(4) Duct connected-High static pressure type (FDUA)

Item			Model	FDUA100VNPWVH	
				Indoor unit **FDUA100VH**	Outdoor unit **FDC100VNP-W**
Power source				1 Phase 220-240V 50Hz	
Operation data	Nominal cooling capacity (range)		kW	10.0 [2.1(Min.) – 10.2(Max.)]	
	Nominal heating capacity (range)		kW	10.0 [1.7(Min.) – 10.4(Max.)]	
	Power consumption	Cooling	kW	2.99	
		Heating		2.57	
	Max power consumption			4.46	
	Running current	Cooling	A	13.2	
		Heating		11.4	
	Inrush current, max current			5, 19	
	Power factor	Cooling	%	98	
		Heating		98	
	EER	Cooling		3.34	
	COP	Heating		3.89	
	Sound power level	Cooling	dB(A)	69	68
		Heating			67
	Sound pressure level	Cooling		P-Hi: 43 Hi: 42 Me: 40 Lo: 37	56
		Heating		P-Hi: 44 Hi: 42 Me: 40 Lo: 37	54
	Silent mode sound pressure level	Cooling		–	52
		Heating			50
Exterior dimensions (Height x Width x Depth)			mm	398 × 1150 × 650	750 × 880(+88) × 340
Exterior appearance (Munsell color) (RAL color)				–	Stucco white (4.2Y7.5/1.1) near equivalent (RAL 7044) near equivalent
Net weight			kg	52	57
Compressor type & Q'ty				–	RMT5118SWP1 (Twin rotary type)×1
Compressor motor (Starting method)			kW	–	Direct line start
Refrigerant oil (Amount, type)			L	–	0.675 (DIAMOND FREEZE MB75)
Refrigerant (Type, amount, pre-charge length)			kg	R32 1.7 in outdoor unit (Incl. the amount for the piping of 15m)	
Heat exchanger				Louver fin & inner grooved tubing	M shape fin & inner grooved tubing
Refrigerant control				Electronic expansion valve	
Fan type & Q'ty				Centrifugal fan ×2	Propeller fan ×1
Fan motor (Starting method)			W	350 < Direct line start >	86 < Direct line start >
Air flow		Cooling	m^3/min	P-Hi: 39 Hi: 36 Me: 33 Lo: 29	63
		Heating			55
Available external static pressure			Pa	Standard：50 Max：200	–
Outside air intake				Possible	–
Air filter, Quality / Quantity				Procure locally	–
Shock & vibration absorber				Rubber sleeve (for fan motor)	Rubber sleeve (for fan motor & compressor)
Electric heater			W	–	–
Operation control	Remote control			(Option) Wired : RC-EXZ3A,RC-E5,RCH-E3 Wireless : RCN-KIT4-E2	
	Room temperature control			Thermostat by electronics	
	Operation display			–	
Safety equipments				Compressor overheat protection, Overcurrent protection Frost protection, Serial signal error protection, Indoor fan motor error protection Heating overload protection(High pressure control), Cooling overload protection	
Installation data	Refrigerant piping size (O.D)	Liquid line	mm	I/U ϕ9.52 (3/8") Pipe ϕ6.35(1/4")x0.8 O/U ϕ6.35 (1/4")	
		Gas line		ϕ15.88 (5/8") Pipe ϕ15.88(5/8")x1.0 ϕ15.88 (5/8")	
	Connecting method			Flare piping	Flare piping
	Attached length of piping		m	–	–
	Insulation for piping			Necessary (both Liquid & Gas lines)	
	Refrigerant line (one way) length		m	Max.30m	
	Vertical height diff. between O/U and I/U		m	Max.20 (Outdoor unit is higher) / Max.20 (Outdoor unit is lower)	
	Drain hose			Hose connectable VP25 (I.D.25,O.D.32)	Hole size ϕ20 x 4 pcs.
Drain pump, max lift height			mm	Built-in drain pump , 600	–
Recommended breaker size			A	–	
L.R.A. (Locked rotor ampere)			A	5	
Interconnecting wires	Size x Core number			1.5mm^2 x 4 cores (Including earth cable) / Termainal block (Screw fixing type)	
IP number				IPX0	IPX4
Standard accessories				Mounting kit, Drain hose	Drain elbow, Drain hole grommet
Option parts				Motion sensor : LB-KIT2	

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

The pipe length is 7.5m.

Item / Operation	Indoor air temperature DB	Indoor air temperature WB	Outdoor air temperature DB	Outdoor air temperature WB	External static pressure of indoor unit	Standards
Cooling	27℃	19℃	35℃	24℃	50Pa	AS / NZS 3823.2
Heating	20℃	–	7℃	6℃		

(2) This air-conditioner is manufactured and tested in conformity with the ISO and AS / NZS.
(3) Sound level indicates the value in an anechoic chamber. During operation these values are somewhat higher due to ambient conditions.
(4) Select the breaker size according to the own national standard.
(5) The operation data indicate when the air-conditioner is operated at 230V 50Hz.
(6) The factory E.S.P. setting is set within the range of 80 - 150 Pa.If SW8-4 is turned to "ON",
E.S.P. setting range can be changed to 10 - 200 Pa.(For RC-EXZ3A and RC-E5 only)

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