

Item		Model	FDC250VSA		
Power source			3 Phase 380-415V 50Hz / 380V 60Hz		
Operation data	Nominal cooling capacity (range)	kW	24.0 [ 6.9(Min.)-28.0(Max.)]		
	Nominal heating capacity (range)	kW	27.0 [ 5.5(Min.)-31.5(Max.)]		
	Sound power level	Cooling	dB(A)	73	
		Heating		75	
	Sound pressure level	Cooling		59	
Heating		62			
Silent mode sound pressure level		54			
Exterior dimensions (Height × Width × Depth)		mm	1505×970×370		
Exterior appearance ( Munsell color ) ( RAL color )			Stucco white ( 4.2Y7.5/1.1 ) near equivalent ( RAL 7004 ) near equivalent		
Net weight		kg	143		
Compressor type & Q'ty			GTC5150NC40KF ( Scroll type )×1		
Compressor motor (Starting method)		kW	Direct line start		
Refrigerant oil (Amount, type)		ℓ	1.45 (M-MA32R)		
Refrigerant (Type, amount, pre-charge length)		kg	R410A 7.2kg in outdoor unit (Incl. the amount for the piping of : 30m)		
Heat exchanger			M shape & inner grooved tubing		
Refrigerant control			Electronic expansion valve		
Fan type & Q'ty			Propeller fan ×2		
Fan motor (Starting method)		W	86x2 < Direct line start >		
Air flow	Cooling	m <sup>3</sup> /min	143		
	Heating		151		
Shock & vibration absorber			Rubber sleeve (for compressor)		
Electric heater		W	20 (Crank case heater)		
Safety equipments			Internal thermostat for fan motor. Abnormal discharge temperature protection.		
Installation data	Refrigerant piping size ( O.D. )	mm	Liquid line: φ 12.7 (1/2") Gas line: φ 22.22 (7/8")		
	Connecting method		Liquid line : Flare / Gas : Brazing		
	Attached length of piping	m	—		
	Insulation for piping		Necessary (both Liquid & Gas lines)		
	Refrigerant line (one way) length	m	Max.70 (Gas piping : φ 25.4 or φ 28.58, Max.35 (Gas piping : φ 22.22)		
Vertical height diff. between O/U and I/U	m	Max.30 (Outdoor unit is higher) Max.15 (Outdoor unit is lower)			
Drain hose			Hole size φ 20 × 3 pcs		
IP number			IP24		
Standard accessories			Connecting pipe, Edging		
Option parts			—		
Notes (1) The data are measured at the following conditions.			The pipe length is 7.5m.		
Operation	Indoor air temperature		Outdoor air temperature		Standards
	DB	WB	DB	WB	
	Cooling	27°C	19°C	35°C	
Heating	20°C	—	7°C	6°C	ISO5151-H1
(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 values are somewhat higher due to ambient conditions.					
(4) The operation data indicate when the air-conditioner is operated at 400V 50Hz or 380V 60Hz.					