

CEILING SUSPENDED FDEN



FDEN 100/125/140VF

Remote control (Option)

Wired

Wireless



RC-EX1A

RC-E5

RCH-E3

RCN-E1R

SPECIFICATIONS

			Micro Inverter					
Set model name			FDEN100VNVF	FDEN125VNVF	FDEN140VNVF	FDEN100VSVF	FDEN125VSVF	FDEN140VSVF
Indoor name			FDEN100VF	FDEN125VF	FDEN140VF	FDEN100VF	FDEN125VF	FDEN140VF
Outdoor name			FDC100VN	FDC125VN	FDC140VN	FDC100VS	FDC125VS	FDC140VS
Power source			1Phase 220-240V 50Hz, 1Phase 220V 60Hz			3Phase 380-415V 50Hz, 3Phase 380V 60Hz		
Nominal cooling capacity (Min~Max)	ISO-T1(JIS)	kW	10.0 (4.0~11.2)	12.5 (5.0~14.0)	14.0 (5.0~14.5)	10.0 (4.0~11.2)	12.5 (5.0~14.0)	14.0 (5.0~14.5)
Nominal heating capacity (Min~Max)	ISO-T1(JIS)	kW	11.2 (4.0~12.5)	14.0 (4.0~16.0)	16.0 (4.0~16.5)	11.2 (4.0~12.5)	14.0 (4.0~16.0)	16.0 (4.0~16.5)
Power consumption	Cooling/Heating	kW	2.85/2.97	4.45/4.08	5.80/4.92	2.85/2.97	4.45/4.08	5.80/4.92
COP	Cooling/Heating		3.51/3.77	2.81/3.43	2.41/3.25	3.51/3.77	2.81/3.43	2.41/3.25
Energy label	Cooling/Heating		A/A	C/B	E/C	A/A	C/B	E/C
Inrush current (Max. running current)		A	5(24)			5(15)		
Sound pressure level*1	Indoor	dB(A)	Hi:44 Me:41 Lo:39	Hi:46 Me:44 Lo:43		Hi:44 Me:41 Lo:39	Hi:46 Me:44 Lo:43	
	Outdoor		49	Cooling:50 Heating:51	51	49	Cooling:50 Heating:51	51
Sound power level*1	Outdoor	dB(A)	70	72	73	70	72	73
Air flow	Indoor	CMM	Hi:26 Me:23 Lo:21	Hi:29 Me:26 Lo:23		Hi:26 Me:23 Lo:21	Hi:29 Me:26 Lo:23	
	Outdoor		Cooling:75 Heating:73					
Indoor unit	Exterior dimensions	Height x Width x Depth	mm					
	Net weight	kg	250x1,620x690					
	Air filter, Q'ty		49					
Indoor unit	Remote control(option)		Pocket Plastic net x2 (Washable)					
			Wired:RC-EX1A, RC-E5, RCH-E3 Wireless:RCN-E1R					
Outdoor unit	Exterior dimensions	Height x Width x Depth	mm					
	Net weight	kg	81			83		
	Type of compressor		Rotary					
Range of usage	Ref.amount precharged	kg(m)	3.8(30)					
	Ref.piping size	Liquid/Gas	ø					
	Ref.piping length	m	9.52/15.88					
Range of usage	Vertical height difference	O/U is higher	m					
		O/U is lower	m					
			15					
Operating temperature range	Cooling	O/U	-15~43*2					
	Heating	O/U	-20~20					

The data are measured under the following conditions(ISO-T1).

Cooling:Indoor temp. of 27°CDB, 19°CWB, and outdoor temp. of 35°CDB.

Heating:Indoor temp. of 20°CDB, and outdoor temp. of 7°CDB, 6°CWB.

*1 : Indicates the value in an anechoic chamber. During operation these values are somewhat higher due to ambient conditions.

*2 : If a cooling operation is conducted when the outdoor air temperature is -5°C or lower, the outdoor unit should be installed at a place where it is not influenced by natural wind. If wind blows, the low pressure will drop and compressor frequency will increase, this will cause the capacity to drop and may cause the unit to break down.

* Powerful-Hi can be selected. Sound level: 100VNVF 46dB, 125/140VNVF 50dB, 100VSVF 46dB, 125/140VSVF 50dB

Air flow: 100VNVF 28CMM, 125/140VNVF 32CMM, 100VSVF 28CMM, 125/140VSVF 32CMM