				FDUM100VSVF1			
Item				Indoor unit FDUM100VF1	Outdoor unit FDC100VS		
Power source				3 Phase 380-415V 50Hz / 380V 60Hz			
	Nominal cooling capacity (range)		kW	10.0 [4.0(Min.) ~ 11.2(Max.)]			
Operation data	Nominal heating capacity) 	kW	11.2 [4.0(Min.) ~ 12.5(Max.)]			
	Power	Cooling		2.80			
	consumption Heating		kW	3.02			
	Max power consumption			4.23			
	Running Cooling			4.2 / 4.4			
	current Heating		Α	4.5 / 4.7			
	Inrush current, max current			5, 15			
	Power factor Cooling		%	96 / 97 97 / 98			
	FFD	Heating					
	EER COP	Cooling Heating		3.57 3.71			
	СОР	<u> </u>		ა.	/ I		
	Sound power level	Cooling Heating		65	70		
	Sound pressure level	Cooling Heating	dB(A)	P-Hi: 44 Hi: 38 Me: 36 Lo: 30	49		
	Silent mode sound pressu	re level	<u> </u>				
Exterior dimensions (Height × Width × Depth)			mm	280 × 1370 × 740	845 × 970 × 370		
Exterior appearance					Stucco White		
(Munsell color)				_ -	(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)			Q		0.9 M-MA68		
Refrigerant (Type, amount, pre-charge length)			kg	R410A 3.8kg in outdoor unit (incl. t			
Heat exchanger				Louver fin & inner grooved tubing Straight fin & inner grooved tubing			
Refrigerant control				Electronic expansion valve			
Fan type & Q'ty			100	Centrifugal fan ×3	Propeller fan ×1		
Fan motor (Starting method)			W	100 + 130 < Direct line start >	86 < Direct line start >		
Air flow Cooling Heating		m³/min	P-Hi: 36 Hi: 28 Me: 25 Lo: 19	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 Remote control				(option) wired : RC-EX1A, RC-E5	·		
control	Room temperature contro	I		Thermostat b	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") Gas line: ϕ 15.88 (5/8") ϕ 15.88(5/8")×1.0 ϕ 15.88 (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.50m			
	Vertical height diff. between O.U. and I.U. Drain hose		m	Max.30m (Outdoor unit is higher) Max.15m (Outdoor unit is lower Hose connectable with VP25 (O.D.32) Holes size ϕ 20 × 3pcs			
Drain pump, max lift height			mm	Built-in Drain pump, 600 — Holes size ϕ 20 × 3pcs —			
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) / Termainal block (Screw fixing type)			
IP number				IPX0 IP24			
Standard accessories				Mounting kit, Drain hose Edging			
Option parts				UM-FL3EF			
Οριιστ ραιτο				Olvi-i LULI			

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	Standards
Operation	DB	WB	DB	WB	of indoor unit	Standards
Cooling	27°C	19°C	35°C	24°C	60Pa	ISO5151-T1
Heating	20°C	_	7°C	6°C	оога	1303131-11

- (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)