

CEILING SUSPENDED FDEN



FDEN 40/50/60/71/100/125/140

Remote control (Option)

Wired

Wireless



RC-EX1A



RC-E5



RCH-E3



RCN-E1R

Point 1

Improved installation workability

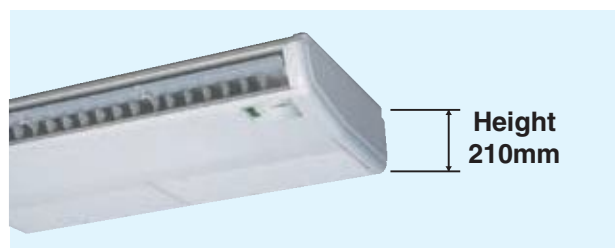
Increased freedom of a piping layout



The refrigerant pipe from the unit can be arranged in three directions, rear, right and up. The drain pipe can be arranged in two directions, left and right. This will allow a free layout of piping for various installation conditions. The unit can only be serviced from the bottom.

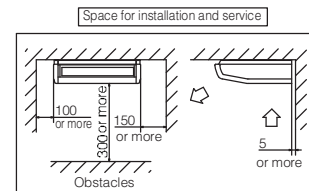
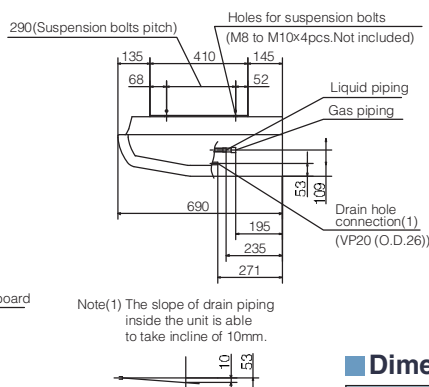
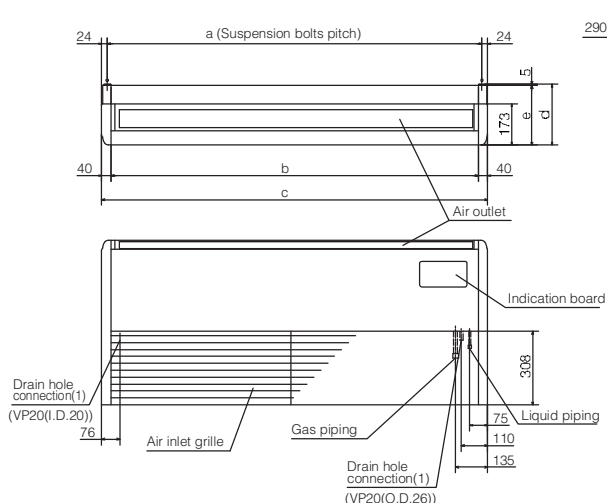
Point 2

Compact and modern design



All models fit compactly on ceiling. (Height-210mm or 250mm). Plain, modern design featuring rounded edges gives room a comfortable atmosphere. FDEN40VF, 50VF weights 30kg the lightest level in the industry. Convenient and quick installation.

Dimensions (Unit:mm)



Dimension Table

model	a	b	c	d	e
FDEN40,50	1022	990	1070	215	210
FDEN60,71	1272	1240	1320	215	210
FDEN100-140	1572	1540	1620	255	250

SPECIFICATIONS

			HyperInverter							
Set model name			FDEN40ZJXVF	FDEN50ZJXVF	FDEN60ZJXVF	FDEN71VNXVF1	FDEN100VNXVF1			
Indoor unit			FDEN40VF	FDEN50VF	FDEN60VF	FDEN71VF1	FDEN100VF1			
Outdoor unit			SRC40ZJX-S	SRC50ZJX-S	SRC60ZJX-S	FDC71VNX	FDC100VNX			
Power source			1 Phase 220-240V 50Hz, 1 Phase 220V 60Hz							
Nominal cooling capacity (Min~Max)			kW 4.0 (1.1 ~ 4.7)	5.0 (1.1 ~ 5.6)	5.6 (1.1 ~ 6.3)	7.1 (3.2 ~ 8.0)	10.0 (4.0 ~ 11.2)			
Nominal heating capacity (Min~Max)			kW 4.5 (0.6 ~ 5.4)	5.4 (0.6 ~ 6.3)	6.7 (0.6 ~ 7.1)	8.0 (3.6 ~ 9.0)	11.2 (4.0 ~ 12.5)			
Power consumption			Cooling/Heating kW 1.02 / 1.10	1.53 / 1.46	1.78 / 1.87	2.11 / 2.11	2.80 / 2.88			
EER/COP			Cooling/Heating 3.92 / 4.09	3.27 / 3.70	3.15 / 3.58	3.36 / 3.79	3.57 / 3.89			
Inrush current			220/230/240 V A 5	5	5	5	5			
Max. running current			12	15	15	17	24			
Sound power level*1	Indoor	Cooling/Heating	dB(A)	60 / 60	60 / 60	60 / 60	62 / 62	64 / 64		
	Outdoor	Cooling/Heating		63 / 63	63 / 63	64 / 64	66 / 66	70 / 70		
Sound pressure level*1 ※	Indoor	Cooling (Hi/Me/Lo)		39 / 38 / 37	39 / 38 / 37	41 / 39 / 38	41 / 39 / 38	44 / 41 / 39		
		Heating (Hi/Me/Lo)		39 / 38 / 37	39 / 38 / 37	41 / 39 / 38	41 / 39 / 38	44 / 41 / 39		
Air flow ※	Indoor	Cooling/Heating	m³/min	50 / 50	54 / 50	54 / 54	51 / 48	48 / 50		
				10 / 9 / 7	10 / 9 / 7	16 / 14 / 12	16 / 14 / 12	26 / 23 / 21		
	Heating (Hi/Me/Lo)	10 / 9 / 7		10 / 9 / 7	16 / 14 / 12	16 / 14 / 12	26 / 23 / 21			
	Outdoor	Cooling/Heating		36 / 33	40 / 33	41.5 / 39	60 / 50	100 / 100		
Exterior dimensions	Indoor	HeightxWidthxDepth	mm	210 x 1,070 x 690			210 x 1,320 x 690		250 x 1,620 x 690	
	Outdoor			640 x 800(+71) x 290			750 x 880(+88) x 340		1,300 x 970 x 370	
Net weight	Indoor		kg	28			37		37	49
	Outdoor			45			60		60	105
Ref.piping size Liquid/Gas			ømm	6.35(1/4") / 12.7(1/2")			9.52(3/8") / 15.88(5/8")			
Refrigerant line (one way) length			m	Max.30			Max.50		Max.100	
Vertical height differences			Outdoor is higher/lower	m	Max.20 / Max.20			Max.30 / Max.15		
Outdoor operating temperature range	Cooling		°C	-15-43*2					-20-20	
	Heating									
Air filter, Q'ty			Pocket Plastic net x2(Washable)							
Remote control (option)			wired:RC-EX1A, RC-E5, RCH-E3 wireless:RCN-E1R							

SPECIFICATIONS

			HyperInverter				
Set model name			FDEN125VNXVF	FDEN140VNXVF	FDEN100VSXVF1	FDEN125VSXVF	FDEN140VSXVF
Indoor unit			FDEN125VF	FDEN140VF	FDEN100VF1	FDEN125VF	FDEN140VF
Outdoor unit			FDC125VNX	FDC140VNX	FDC100VSX	FDC125VSX	FDC140VSX
Power source			1 Phase 220-240V 50Hz, 1 Phase 220V 60Hz		3 Phase 380-415V 50Hz, 3Phase 380V 60Hz		
Nominal cooling capacity (Min~Max)			kW 12.5 (5.0 ~ 14.0)	14.0 (5.0 ~ 16.0)	10.0 (4.0 ~ 11.2)	12.5 (5.0 ~ 14.0)	14.0 (5.0 ~ 16.0)
Nominal heating capacity (Min~Max)			kW 14.0 (4.0 ~ 17.0)	16.0 (4.0 ~ 18.0)	11.2 (4.0 ~ 16.0)	14.0 (4.0 ~ 18.0)	16.0 (4.0 ~ 20.0)
Power consumption	Cooling/Heating	kW	3.86 / 3.77	4.98 / 4.69	2.80 / 2.88	3.86 / 3.77	4.98 / 4.69
EER/COP	Cooling/Heating		3.24 / 3.71	2.81 / 3.41	3.57 / 3.89	3.24 / 3.71	2.81 / 3.41
Inrush current	220/230/240 V	A	5	5	5	5	5
Max. running current			26	26	15	15	15
Sound power level*1	Indoor	Cooling/Heating	67 / 67	67 / 67	64 / 64	67 / 67	67 / 67
	Outdoor	Cooling/Heating	70 / 70	72 / 72	70 / 70	70 / 70	72 / 72
Sound pressure level*1 ※	Indoor	Cooling (Hi/Me/Lo)	46 / 44 / 43	46 / 44 / 43	44 / 41 / 39	46 / 44 / 43	46 / 44 / 43
		Heating (Hi/Me/Lo)	46 / 44 / 43	46 / 44 / 43	44 / 41 / 39	46 / 44 / 43	46 / 44 / 43
Air flow ※	Indoor	Cooling/Heating	48 / 50	49 / 52	48 / 50	48 / 50	49 / 52
	Outdoor	Cooling (Hi/Me/Lo)	29 / 26 / 23	29 / 26 / 23	26 / 23 / 21	29 / 26 / 23	29 / 26 / 23
		Heating (Hi/Me/Lo)	29 / 26 / 23	29 / 26 / 23	26 / 23 / 21	29 / 26 / 23	29 / 26 / 23
Exterior dimensions	Indoor	Cooling/Heating	100 / 100	100 / 100	100 / 100	100 / 100	100 / 100
	Outdoor	HeightxWidthxDepth	250 x 1,620 x 690				
Net weight	Indoor	kg	1,300 x 970 x 370				
	Outdoor		49				
Ref.piping size	Liquid/Gas	ømm	105				
			9.52(3/8") / 15.88(5/8")				
Refrigerant line (one way) length			Max.100				
Vertical height differences			Max.30 / Max.15				
Outdoor operating temperature range	Cooling	°C	-15~43*2				
	Heating		-20~20				
Air filter, Q'ty			Pocket Plastic net x2(Washable)				
Remote control (option)			wired:RC-EX1A, RC-E5, RCH-E3 wireless:RCN-E1R				

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: 40/50ZJXVF 46dB, 60ZJXVF 48dB, 71VNXVF1 50dB, 100VN(S)XVF1 46dB, 125/140VN(S)XVF 50dB

Air flow: 40/50ZJXVF 11m³/min, 60ZJXVF 20m³/min, 71VNXVF1 20m³/min, 100VN(S)XVF1 28m³/min, 125/140VN(S)XVF 32m³/min