

Adapted to RoHS directive

Item	Model	FDT50ZJXVF	
		Indoor unit FDT50VF Panel T-PSA-3BW-E	Outdoor unit SRC50ZJX-S
Power source			220-240V—50Hz / 220V—60Hz
Operation data		Cooling	Heating
Nominal capacity	kW	5.0 [1.1 (Min.)—5.6 (Max.)]	5.4 [0.6 (Min.)—6.3 (Max.)]
Power consumption	kW	1.29	1.29
Running current	A	6.0 / 6.2	6.0 / 6.2
Power factor	%	83 / 85	83 / 85
Inrush current	A	5 < Max. running current 15 >	
Sound Pressure Level	dB(A)	P-Hi : 39 Hi : 33 Me : 31 Lo : 30	Cooling : 54 Heating : 50
Exterior dimensions Height x Width x Depth	mm	Unit 246 x 840 x 840 Panel 35 x 950 x 950	640 x 800 (+71) x 290
Exterior appearance (Munsell color)		Plaster White (6.8Y8.9/0.2) near equivalent	Stucco White (4.2Y7.5/1.1) near equivalent
Net weight	kg	UNIT 22 PANEL 5.5	45
Refrigerant equipment Compressor type & Q'ty		—	RMT5113MCE2 (Twin Rotary type) x 1
Starting method		—	Direct line start
Refrigerant oil	ℓ	—	0.45 MA68
Heat exchanger		Louver fin & inner grooved tubing	M shape fin & inner grooved tubing
Refrigerant control		—	Capillary tubes + Electronic expansion valve
Air handling equipment Fan type & Q'ty		Turbo fan x 1	Propeller fan x 1
Motor <Starting method>	W	50 < Direct line start >	34 < Direct line start >
Air flow (Standard)	CMM	P-Hi : 20 Hi : 18 Me : 16 Lo : 14	Cooling : 40 Heating : 33
Available static pressure	Pa	0	0
Outside air intake		Possible	—
Air filter, Q'ty		Pocket plastic net x 1 (Washable)	—
Shock & vibration absorber		Rubber sleeve (for fan motor)	Rubber sleeve (for Compressor)
Insulation (noise & heat)		Polyurethane form	—
Electric heater	W	—	—
Remote controller		wired : RC-EX1A, RC-E5 (option)	wireless : RCN-T-36W-E (option)
Room temperature control		Thermostat by electronics	—
Safety equipment		Overload protection for fan motor Frost protection thermostat	Internal thermostat for fan motor Abnormal discharge temperature protection.
Installation data		Liquid line : LU φ 6.35 (1/4") Pipe φ 6.35 (1/4") x 0.8 O/U φ 6.35 (1/4")	
Refrigerant piping size	mm	Gas line : φ 12.7 (1/2")	φ 12.7 (1/2") x 0.8 φ 12.7 (1/2")
Connecting method		Flare piping	Flare piping
Refrigerant line (one way) length		Max. 30m	
Vertical height difference between outdoor unit and indoor unit		Max. 20m (Outdoor unit is higher) Max. 20m (Outdoor unit is lower)	See page 152
Refrigerant Quantity		R410A 1.5kg in outdoor unit (incl. the amount for the piping of : 15m)	
Drain pump		Built-in Drain pump	—
Drain		Hose Connectable with VP25	Holes size φ 20 x 5pcs
Insulation for piping		Necessary (both Liquid & Gas lines)	
IP code		IPX0	IPX4
Standard Accessories		Mounting kit, Drain hose	Drain elbow, Drain hole grommet

Notes (1) The data are measured at the following conditions.

Item	Indoor air temperature		Outdoor air temperature	
	DB	WB	DB	WB
Operation				
Cooling	27°C	19°C	35°C	24°C
Heating	20°C		7°C	6°C

(2) This packaged air-conditioner is manufactured and tested in conformity with the ISO.
 (3) Sound pressure level indicates the value in an anechoic chamber. During operation these value are somewhat higher due to ambient temperature.
 (4) The operation data indicates when the air-conditioner is operated at 230V50Hz or 220V60Hz.
 (5) When wireless remote controller is used, fan is 3 speed setting (Hi-Me-Lo) only.

PJF000Z296

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SPECIFICATIONS

Service Ref.			PUHZ-RP35VHA2 ₍₁₎ / VHA3		PUHZ-RP50VHA2 ₍₁₎ / VHA3	
Mode			Cooling	Heating	Cooling	Heating
OUTDOOR UNIT	Power supply (phase, cycle, voltage)		Single, 50Hz, 230V			
	Running current	A	4.01	4.23	6.16	6.47
	Max. current	A	13		13	
	External finish		Munsell 3Y 7.8/1.1			
	Refrigerant control		Linear Expansion Valve			
	Compressor		Hermetic			
	Model		VHA2 ₍₁₎ : SNB130FLBH / VHA3 : SNB130FGCH			
	Motor output	kW	0.9		1.1	
	Starter type		Inverter			
	Protection devices		HP switch Discharge thermo		HP switch Discharge thermo	
Crankcase heater		W				
Heat exchanger		Plate fin coil				
Fan	Fan (drive) × No.		Propeller fan × 1			
	Fan motor output	kW	0.043			
	Airflow	m ³ /min(CFM)	35(1,240)			
Defrost method		Reverse cycle				
Noise level	Cooling	dB	44			
	Heating	dB	46			
Dimensions	W	mm(in.)	800(31-1/2)			
	D	mm(in.)	300+23(11-13/16+7/8)			
	H	mm(in.)	600(23-5/8)			
Weight		kg(lbs)	VHA2 ₍₁₎ : 45(99) / VHA3 : 42(93)			
Refrigerant			R410A			
Charge	kg(lbs)	2.5(5.5)				
Oil (Model)	L	0.45(NEO22)				
Pipe size O.D.	Liquid	mm(in.)	6.35(1/4)			
	Gas	mm(in.)	12.7(1/2)			
Connection method		Indoor side	Flared			
		Outdoor side	Flared			
Between the indoor & outdoor unit		Height difference	Max. 30m			
		Piping length	Max. 50m			

Service Ref.			PUHZ-RP60VHA2 ₍₁₎ / VHA3(#1)		PUHZ-RP71VHA2 ₍₁₎ / VHA3(#1)	
Mode			Cooling	Heating	Cooling	Heating
OUTDOOR UNIT	Power supply (phase, cycle, voltage)		Single, 50Hz, 230V			
	Running current	A	6.61	7.50	8.04	9.74
	Max. current	A	19		19	
	External finish		Munsell 3Y 7.8/1.1			
	Refrigerant control		Linear Expansion Valve			
	Compressor		Hermetic			
	Model		VHA2 ₍₁₎ : TNB220FMBH / VHA3 : SNB172FDGM1			
	Motor output	kW	1.4		1.6	
	Starter type		Inverter			
	Protection devices		HP switch		Discharge thermo	
		Comp. shell thermo(for VHA3#1)				
Crankcase heater		W				
Heat exchanger		Plate fin coil				
Fan	Fan (drive) × No.		Propeller fan × 1			
	Fan motor output	kW	0.060			
	Airflow	m ³ /min(CFM)	55(1,940)			
Defrost method		Reverse cycle				
Noise level	Cooling	dB	47			
	Heating	dB	48			
Dimensions	W	mm(in.)	950(37-3/8)			
	D	mm(in.)	330+30(13+1-3/16)			
	H	mm(in.)	943(37-1/8)			
Weight		kg(lbs)	VHA2 ₍₁₎ : 75(165) / VHA3(#1) : 68(150)			
Refrigerant			R410A			
Charge	kg(lbs)	3.5(7.7)				
Oil (Model)	L	VHA2 ₍₁₎ : 0.87(NEO22) / VHA3(#1) : 0.70(FV50S)				
Pipe size O.D.	Liquid	mm(in.)	9.52(3/8)			
	Gas	mm(in.)	15.88(5/8)			
Connection method		Indoor side	Flared			
		Outdoor side	Flared			
Between the indoor & outdoor unit		Height difference	Max. 30m			
		Piping length	Max. 50m			

2-2. CEILING CASSETTE TYPE

Model name	Indoor unit	SLZ-KA25VA(L)	SLZ-KA35VA(L)	SLZ-KA50VA(L)		
	Outdoor unit	SUZ-KA25VA	SUZ-KA35VA	SUZ-KA50VA		
Cooling	Capacity	Btu/h	8,500	11,900	15,700	
		kW	2.5(0.9 - 3.2)	3.5(1.0 - 3.9)	4.6(1.1 - 5.2)	
	Total input	kW	0.69	1.06	1.63	
	EER		3.62	3.30	2.82	
	Energy label class		A	A	C	
Heating	Capacity	Btu/h	10,200	13,600	17,100	
		kW	3.0(0.9 - 4.5)	4.0(0.9 - 5.0)	5.0(0.9 - 6.5)	
	Total input	kW	0.83	1.10	1.55	
	COP		3.61	3.64	3.23	
	Energy label class		A	A	C	
Power supply	Phase	φ	1	1	1	
	Cycle	Hz	50	50	50	
	Voltage	V	230	230	230	
	Breaker size	A	10	10	20	
Indoor unit	Air flow	CMM	8 - 9 - 10	8 - 9 - 11	8 - 9 - 11	
	(Low - Medium - High)	CFM	280 - 320 - 355	280 - 320 - 390	280 - 320 - 390	
	External static pressure	Pa	0	0	0	
	Sound level	dB(A)	28 - 31 - 37	29 - 33 - 38	30 - 34 - 39	
	(Low - Medium - High)					
	External finish (Panel)		White Munsell 6.4Y 8.9/0.4			
	Dimension	Unit(Panel)	W : mm	570(650)		
			D : mm	570(650)		
			H : mm	208(20)		
			W : inch	22 - 7/16(25 - 9/16)		
D : inch			22 - 7/16(25 - 9/16)			
Weight	Unit (Panel)	kg	16.5(3)			
		lbs	36(7)			
Field drain pipe O.D.	mm	32				
Outdoor unit	Air flow at cooling	CMM	34.3	33.4	27.5 - 49	
		(Low - High)	CFM	1,210	1,180	970 - 1,730
	Air flow at heating	CMM	32.3	33.4	36.8 - 49	
		(Low - High)	CFM	1,140	1,180	1,300 - 1,730
	Sound level at cooling	dB(A)	46	47	51 - 53	
		(Low - High)				
	Sound level at heating	dB(A)	46	48	53 - 55	
		(Low - High)				
	External finish		Ivory Munsell 3.0Y 7.8/1.1			
	Dimension	Unit(Panel)	W : mm	800	800	840
D : mm			285	285	330	
H : mm			550	550	850	
W : inch			31 - 1/2	31 - 1/2	33 - 1/16	
D : inch			11 - 1/4	11 - 1/4	13	
Weight	Unit (Panel)	kg	33	37	53	
		lbs	73	82	117	
Refrigerant pipe size	Gas side O.D.	mm	9.52	9.52	12.7	
		inch	3/8	3/8	1/2	
	Liquid side O.D.	mm	6.35	6.35	6.35	
		inch	1/4	1/4	1/4	
Refrigerant pipe length	Height difference	m	Max. 12	Max. 12	Max. 30	
	Length	m	Max. 20	Max. 20	Max. 30	

NOTE: 1. Rating conditions (ISO T1)
 Cooling Indoor : D.B. 27°C (80°F) W.B. 19°C (66°F) Outdoor : D.B. 35°C (95°F) W.B. 24°C (75°F)
 Heating Indoor : D.B. 20°C (68°F) Outdoor : D.B. 7°C (45°F) W.B. 6°C (43°F)
 Refrigerant piping length (one way) : 5m (16ft.)

2. Guaranteed operating range

		Indoor	Outdoor	
			KA25, KA35VA	KA50
Cooling	Upper limit	32°C D.B., 23°C W.B.	46°C D.B.	43°C D.B.
	Lower limit	21°C D.B., 15°C W.B.	-10°C D.B.	-15°C D.B.
Heating	Upper limit	27°C D.B.	24°C D.B.	18°C W.B.
	Lower limit	20°C D.B.	-10°C D.B.	-11°C W.B.

3. Guaranteed voltage
198-264V, 50Hz

4. Above data are based on the indicated voltage.
 Indoor unit Single phase, 230V 50Hz
 Outdoor unit Single phase, 230V 50Hz

2 Specifications

2-10 Technical Specifications				RXS25J	RXS35J	RXS42J	RXS50J	
Heat exchanger	Length			806		810	845	
	Rows	Quantity		2				
	Fin pitch			1.4		1.5	1.8	
	Stages	Quantity		24			32	
	Tube type			ø7 Hi-XA		ø8 Hi-XA		
	Fin	Type			Waffle louvered fin			
	Treatment			Anti-corrosion treatment (PE)				
Fan	Type			Propeller fan				
	Air flow rate	Cooling	High	m³/min	33.5	36.0	37.3	50.9
				cfm	1,183	1,271	1,317	1,797
		Super low	High	m³/min	30.1		30.6	48.9
				cfm	1,063		1,080	1,727
	Heating	High	m³/min	28.3		31.3	45.0	
			cfm	999		1,105	1,589	
		Super low	m³/min	25.6		27.2	43.1	
cfm			904		960	1,522		
Fan motor	Model			D23H-28		D50R-28	KFD-380-50-8C	
	Output			23		50	53	
	Speed	Cooling	High	rpm	860	920	890	780
				Super low	rpm	780		790
		Heating	High	rpm	860		890	720
				Super low	rpm	740		780
Sound power level	Cooling	High	dBA	61		63		
Sound pressure level	Cooling	High	dBA	46		48		
			Silent operation	dBA	43		44	
	Heating	High	dBA	47		48		
			Silent operation	dBA	44		45	
Compressor	Model			YC23AEXD		2YC36BXD		
	Type			Hermetically sealed swing compressor				
	Output			600		1,100		
Operation range	Cooling	Ambient	Min.	°CDB	-10			
			Max.	°CDB	46			
	Heating	Ambient	Min.	°CWB	-15			
			Max.	°CWB	18			
Refrigerant	Type			R-410A				
	Charge	kg		1.0	1.2	1.3	1.7	
Refrigerant oil	Type			FV050K				
	Charged volume	l		0.375		0.65		
Piping connections	Liquid	OD	mm	6.35				
		Gas	OD	mm	9.52		12.7	
	Drain	Type			Hole			
		ID	mm	15.9				
	Piping length	OU - IU	Max.	m	20		30	
	Level difference	IU - OU	Max.	m	15		20	
Heat insulation			Both liquid and gas pipes					

2-11 Electrical Specifications				RXS25J2V1B	RXS35J2V1B	RXS42J2V1B	RXS50J2V1B
Power supply	Phase			1~			
	Frequency	Hz		50			
	Voltage	V		220-240			
Current	Nominal running current (RLA)	Cooling	A	3.0 (1) / 2.8 (2) / 2.7 (3)	4.3 (1) / 4.1 (2) / 3.9 (3)	6.0 (1) / 5.7 (2) / 5.5 (3)	6.7 (1) / 6.4 (2) / 6.1 (3)
		Heating	A	3.9 (1) / 3.8 (2) / 3.6 (3)	4.7 (1) / 4.5 (2) / 4.3 (3)	7.1 (1) / 6.8 (2) / 6.5 (3)	7.0 (1) / 6.7 (2) / 6.4 (3)
	Starting current	Cooling	A	4.0	4.8	7.2	7.1
		Heating	A	4.0	4.8	7.2	7.1

2 Specifications

2-1 Nominal Capacity And Nominal Input				FHQG71CVEB / RZQG71LV1B	FHQG100CVEB / RZQG100LV1B	FHQG140CVEB / RZQG140LV1B
Cooling capacity	Nom.		kW	7.1 (3)	10.0 (3)	14.0 (3)
			Btu/h	24,200 (3)	34,100 (3)	47,800 (3)
			kcal/h	6,100 (3)	8,600 (3)	12,000 (3)
Heating capacity	Nom.		kW	8.0 (4)	11.2 (4)	16.0 (4)
			Btu/h	27,300 (4)	38,200 (4)	54,600 (4)
			kcal/h	6,900 (4)	9,600 (4)	13,800 (4)
Power input	Cooling	Nom.	kW	1.95	2.61	4.65
	Heating	Nom.	kW	2.05	2.67	4.42
EER				3.64	3.83	3.01
COP				3.90	4.19	3.62
SEER				4.41 (5)	4.53 (5)	3.66 (5)
Annual energy consumption			kWh	975	1,305	2,325
Energy label	Cooling			A		
	Heating			A		

2-1 Nominal Capacity And Nominal Input				FCQG71EVEB / RZQG71LV1B	FCQG100EVEB / RZQG100LV1B	FCQG140EVEB / RZQG140LV1B
Cooling capacity	Nom.		kW	7.1 (3)	10.0 (3)	14.0 (3)
			Btu/h	24,200 (3)	34,100 (3)	47,800 (3)
			kcal/h	6,100 (3)	8,600 (3)	12,000 (3)
Heating capacity	Nom.		kW	8.0 (4)	11.2 (4)	16 (4)
			Btu/h	27,300 (4)	38,200 (4)	54,600 (4)
			kcal/h	6,900 (4)	9,600 (4)	13,800 (4)
Power input	Cooling	Nom.	kW	1.85	2.47	4.36
	Heating	Nom.	kW	1.70	2.38	3.99
EER				3.84	4.05	3.21
COP				4.71		4.01
SEER				4.67 (5)	4.62 (5)	4.17 (5)
Annual energy consumption			kWh	925	1,235	2,180
Energy label	Cooling			A		
	Heating			A		

2-2 Technical Specifications				RZQG71LV1B	RZQG100LV1B	RZQG125LV1B	RZQG140LV1B
Capacity control step			%	100-0			
Casing	Colour		Ivory white				
Dimensions	Unit	Height	mm	990	1,430		
		Width	mm	940			
		Depth	mm	320			
Weight	Unit		kg	77	99		
Heat exchanger	Rows	Quantity		2			
	Fin pitch	mm		1.4			
	Face area	m ²		0.884	1.286		
	Stages	Quantity		44	64		
	Tube type	Cross fin coil (waffle fins and Hi-XSL tubes)					
Fan	Type		Propeller fan				
	Air flow rate	Cooling High	m ³ /min	59	114		
Fan motor	Quantity		1				
	Model		P51J11F				
	Output		W	94			
Fan motor 2	Output		W	94			
Sound power level	Nom.		dBA	64	66	67	68
Sound pressure level	Cooling	Nom.	dBA	48	50	51	
	Heating	Nom.	dBA	50	52	53	
Compressor	Model		2YC63FXD#D		5VD420XAA21		
	Type		Hermetically sealed swing compressor		Hermetically sealed rotary compressor		
	Output		W	1.62	2.14	2.90	3.60