

Item			Model	FDUM125VSF	
				Indoor unit FDUM125VF	Outdoor unit FDC125VS
Power source			3 Phase 380-415V 50Hz / 380V 60Hz		
Operation data	Nominal cooling capacity (range)		kW	12.5 [5.0(Min.) ~ 14.0(Max.)]	
	Nominal heating capacity (range)		kW	14.0 [4.0(Min.) ~ 16.0(Max.)]	
	Power consumption		Cooling Heating	kW	3.90
					3.88
	Max power consumption				5.46
	Running current		Cooling Heating	A	5.8 / 6.1
					5.8 / 6.1
	Inrush current, max current				5, 15
	Power factor		Cooling Heating	%	97
					97
	EER		Cooling		3.21
	COP		Heating		3.61
	Sound power level		Cooling Heating	dB(A)	67
Sound pressure level		Cooling Heating	P-Hi : 45 Hi : 40 Me : 34 Lo : 29		50
					51
Silent mode sound pressure level				—	—
Exterior dimensions (Height × Width × Depth)			mm	280 × 1370 × 740	845 × 970 × 370
Exterior appearance (Munsell color)				—	Stucco White (4.2Y7.5/1.1)near equivalent
Net weight			kg	54	83
Compressor type & Q'ty				—	RMT5126MDE3×1
Compressor motor (Starting method)			kW	—	Direct line start
Refrigerant oil (Amount, type)			ℓ	—	0.9 M-MA68
Refrigerant (Type, amount, pre-charge length)			kg	R410A 3.8kg in outdoor unit (incl. the amount for the piping of : 30m)	
Heat exchanger				Louver fin & inner grooved tubing	Straight fin & inner grooved tubing
Refrigerant control				Electronic expansion valve	
Fan type & Q'ty				Centrifugal fan ×3	Propeller fan ×1
Fan motor (Starting method)			W	100 + 200 < Direct line start >	86 < Direct line start >
Air flow		Cooling Heating	m³/min	P-Hi : 39 Hi : 32 Me : 26 Lo : 20	75
					73
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 compressor)
Electric heater			W	—	20 (Crank case heater)
Operation control	Remote control			(option) wired : RC-EX1A, RC-E5, RCH-E3 wireless : RCN-KIT3-E	
	Room temperature control			Thermostat by electronics	
	Operation display			—	
Safety equipments				Overload protection for fan motor. Frost protection thermostat. Internal thermostat for fan motor. Abnormal discharge temperature protection.	
Installation data	Refrigerant piping size (O.D.)		mm	Liquid line: I/U ϕ 9.52 (3/8") Pipe ϕ 9.52(3/8")×0.8 O/U ϕ 9.52 (3/8")	
	Connecting method			Gas line: ϕ 15.88 (5/8") ϕ 15.88(5/8")×1.0 ϕ 15.88 (5/8")	
	Attached length of piping			Flare piping	Flare piping
	Insulation for piping			Necessary (both Liquid & Gas lines)	
	Refrigerant line (one way) length		m	Max.50m	
	Vertical height diff. between O.U. and I.U.		m	Max.30m (Outdoor unit is higher)	Max.15m (Outdoor unit is lower)
Drain hose				Hose connectable with VP25 (O.D.32)	Holes size ϕ20 × 3pcs
Drain pump, max lift height			mm	Built-in Drain pump, 600	—
Recommended breaker size			A	—	
L.R.A. (Locked rotor ampere)			A	5.0	
Interconnecting wires Size × Core number				ϕ 1.6mm×3 cores (including earth cable) / Terminal block (Screw fixing type)	
IP number				IPX0	IP24
Standard accessories				Mounting kit, Drain hose	Edging
Option parts				UM-FL3EF	

Note (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		
	Heating	20°C	—	7°C	6°C		

(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 value are somewhat higher due to ambient conditions.

(4) Select the breaker size according to the own national standard.

(5) When wireless remote control is used, fan is 3 speed setting (Hi-Me-Lo) only.

(6) The operation data indicate when the air-conditioner is operated at 400V50Hz or 380V60Hz.

(7) Static pressure of optional air filter "UM-FL3EF" is 5Pa initially.

(8) The external static pressure setting can be changed to 10-100Pa. (For RC-EX1A and RC-E5 only)