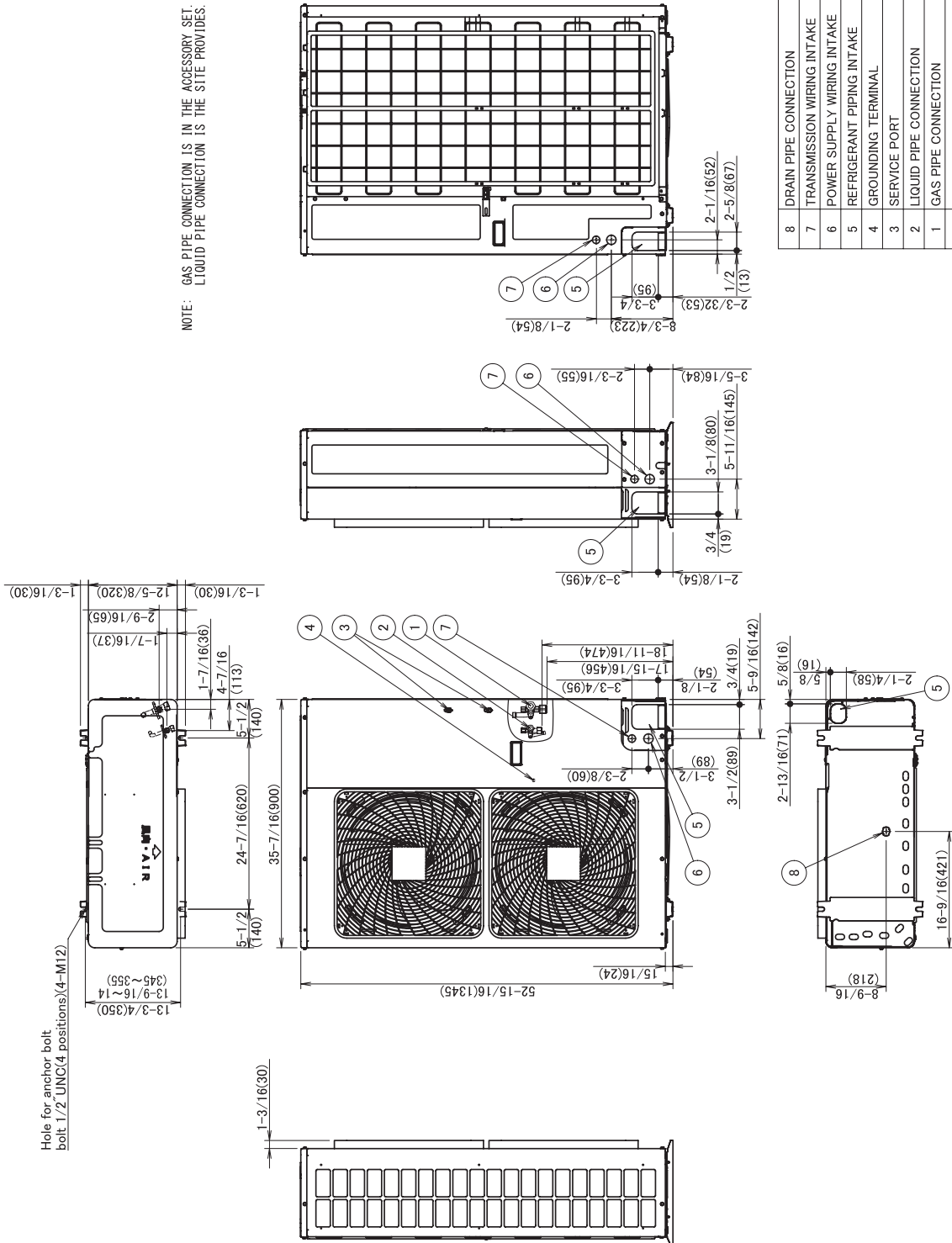
ITEM	PART NAME	REMARK
13	Drain socket	
12	Drain hose (Accessory)	O.D. φ1" (φ25)
11	Socket (for maintenance)	For Mφ-M10 or equivalent
10	Hanger bracket	
9	Air suction flange	
8	Air discharge flange	
7	Power supply wiring connection	
6	Transmission and remote controller wiring connection	
5	Control box (inside)	M4
4	Ground terminal (control box)	
3	Drain pipe connection	O.D. φ1-1/4" (φ32)
2	Gas pipe connection	φ5/8" (φ15.9) Flare connection
1	Liquid pipe connection	φ3/8" (φ9.5) Flare connection



RZR30 - 48TBVJUA  
RZQ30 - 48TBVJUA

Unit: in. (mm)

NOTE: GAS PIPE CONNECTION IS IN THE ACCESSORY SET.  
LIQUID PIPE CONNECTION IS THE SITE PROVIDES.



NO.	PARTS NAME	REMARKS
8	DRAIN PIPE CONNECTION	OUTSIDE DIAMETER $\Phi$ 1(26)
7	TRANSMISSION WIRING INTAKE	$\Phi$ 1-1/16(27) KNOCKOUT
6	POWER SUPPLY WIRING INTAKE	$\Phi$ 1-5/16(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	$\Phi$ 3/8(9.5) FLARE
1	GAS PIPE CONNECTION	$\Phi$ 5/8(15.9) FLARE

3D126498

**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:**

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

C: 3D143221A



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



Daikin Comfort Technologies North America, Inc 19001 Kermier Rd Waller TX 77484  
Daikin City Generated Submittal Data

[www.daikincomfort.com](http://www.daikincomfort.com) or [www.daikinac.com](http://www.daikinac.com)

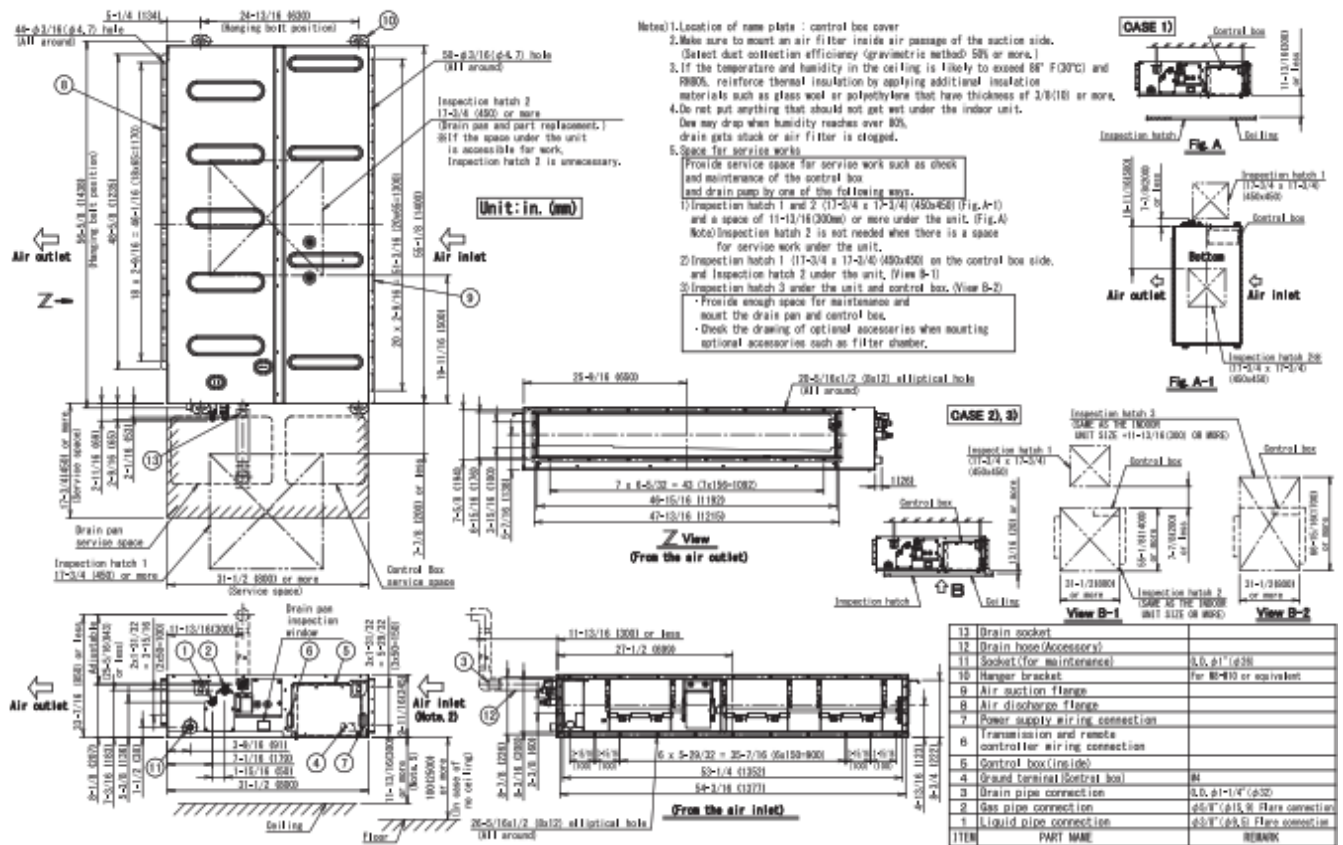
(Daikin's products are subject to continuous improvements. Daikin reserves the right to modify product design, specifications, and information in this data sheet without notice and without incurring any obligations)



Submittal Data Sheet  
4.0-Ton DC Ducted Unit  
FBQ48TBVJURZQ48TBVJUA

INDOOR UNIT DETAILS			
Power Supply (V/Hz/Ph):	208-230 / 60 / 1	Airflow Rate (H/M/L) (CFM):	1377/1130/918
Power Supply Connections:	L1, L2, Ground	Gas Pipe Connection (inch):	5/8
Min. Circuit Amps MCA (A):	3.6	Liquid Pipe Connection (inch)	3/8
Max Overcurrent Protection (MOP) (A)	15	Condensate Connection (inch):	1-1/4
Dimensions (HxWxD) (in)	9-11/16 X 55-1/8 X 31-1/2	Sound Pressure (H/M/L) (dBA):	48/44/39
Net Weight (lb)	104	Input Cooling Power (W)	464
Ext Static Pressure (Rated/Max) (inWg)	0.5/0.8		

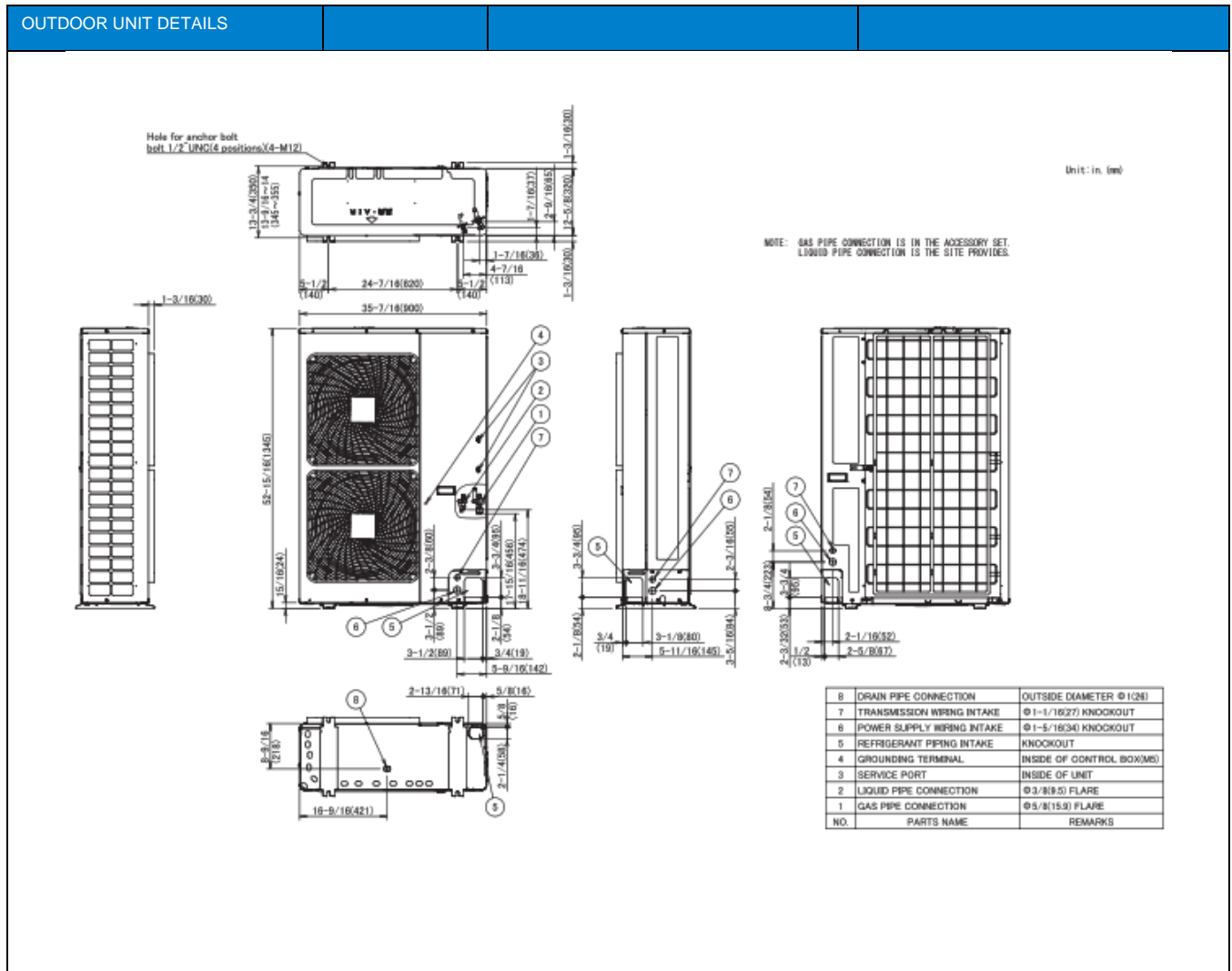
INDOOR UNIT DETAILS





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		



Daikin Comfort Technologies North America, Inc 19001 Kermier Rd Waller TX 77484  
 Daikin City Generated Submittal Data [www.daikincomfort.com](http://www.daikincomfort.com) or [www.daikinac.com](http://www.daikinac.com)

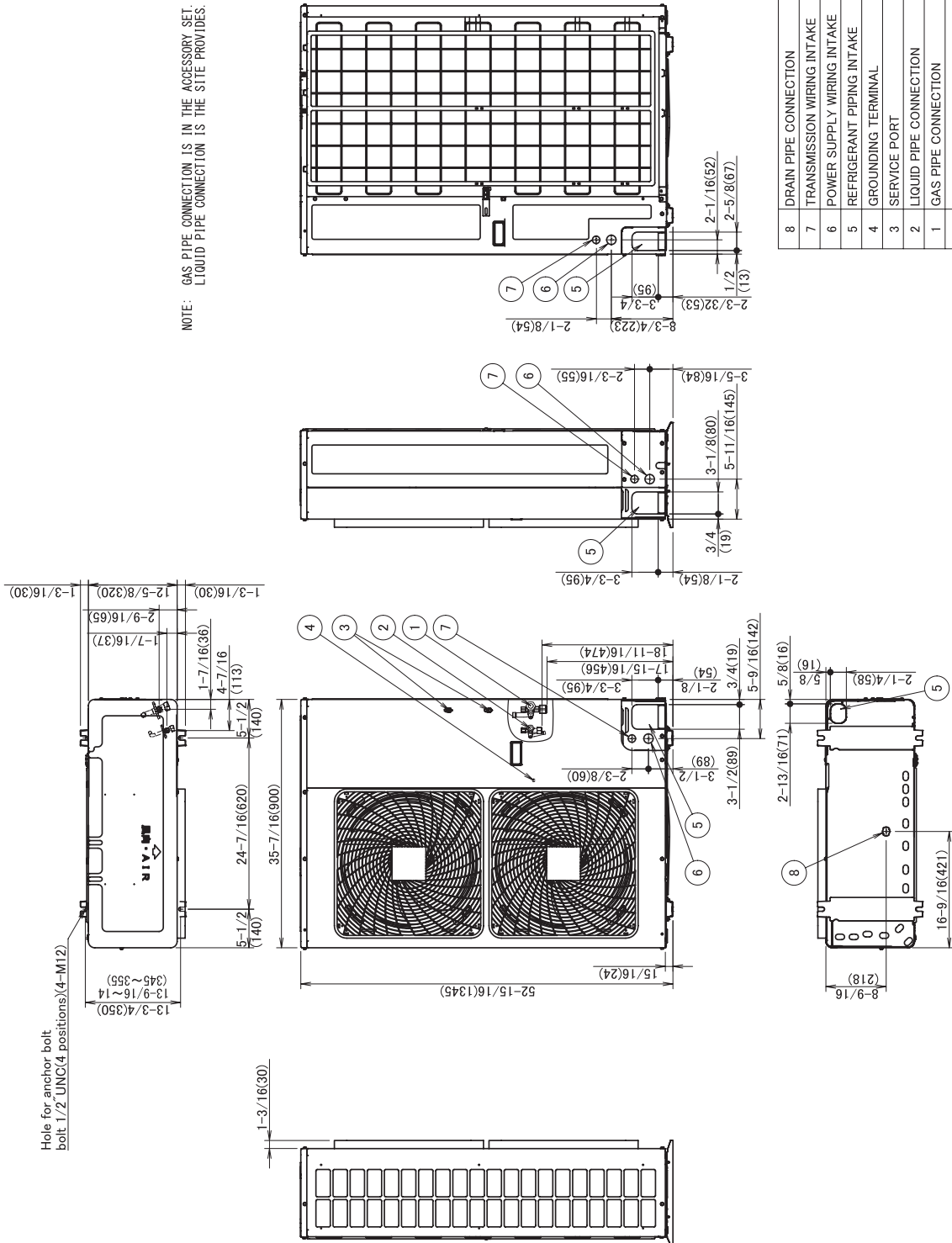
(Daikin's products are subject to continuous improvements. Daikin reserves the right to modify product design, specifications, and information in this data sheet without notice and without incurring any obligations)



RZR30 - 48TBVJUA  
RZQ30 - 48TBVJUA

Unit: in. (mm)

NOTE: GAS PIPE CONNECTION IS IN THE ACCESSORY SET.  
LIQUID PIPE CONNECTION IS THE SITE PROVIDES.



NO.	PARTS NAME	REMARKS
8	DRAIN PIPE CONNECTION	OUTSIDE DIAMETER $\Phi$ 1(26)
7	TRANSMISSION WIRING INTAKE	$\Phi$ 1-1/16(27) KNOCKOUT
6	POWER SUPPLY WIRING INTAKE	$\Phi$ 1-5/16(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	$\Phi$ 3/8(9.5) FLARE
1	GAS PIPE CONNECTION	$\Phi$ 5/8(15.9) FLARE

3D126498

**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:**

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

C: 3D143221A