

			Model	FDUM140NVNF			
Item				Indoor unit FDUM140VF	Outdoor unit FDC140VN		
Power source				1 Phase 220-240V 50Hz / 220V 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	22.2 / 23.2			
		Heating		21.0 / 22.0			
	Inrush current, max current			5, 24			
	Power factor	Cooling	%	97			
		Heating		97			
	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 )				—			
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			
Refrigerant control				Electronic expansion valve			
Fan type & Q'ty				Centrifugal fan ×3			
Fan motor (Starting method)			W	100 + 200 < 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)			
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 x Core number				5.0			
IP number				ϕ 1.6mm×3 cores (including earth cable) / Terminal block (Screw fixing type)			
Standard accessories				IPX0			
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.				
Operation	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
60Pa							
ISO5151-T1							
(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 230V50Hz or 220V60Hz.							
(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)							