

Item			Model	FDUM140VSF	
				Indoor unit FDUM140VF	Outdoor unit FDC140VS
Power source			3 Phase 380-415V 50Hz / 380V 60Hz		
Operation data	Nominal cooling capacity (range)		kW	14.0 [5.0(Min.) ~ 14.5(Max.)]	
	Nominal heating capacity (range)		kW	16.0 [4.0(Min.) ~ 16.5(Max.)]	
	Power consumption	Cooling	kW	4.95	
		Heating		4.69	
	Max power consumption			6.44	
	Running current	Cooling	A	7.4 / 7.8	
		Heating		7.0 / 7.4	
	Inrush current, max current			5, 15	
	Power factor	Cooling	%	97 / 96	
		Heating		97 / 96	
	EER	Cooling		2.83	
	COP	Heating		3.41	
	Sound power level	Cooling	dB(A)	70	
		Heating		73	
	Sound pressure level	Cooling		P-Hi : 47 Hi : 40 Me : 35 Lo : 30	
Heating		51			
Silent mode sound pressure level				—	
Exterior dimensions (Height × Width × Depth)			mm	280 × 1370 × 740	
Exterior appearance (Munsell color)				845×970×370 Stucco White (4.2Y7.5/1.1)near equivalent	
Net weight			kg	54	
Compressor type & Q'ty				—	
Compressor motor (Starting method)			kW	—	
Refrigerant oil (Amount, type)			ℓ	—	
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 : 48 Hi : 35 Me : 28 Lo : 22	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	—	
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		m	Flare piping	
	Insulation for piping			Flare piping	
	Refrigerant line (one way) length		m	Necessary (both Liquid & Gas lines)	
	Vertical height diff. between O.U. and I.U.		m	Max.50m	
	Drain hose			Max.30m (Outdoor unit is higher) Max.15m (Outdoor unit is lower)	
Drain pump, max lift height			mm	Hose connectable with VP25 (O.D.32) Holes size ϕ20 × 3pcs	
Recommended breaker size			A	Built-in Drain pump, 600	
L.R.A. (Locked rotor ampere)			A	—	
Interconnecting wires Size × Core number				5.0	
IP number				ϕ 1.6mm×3 cores (including earth cable) / Terminal block (Screw fixing type)	
Standard accessories				IPX0 IP24	
Option parts				Mounting kit, Drain hose Edging	
				UM-FL3EF	

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

The pipe length is 7.5m.

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		

(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)