

Model			FDF140VNAWVH	
Item			Indoor unit FDF140VH	Outdoor unit FDC140VNA-W
Power source			1 Phase, 220-240V 50Hz / 220V 60Hz	
Operation data	Nominal cooling capacity (range)	kW	13.6 [5.0(Min.) - 14.5(Max.)]	
	Nominal heating capacity (range)	kW	15.5 [4.0(Min.) - 16.5(Max.)]	
	Power consumption	Cooling	5.35	
		Heating	4.98	
	Max power consumption		6.40	
	Running current	Cooling	24.0 / 25.1	
		Heating	22.1 / 23.1	
	Inrush current, max current		5 , 24	
	Power factor	Cooling	97	
		Heating	98	
	EER	Cooling	2.54	
	COP	Heating	3.11	
	Sound power level	Cooling	67	
		Heating	72	
Operation data	Sound pressure level	Cooling	P-Hi : 55 Hi : 51 Me : 49 Lo : 44	
		Heating	56	
	Silent mode sound pressure level		49 / 45 (Normal / Silent)	
			—	
Exterior dimensions (Height x Width x Depth)			1850 × 600 × 329	845×970×370
Exterior appearance (Munsell color) (RAL color)			Ceramic white (N8.0) near equivalent (RAL 7047) near equivalent	Stucco white (4.2Y7.5/1.1) near equivalent (RAL 7044) near equivalent
Net weight			49	77
Compressor type & Q'ty			—	RMT5126SWP3 x 1
Compressor motor (Starting method)			—	Direct line start
Refrigerant oil (Amount, type)			—	0.9 (M-MB75)
Refrigerant (Type, amount, pre-charge length)			R32 3.3 in outdoor unit (Incl. the amount for the piping of 30m)	
Heat exchanger			Louver fin & inner grooved tubing	M shape fin & inner grooved tubing
Refrigerant control			Electronic expansion valve	
Fan type & Q'ty			Centrifugal fan x1	Propeller fan x1
Fan motor (Starting method)			157 < Direct line start >	86 < Direct line start >
Air flow	Cooling	m³/min	P-Hi : 29 Hi : 26 Me : 23 Lo : 19	
	Heating		75	
Available external static pressure			0	0
Outside air intake			Not possible	—
Air filter, Quality / Quantity			Plastic net x1 (Washable)	—
Shock & vibration absorber			Rubber sleeve (for fan motor)	Rubber sleeve (for fan motor & compressor)
Electric heater			—	20 (Crank case heater)
Operation control	Remote control		(Option) Wired : RC-EX3A , RC-E5 , RCH-E3 Wireless : RCN-KIT4-E2	
	Room temperature control		Thermostat by electronics	
	Operation display		—	
Safety equipments			Overload protection for fan motor. Frost protection thermostat. Refrigerant leak detection. Internal thermostat for fan motor. Abnormal discharge temperature protection.	
Installation data	Refrigerant piping size (O.D.)	Liquid line	Liquid line : I/U φ 9.52 (3/8") Pipe φ 9.52 (3/8")x0.8 O/U φ 9.52 (3/8")	
		Gas line	Gas line : φ 15.88 (5/8") φ 15.88 (5/8")x1.0 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.50	
	Vertical height diff. between O/U and I/U	m	Max.50 (Outdoor unit is higher)	Max.15 (Outdoor unit is lower)
Drain hose			Hose connectable with VP20	Hole size φ 20 x 3 pcs.
Drain pump, max lift height			—	—
Recommended breaker size			A	—
L.R.A. (Locked rotor ampere)			A	5.0
Interconnecting wires Size x Core number			φ 1.6mm x 3 cores + earth cable / Terminal block (Screw fixing type)	
IP number			IPX0	IP24
Standard accessories			Mounting kit	—
Option parts			Motion sensor : LB-KIT2	

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

The pipe length is 7.5m.

Item	Indoor air temperature		Outdoor air temperature		Standards
	DB	WB	DB	WB	
Cooling	27°C	19°C	35°C	24°C	ISO5151-T1
Heating	20°C		7°C	6°C	ISO5151-H1

(2) This air-conditioner is manufactured and tested in conformity with the ISO.

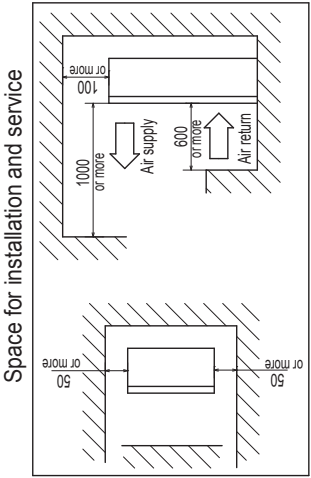
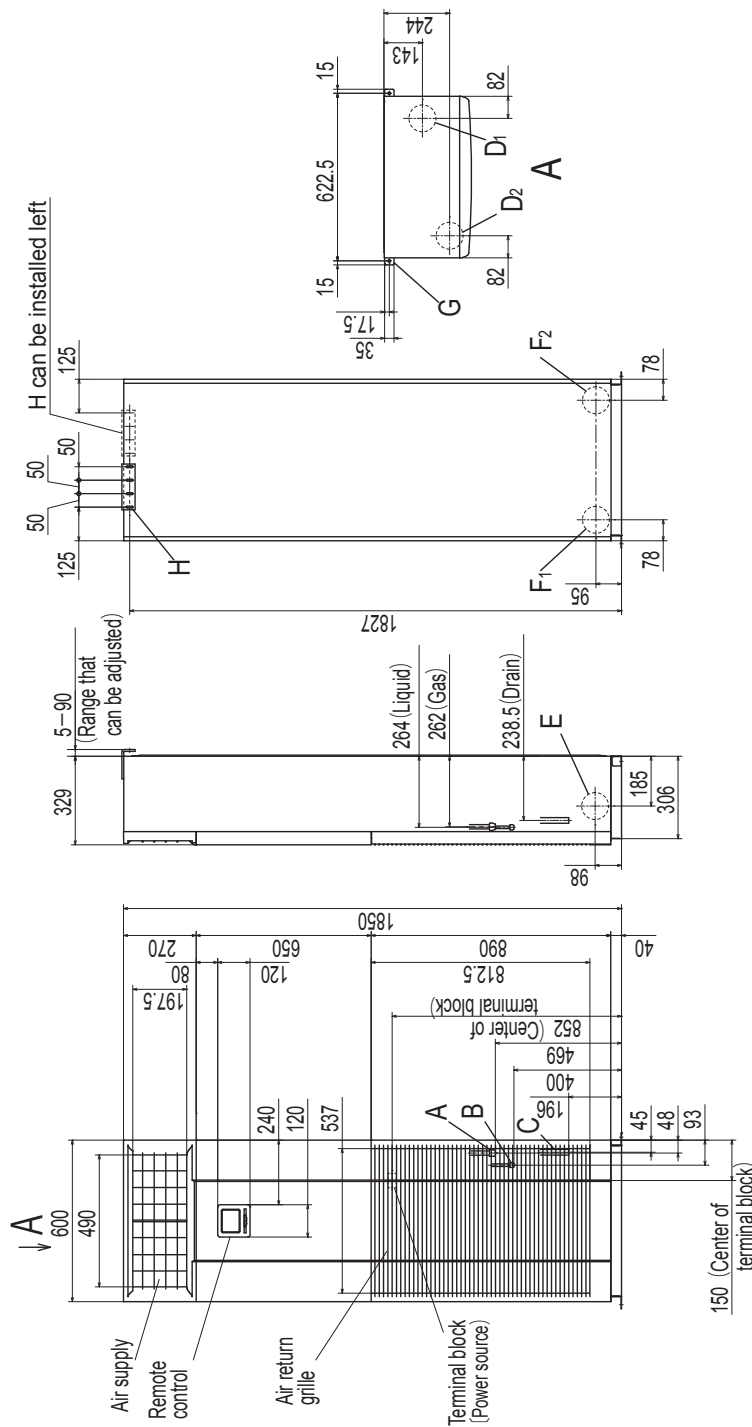
(3) Sound level indicates the value in an anechoic chamber. During operation these values are somewhat higher due to ambient conditions.

(4) Select the breaker size according to the own national standard.

(5) The operation data indicate when the air-conditioner is operated at 230V 50Hz or 220V 60Hz.

1.2 EXTERIOR DIMENSIONS

(1) Indoor units
Models FDF71VH, 100VH, 125VH, 140VH



Note (1) The model name label is attached on the left lower side panel inside the air return grille.

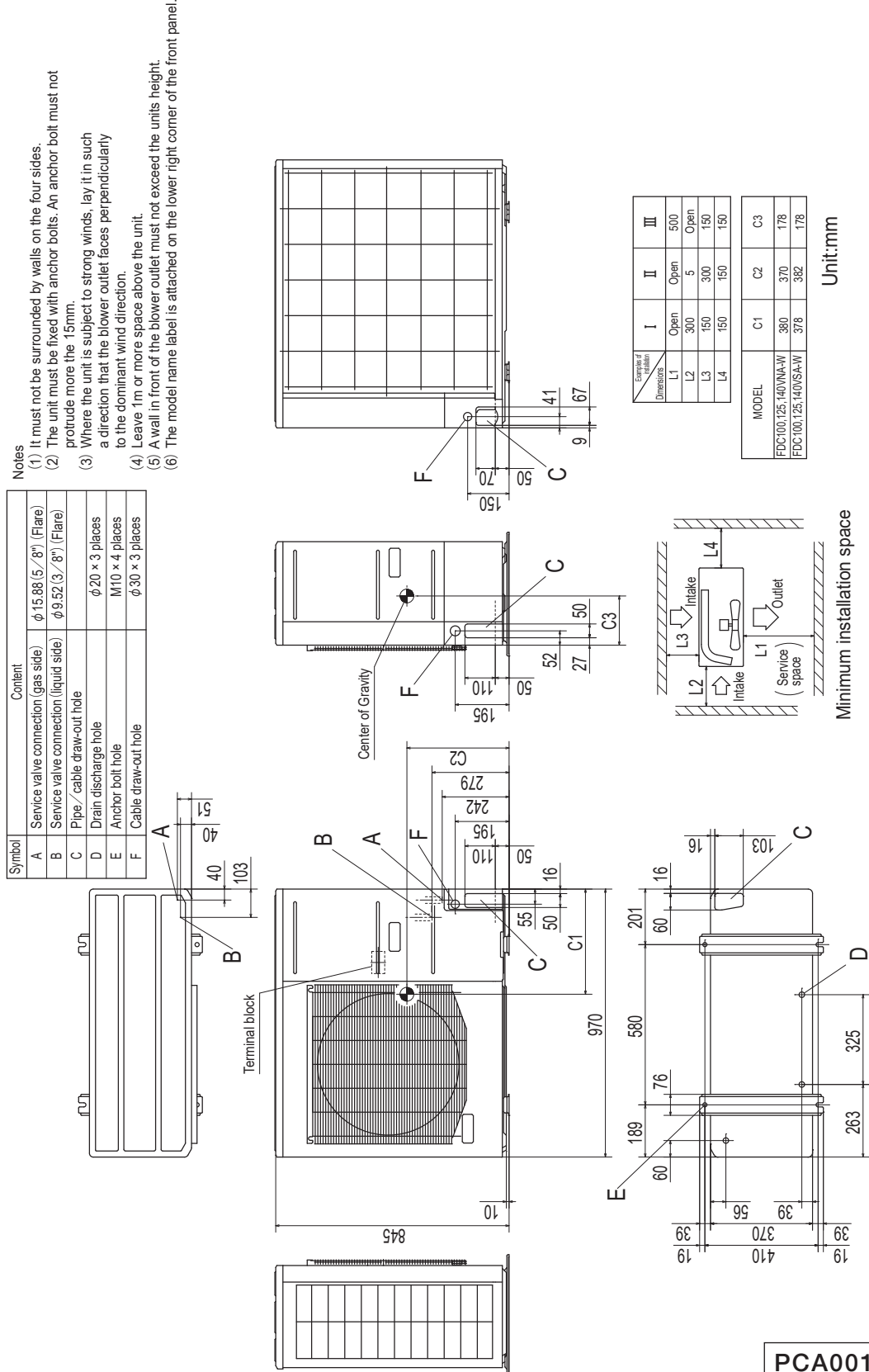
Unit:mm

Symbol	Content
A	Gas piping φ 15.88 (5/8") (Flare)
B	Liquid piping φ 9.52 (3/8") (Flare)
C	Drain piping VP20
D1,2	Hole on wall for bottom piping φ 100 (Resin cap having)
E	Hole on wall for side piping Fresh air intake (Both left and right)
F1,2	Hole on wall for rear piping φ 100 (Knock out)
G	Metal fittings to fix to floor face M8 (2 places)
H	Fail prevention metal fittings 4-7 × 25 (Slot)

2.2 EXTERIOR DIMENSIONS

- (1) Indoor units See page 12.
 (2) Outdoor units

Models FDC100VNA-W, 125VNA-W, 140VNA-W
 100VSA-W, 125VSA-W, 140VSA-W



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