

Model			FDUM100VSVF1							
			Indoor unit FDUM100VF1	Outdoor unit FDC100VS						
Item										
Power source			3 Phase 380-415V 50Hz / 380V 60Hz							
Operation data	Nominal cooling capacity (range)		kW		10.0 [4.0(Min.) ~ 11.2(Max.)]					
	Nominal heating capacity (range)		kW		11.2 [4.0(Min.) ~ 12.5(Max.)]					
	Power consumption		Cooling	kW	2.80					
	Heating		3.02							
	Max power consumption				4.23					
	Running current		Cooling	A	4.2 / 4.4					
	Heating		4.5 / 4.7							
	Inrush current, max current				5, 15					
	Power factor		Cooling	%	96 / 97					
	Heating		97 / 98							
	EER		Cooling	3.57						
	COP		Heating	3.71						
Operation data	Sound power level		Cooling	dB(A)	65		70			
	Heating									
	Sound pressure level		Cooling	dB(A)	P-Hi : 44 Hi : 38 Me : 36 Lo : 30		49			
	Heating									
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 + 130 < Direct line start >		86 < Direct line start >			
Air flow		Cooling	m³/min	P-Hi : 36 Hi : 28 Me : 25 Lo : 19		75				
		Heating				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		m		Flare piping		Flare piping			
	Insulation for 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.					