

Item			Model	FDUM100VNPWWH	
				Indoor unit FDUM100VH	Outdoor unit FDC100VNP-W
Power source				1 Phase 220-240V 50Hz / 220V 60Hz	
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	3.08	
		Heating		2.45	
	Max power consumption			4.46	
	Running current	Cooling	A	13.1/13.7	
		Heating		10.4/10.9	
	Inrush current, max current			5, 19	
	Power factor	Cooling	%	98/98	
		Heating		98/98	
	EER	Cooling		3.25	
	COP	Heating		4.08	
	Sound power level	Cooling	dB(A)	65	68
		Heating		67	
Sound pressure level	Cooling	P-Hi: 44 Hi: 38 Me: 36 Lo: 30		56	
	Heating	54			
Silent mode sound pressure level	Cooling	—		52	
	Heating	50			
Exterior dimensions (Height x Width x Depth)			mm	280 × 1,370 × 740 750 × 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	54 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 x3	Propeller fan x1
Fan motor (Starting method)			W	100 + 130 < Direct line start >	86 < Direct line start >
Air flow	Cooling	m³/min	P-Hi: 36 Hi: 28 Me: 25 Lo: 19	63	
	Heating			55	
Available external static pressure			Pa	Standard : 60 Max : 100 —	
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-EX3A,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.20m (Outdoor unit is higher) / Max.20m (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) / Terminal block (Screw fixing type)	
IP number				IPX0	IPX4
Standard accessories				Mounting kit, Drain hose	Drain elbow, Drain hole grommet
Option parts				Filter set : UM-FL3EF , Motion sensor : LB-KIT	

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

The pipe length is 7.5m.

Operation	Item	Indoor air temperature		Outdoor air temperature		External static pressure of indoor unit	Standards
		DB	WB	DB	WB		
Cooling		27°C	19°C	35°C	24°C	60Pa	ISO5151-T1
Heating		20°C	—	7°C	6°C		ISO5151-H1

(2) This air-conditioner is manufactured and tested in conformity with the ISO.

(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 or 220 V60Hz.

(6) Static pressure of option air filter "UM-FL2EF" is 5Pa initially.

(7) The external static pressure setting can be changed to 10-100Pa. (For RC-EX3A and RC-E5 only)