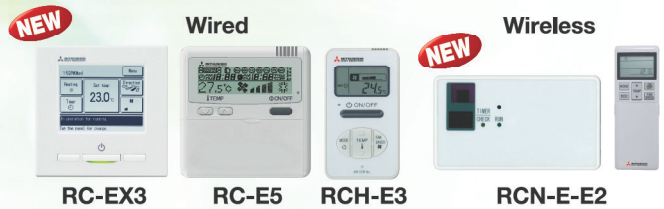


CEILING SUSPENDED FDE



FDE 100/140

Remote control (Option)



RC-EX3

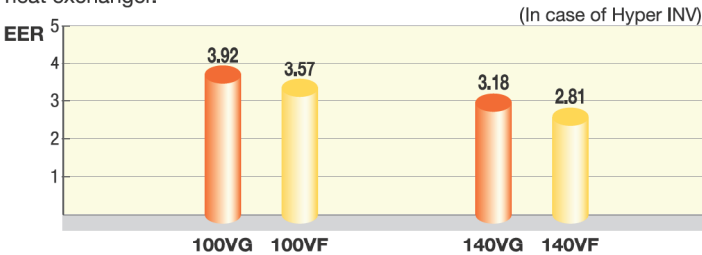
RC-E5

RCH-E3

RCN-E-E2

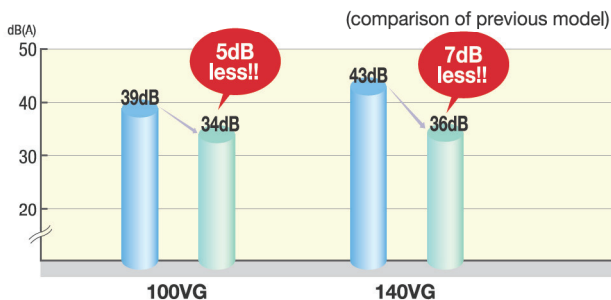
Point 1 High efficiency

Energy efficiency was improved by use of DC fan motor & high efficient heat exchanger.



Point 3 More quiet noise

The industry's lowest sound pressure levels were achieved by decreasing air flow volume, decreasing pressure loss with employment of one fan motor and optimizing casing and distributor shape.



Point 5 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.



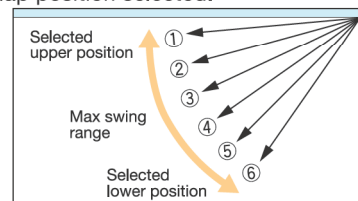
Point 2 Reduction of weight

Thanks to decreasing the numbers of fan motor from two to one, reduction of weight was achieved.

	previous	current	
100-140VG	49	43	6kg less!!

Point 4 Flap control system

The flap can swing within the range of upper and lower flap position selected.



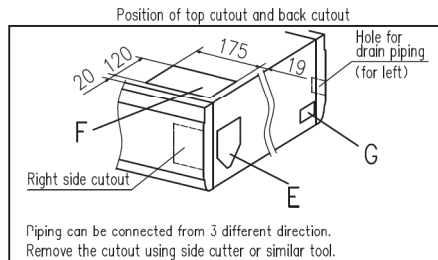
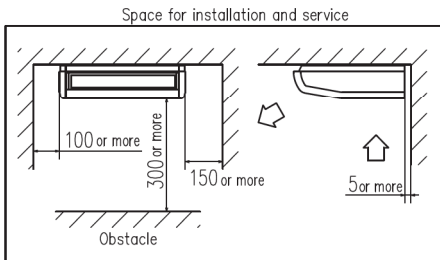
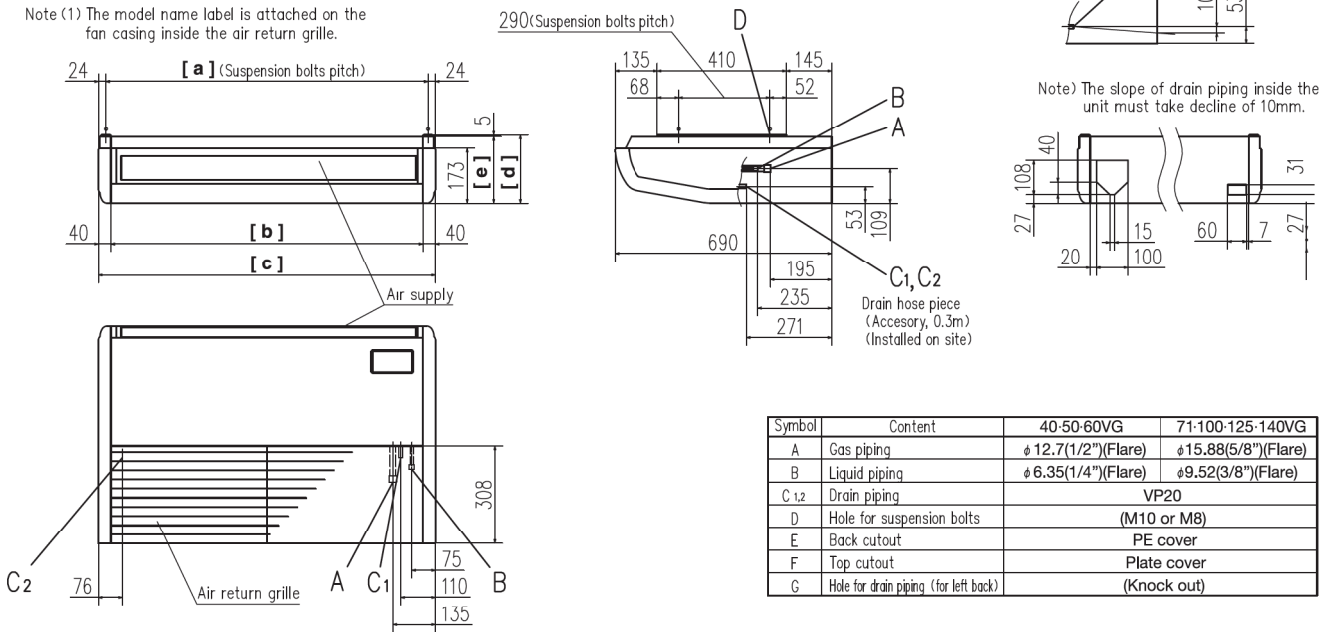
*The wireless remote control is not applicable to the flap control system.

OUTDOOR UNIT

	Micro Inverter 100~140VS
FDC	
model	
Chargeless	30m
Height x Width x Depth (mm)	845 x 970 x 370

DIMENSIONS (Unit:mm)

Note (1) The model name label is attached on the fan casing inside the air return grille.



DIMENSIONS TABLE

model	[a]	[b]	[c]	[d]	[e]	[f]
FDE100-140	1572	1540	1620	255	250	5000

Make a space of [f] or more between the units when installing more than one.

SPECIFICATIONS

		Micro Inverter		
		FDE100VSVG	FDE140VSVG	
Set model name		FDE100VSVG	FDE140VSVG	
Indoor unit		FDE100VG	FDE140VG	
Outdoor unit		FDC100VS	FDC140VS	
Power source		3 Phase 380-415V, 50Hz / 380V, 60Hz		
Nominal cooling capacity (Min~Max)	kW	10.0 (4.0 ~ 11.2)	14.0 (5.0 ~ 14.5)	
Nominal heating capacity (Min~Max)	kW	11.2 (4.0 ~ 12.5)	16.0 (4.0 ~ 16.5)	
Power consumption	Cooling/Heating kW	2.85 / 2.90	5.80 / 4.92	
EER/COP	Cooling/Heating	3.51 / 3.86	2.41 / 3.25	
Inrush current	A	5	5	
Max. current		15	15	
Sound power level*1	Indoor	Cooling/Heating	64 / 64	65 / 65
	Outdoor	Cooling/Heating	70 / 70	73 / 73
Sound pressure level*1 *2	Indoor	Cooling (Hi/Me/Lo)	43 / 38 / 34	45 / 40 / 36
	Outdoor	Cooling/Heating	43 / 38 / 34	45 / 40 / 36
Air flow *2	Indoor	Cooling (Hi/Me/Lo)	49 / 49	51 / 51
	Outdoor	Cooling (Hi/Me/Lo)	26 / 21 / 16.5	29 / 23 / 18
Exterior dimensions	Indoor	HeightxWidthxDepth	250 x 1,620 x 690	845 x 970 x 370
	Outdoor			
Net weight	Indoor		43	83
	Outdoor			
Ref.piping size	Liquid/Gas	φmm	9.52(3/8") / 15.88(5/8")	
Refrigerant line (one way) length		m	Max.50	
Vertical height differences	Outdoor is higher/lower	m	Max.30 / Max.15	
Outdoor operating temperature range	Cooling	°C	-15~43*3	
	Heating		-20~20	
Air filter, Q'ty			Pocket Plastic net x2(Washable)	
Remote control (option)			wired:RC-EX3, RC-E5, RCH-E3 wireless:RCN-C-E2	

*1 Powerful-Hi can be selected.

Sound pressure level: 100VSVG 48dB(A), 140VSVG 49dB(A)

Air flow : 100VSVG 32m³/min, 140VSVG 34m³/min

NOTES:

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 : The values are for one indoor unit operation.

*3 : 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.