

CEILING SUSPENDED FDE



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

Remote control (option)

Wired

Wireless



RC-EX3A



RC-E5



RCH-E3



RCN-E-E3



*Not all functions are available with all remote control options.

Point 1 High efficiency

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



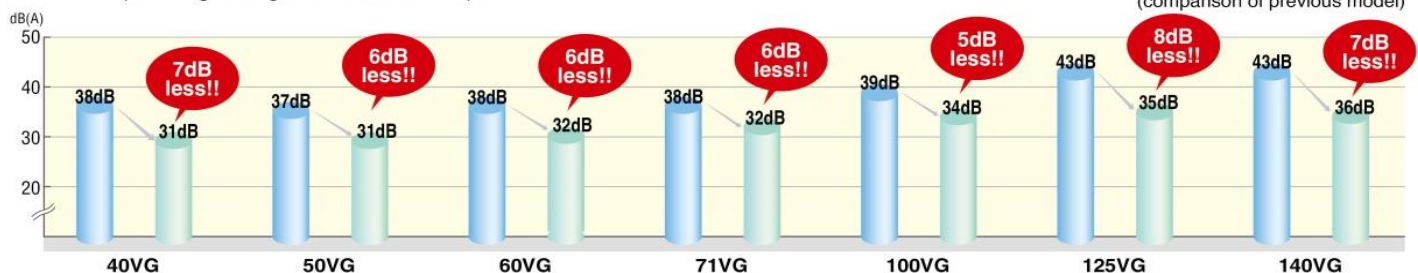
Point 2 Reduction of weight

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

	Previous	Current	
60-71VG	37	➔ 33	4kg less!!
100-125-140VG	49	➔ 43	6kg less!!

Point 3 More quiet noise

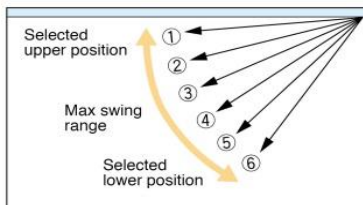
The industry's lowest sound pressure levels were achieved by decreasing air flow volume, decreasing pressure loss with employment of one fan motor and optimizing casing and distributor shape.



Point 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.



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.



OUTDOOR UNIT

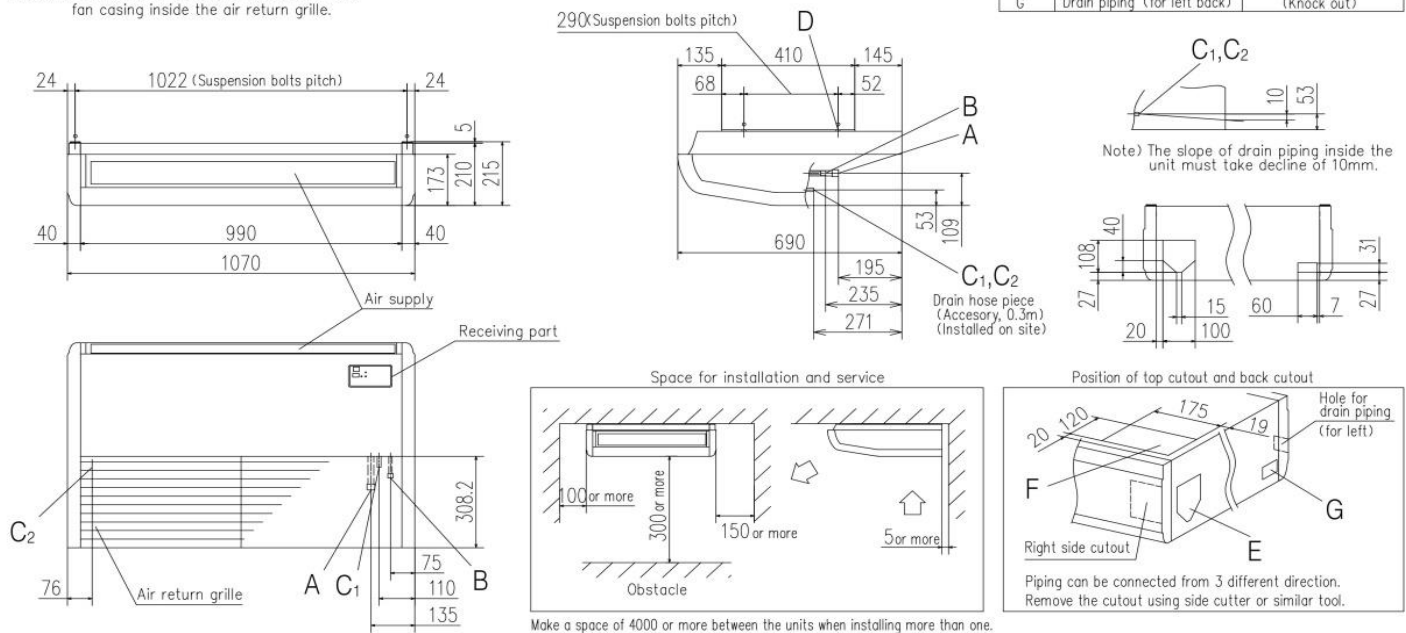
SRC • FDC	Hyper Inverter			Micro Inverter		
	40~60ZSX	71VNX	100~140VN(S)X	100~140VN(S)A	200VSA	250VSA
model						
Chargeless	15m	30m		30m		
Height x Width x Depth (mm)	640 x 800(+71) x 290	750 x 880(+88) x 340	1,300 x 970 x 370	845 x 970 x 370	1,300 x 970 x 370	1,505 x 970 x 370

FDC	Standard Inverter		
	71VNP	90VNP1	100VNP
model			
Chargeless	15m		
Height x Width x Depth (mm)	640 x 800(+71) x 290	750 x 880(+88) x 340	845 x 970 x 370

DIMENSIONS (Unit:mm)

Models FDE40VG, 50VG

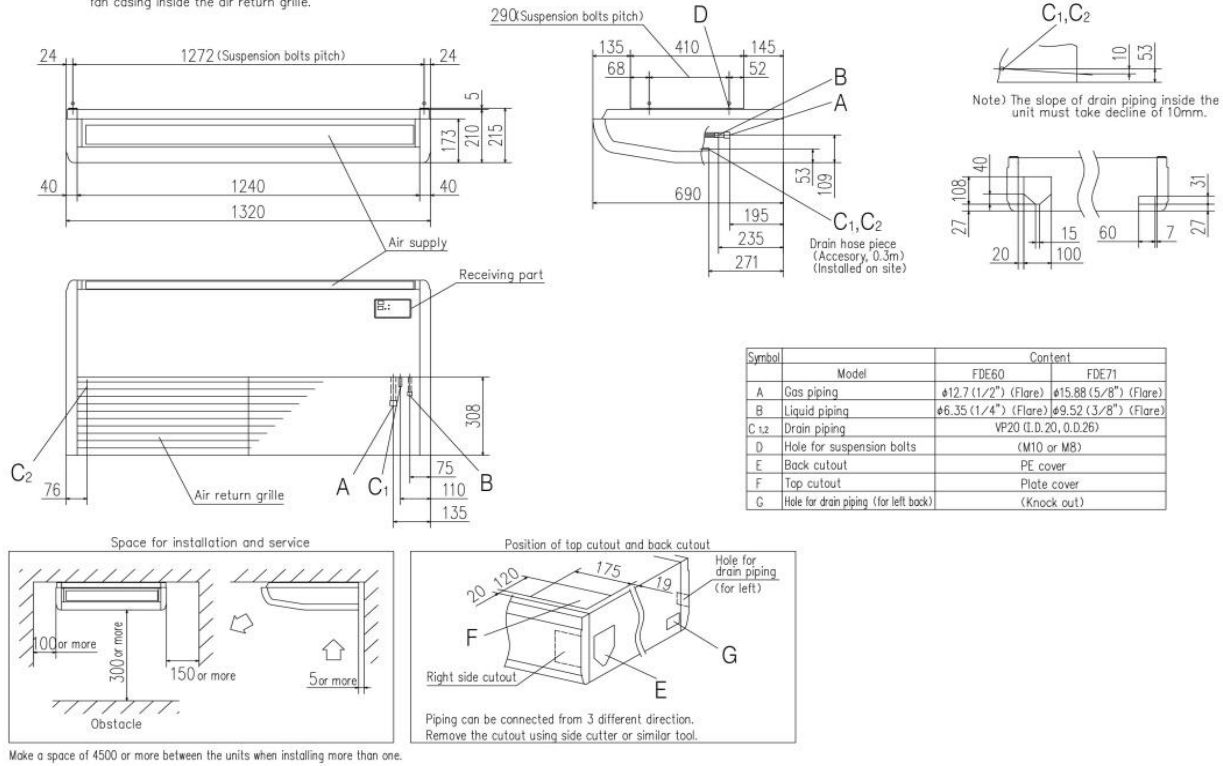
Note (1) The model name label is attached on the fan casing inside the air return grille.



DIMENSIONS (Unit:mm)

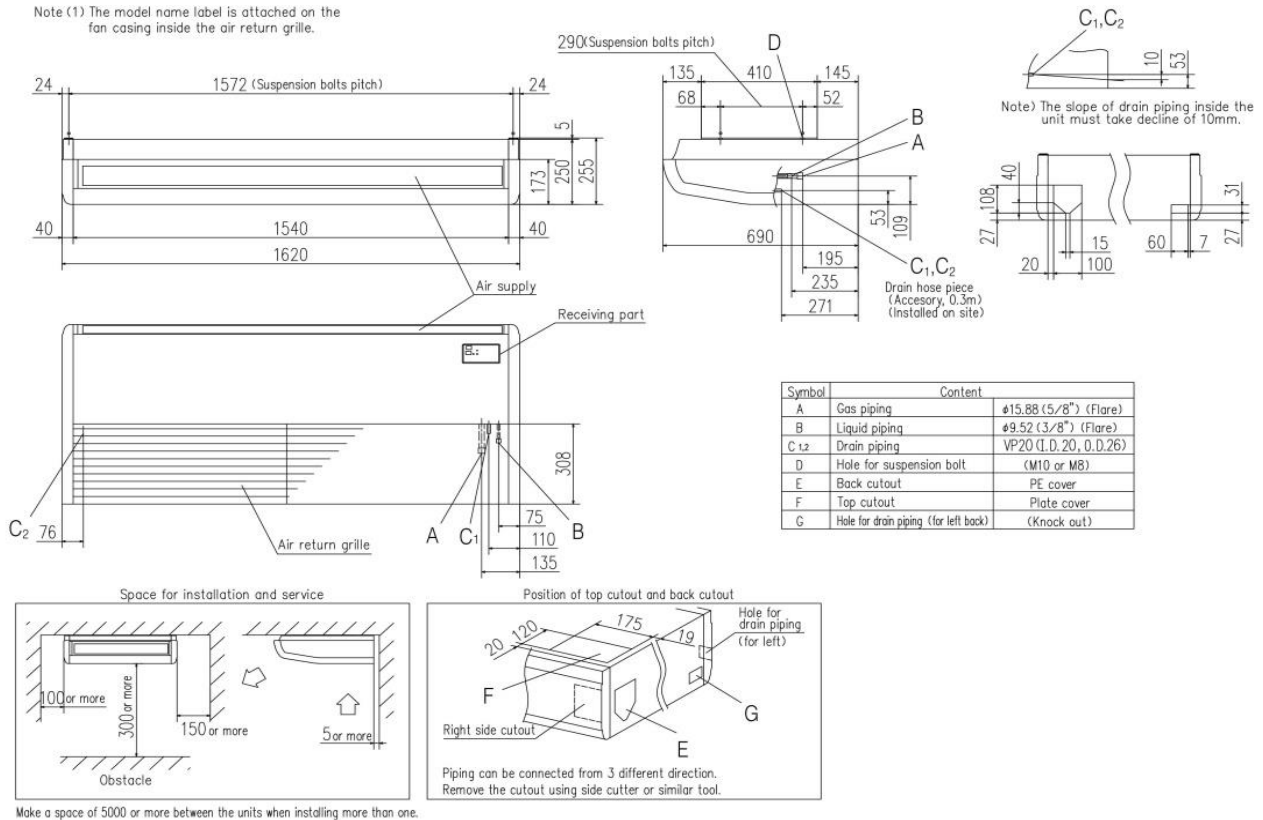
Models FDE60VG, 71VG

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



Models FDE100VG, 125VG, 140VG

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



SPECIFICATIONS

		<i>Hyper Inverter</i>				
Set model name		FDE40ZSXVG	FDE50ZSXVG	FDE60ZSXVG	FDE71VNXVG	FDE100VNXVG
Indoor unit		FDE40VG	FDE50VG	FDE60VG	FDE71VG	FDE100VG
Outdoor unit		SRC40ZSX-S	SRC50ZSX-S	SRC60ZSX-S	FDC71VNX	FDC100VNX
Power source		1 Phase 220-240V, 50Hz / 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	1.52 / 1.46	1.75 / 1.86	2.11 / 2.11	2.55 / 2.68
EER/COP		Cooling/Heating 3.92 / 4.09	3.29 / 3.70	3.20 / 3.60	3.36 / 3.79	3.92 / 4.18
Inrush current		A 5	5	5	5	5
Max. current		12	15	15	17	24
Sound power level*1	Indoor	Cooling/Heating	dB(A)	60 / 60	60 / 60	64 / 64
	Outdoor	Cooling/Heating		63 / 63	65 / 64	70 / 70
Sound pressure level*1	Indoor	Cooling (P-Hi/Hi/Me/Lo)		46 / 38 / 36 / 31	47 / 41 / 37 / 32	48 / 43 / 38 / 34
	Indoor	Heating (P-Hi/Hi/Me/Lo)		46 / 38 / 36 / 31	47 / 41 / 37 / 32	48 / 43 / 38 / 34
	Outdoor	Cooling/Heating		50 / 49	52 / 52	48 / 50
	Outdoor	Cooling/Heating		13 / 10 / 9 / 7	13 / 10 / 9 / 7	32 / 26 / 21 / 16.5
Air flow	Indoor	Cooling (P-Hi/Hi/Me/Lo)	m³/min	13 / 10 / 9 / 7	20 / 16 / 13 / 10	32 / 26 / 21 / 16.5
	Indoor	Heating (P-Hi/Hi/Me/Lo)		13 / 10 / 9 / 7	20 / 16 / 13 / 10	32 / 26 / 21 / 16.5
	Outdoor	Cooling/Heating		36 / 33	41.5 / 39	100 / 100
	Outdoor	Cooling/Heating		210 x 1,070 x 690	210 x 1,320 x 690	250 x 1,620 x 690
Exterior dimensions		HeightxWidthxDepth	mm	640 x 800(+71) x 290		
				750 x 880(+88) x 340		
Net weight			kg	28		
				45		
Ref.piping size		Liquid/Gas	ømm	6.35(1/4") / 12.7(1/2")		
Refrigerant line (one way) length			m	Max.30		
Vertical height differences		Outdoor is higher/lower	m	Max.20 / Max.20		
Outdoor operating temperature range		Cooling	°C	-15~46**2		
		Heating		-20~24		
Air filter, Q'ty				Pocket Plastic net x2(Washable)		
Remote control (option)				wired:RC-EX3A, RC-E5, RCH-E3 wireless:RCN-E-E3		

		<i>Hyper Inverter</i>				
Set model name		FDE125VNXVG	FDE140VNXVG	FDE100VSXVG	FDE125VSXVG	FDE140VSXVG
Indoor unit		FDE125VG	FDE140VG	FDE100VG	FDE125VG	FDE140VG
Outdoor unit		FDC125VNX	FDC140VNX	FDC100VSX	FDC125VSX	FDC140VSX
Power source		1 Phase 220-240V, 50Hz / 220V, 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 3.50 / 3.77	4.40 / 4.69	2.55 / 2.68	3.50 / 3.77	4.40 / 4.69
EER/COP		Cooling/Heating 3.57 / 3.71	3.18 / 3.41	3.92 / 4.18	3.57 / 3.71	3.18 / 3.41
Inrush current		A 5	5	5	5	5
Max. current		26	26	15	15	15
Sound power level*1	Indoor	Cooling/Heating	dB(A)	64 / 64	64 / 64	65 / 65
	Outdoor	Cooling/Heating		70 / 70	70 / 70	72 / 72
Sound pressure level*1	Indoor	Cooling (P-Hi/Hi/Me/Lo)		48 / 45 / 40 / 35	48 / 43 / 38 / 34	49 / 45 / 40 / 36
	Indoor	Heating (P-Hi/Hi/Me/Lo)		48 / 45 / 40 / 35	48 / 43 / 38 / 34	49 / 45 / 40 / 36
	Outdoor	Cooling/Heating		48 / 50	48 / 50	49 / 52
	Outdoor	Cooling/Heating		32 / 29 / 23 / 17	32 / 26 / 21 / 16.5	34 / 29 / 23 / 18
Air flow	Indoor	Cooling (P-Hi/Hi/Me/Lo)	m³/min	32 / 29 / 23 / 17	32 / 26 / 21 / 16.5	34 / 29 / 23 / 18
	Indoor	Heating (P-Hi/Hi/Me/Lo)		32 / 29 / 23 / 17	32 / 26 / 21 / 16.5	34 / 29 / 23 / 18
	Outdoor	Cooling/Heating		100 / 100	100 / 100	100 / 100
	Outdoor	Cooling/Heating		250 x 1,620 x 690	250 x 1,620 x 690	300 x 1,620 x 690
Exterior dimensions		HeightxWidthxDepth	mm	1,300 x 970 x 370		
Net weight			kg	43		
				105		
Ref.piping size		Liquid/Gas	ømm	9.52(3/8") / 15.88(5/8")		
Refrigerant line (one way) length			m	Max.100		
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-EX3A, RC-E5, RCH-E3 wireless:RCN-E-E3		

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 : 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.

SPECIFICATIONS

The values are for simultaneous Multi operation.

Set model name			Hyper Inverter				
			FDE71VNXPGV	FDE100VNXPGV	FDE125VNXPGV	FDE140VNXPGV	FDE140VNXTVG
Indoor unit			Twin		Triple		
Outdoor unit			FDE40VG x 2	FDE50VG x 2	FDE60VG x 2	FDE71VG x 2	FDE50VG x 3
Power source			FDC71VNX	FDC100VNX	FDC125VNX	FDC140VNX	FDC140VNX
Nominal cooling capacity (Min~Max)			1 Phase 220-240V, 50Hz / 220V, 60Hz				
Nominal heating capacity (Min~Max)							
Power consumption							
EER/COP							
Inrush current							
Max. current							
Sound power level* ¹							
Sound pressure level* ¹							
Air flow							
Exterior dimensions							
Net weight							
Ref.piping size							
Refrigerant line (one way) length							
Vertical height differences							
Outdoor operating temperature range							
Air filter, Q'ty							
Remote control (option)							

The values are for simultaneous Multi operation.

Set model name		Hyper Inverter			
		FDE100VSXPVG	FDE125VSXPVG	FDE140VSXPVG	FDE140VSXTVG
		Twin			Triple
Indoor unit		FDE50VG x 2	FDE60VG x 2	FDE71VG x 2	FDE50VG x 3
Outdoor unit		FDC100VSX	FDC125VSX	FDC140VSX	FDC140VSX
Power source		3 Phase 380-415V, 50Hz / 380V, 60Hz			
Nominal cooling capacity (Min~Max)		kW	10.0 (4.0 ~ 11.2)	12.5 (5.0 ~ 14.0)	14.0 (5.0 ~ 16.0)
Nominal heating capacity (Min~Max)		kW	11.2 (4.0 ~ 16.0)	14.0 (4.0 ~ 18.0)	16.0 (4.0 ~ 20.0)
Power consumption	Cooling/Heating	kW	3.00 / 3.39	3.97 / 3.70	4.67 / 4.58
EER/COP	Cooling/Heating		3.33 / 3.30	3.15 / 3.78	3.00 / 3.49
Inrush current	A		5	5	5
Max. current			15	15	15
Sound power level* ¹	Indoor* ²	Cooling/Heating	60 / 60	60 / 60	60 / 60
	Outdoor	Cooling/Heating	70 / 70	70 / 70	72 / 72
Sound pressure level* ¹	Indoor* ²	Cooling (P-Hi/Hi/Me/Lo)	46 / 38 / 36 / 31	47 / 41 / 37 / 32	47 / 41 / 37 / 32
		Heating (P-Hi/Hi/Me/Lo)	46 / 38 / 36 / 31	47 / 41 / 37 / 32	47 / 41 / 37 / 32
	Outdoor	Cooling/Heating	48 / 50	48 / 50	49 / 52
Air flow	Indoor* ²	Cooling (P-Hi/Hi/Me/Lo)	13 / 10 / 9 / 7	20 / 16 / 13 / 10	20 / 16 / 13 / 10
		Heating (P-Hi/Hi/Me/Lo)	13 / 10 / 9 / 7	20 / 16 / 13 / 10	20 / 16 / 13 / 10
	Outdoor	Cooling/Heating	100 / 100	100 / 100	100 / 100
Exterior dimensions	Indoor	HeightxWidthxDepth	210 x 1,070 x 690	210 x 1,320 x 690	210 x 1,070 x 690
	Outdoor			1,300 x 970 x 370	
Net weight	Indoor	kg	28	33	28
	Outdoor		105		
Ref.piping size	Liquid/Gas	ømm	9.52(3/8") / 15.88(5/8")		
Refrigerant line (one way) length		m	Max.100		
Vertical height differences		Outdoor is higher/lower	Max.30 / Max.15		
Outdoor operating temperature range	Cooling	°C	-15~43* ³		
	Heating		-20~20		
Air filter, Q'ty			Pocket plastic net x 2(Washable)		
Remote control (option)			wired:RC-EX3A, RC-E5, RCH-E3 wireless:RCN-E-E3		

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. (Multi system only)
*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.

SPECIFICATIONS

			Micro Inverter						
Set model name			FDE100VNAVg	FDE125VNAVg	FDE140VNAVg	FDE100VSAVg	FDE125VSAVg	FDE140VSAVg	
Indoor unit			FDE100VG	FDE125VG	FDE140VG	FDE100VG	FDE125VG	FDE140VG	
Outdoor unit			FDC100VNA	FDC125VNA	FDC140VNA	FDC100VSA	FDC125VSA	FDC140VSA	
Power source			1 Phase 220-240V, 50Hz / 220V, 60Hz			3 Phase 380-415V, 50Hz / 380V, 60Hz			
Nominal cooling capacity (Min~Max)			kW 10.0 (4.0 ~ 11.2)	12.5 (5.0 ~ 14.0)	13.6 (5.0 ~ 14.5)	10.0 (4.0 ~ 11.2)	12.5 (5.0 ~ 14.0)	13.6 (5.0 ~ 14.5)	
Nominal heating capacity (Min~Max)			kW 11.2 (4.0 ~ 12.5)	14.0 (4.0 ~ 16.0)	15.5 (4.0 ~ 16.5)	11.2 (4.0 ~ 12.5)	14.0 (4.0 ~ 16.0)	15.5 (4.0 ~ 16.5)	
Power consumption			kW 2.85 / 2.70	4.45 / 3.74	5.21 / 4.42	2.85 / 2.70	4.45 / 3.74	5.21 / 4.42	
EER/COP	Cooling/Heating		3.51 / 4.15	2.81 / 3.74	2.61 / 3.51	3.51 / 4.15	2.81 / 3.74	2.61 / 3.51	
Inrush current			A 5	5	5	5	5	5	
Max. current			A 24	24	24	15	15	15	
Sound power level* ¹	Indoor	Cooling/Heating	dB(A)	64 / 64	64 / 64	65 / 65	64 / 64	65 / 65	
	Outdoor	Cooling/Heating		70 / 70	71 / 71	73 / 73	70 / 70	73 / 73	
Sound pressure level* ¹	Indoor	Cooling (P-Hi/Hi/Me/Lo)		m³/min	48 / 43 / 38 / 34	48 / 45 / 40 / 35	49 / 45 / 40 / 36	48 / 43 / 38 / 34	48 / 45 / 40 / 35
	Indoor	Heating (P-Hi/Hi/Me/Lo)			48 / 43 / 38 / 34	48 / 45 / 40 / 35	49 / 45 / 40 / 36	48 / 43 / 38 / 34	48 / 45 / 40 / 35
Outdoor	Cooling/Heating	54 / 56			55 / 57	57 / 59	54 / 56	55 / 57	
Air flow	Indoor	Cooling (P-Hi/Hi/Me/Lo)			32 / 26 / 21 / 16.5	32 / 29 / 23 / 17	34 / 29 / 23 / 18	32 / 26 / 21 / 16.5	32 / 29 / 23 / 17
	Indoor	Heating (P-Hi/Hi/Me/Lo)	32 / 26 / 21 / 16.5		32 / 29 / 23 / 17	34 / 29 / 23 / 18	32 / 26 / 21 / 16.5	32 / 29 / 23 / 17	
			Outdoor		Cooling/Heating	75 / 73	75 / 73	75 / 73	75 / 73
Exterior dimensions	Indoor	HeightxWidthxDepth	mm	250 x 1,620 x 690					
	Outdoor			845 x 970 x 370					
Net weight	Indoor		kg	43					
	Outdoor			80		82			
Ref.piping size			ømm	9.52(3/8") / 15.88(5/8")					
Refrigerant line (one way) length			m	Max.50					
Vertical height differences			m	Max.50 / Max.15					
Outdoor operating temperature range	Cooling		°C	-15~50* ³					
	Heating			-20~20					
Air filter, Q'ty			Pocket Plastic net x2(Washable)						
Remote control (option)			wired:RC-EX3A, RC-E5, RCH-E3 wireless:RCN-E-E3						

The values are for simultaneous Multi operation.

			Micro Inverter						
Set model name			FDE100VNAPVG	FDE125VNAPVG	FDE140VNAPVG	FDE140VNATVG	FDE100VSAPVG	FDE125VSAPVG	
Indoor unit			Twin		Triple		Twin		
Outdoor unit			FDC100VNA	FDC125VNA	FDC140VNA	FDC140VNA	FDC100VSA	FDC125VSA	
Power source			1 Phase 220-240V, 50Hz / 220V, 60Hz				3 Phase 380-415V, 50Hz / 380V, 60Hz		
Nominal cooling capacity (Min~Max)			kW 10.0 (4.0 ~ 11.2)	12.5 (5.0 ~ 14.0)	13.6 (5.0 ~ 14.5)	13.6 (5.0 ~ 14.5)	10.0 (4.0 ~ 11.2)	12.5 (5.0 ~ 14.0)	
Nominal heating capacity (Min~Max)			kW 11.2 (4.0 ~ 12.5)	14.0 (4.0 ~ 16.0)	15.5 (4.0 ~ 16.5)	15.5 (4.0 ~ 16.5)	11.2 (4.0 ~ 12.5)	14.0 (4.0 ~ 16.0)	
Power consumption			Cooling/Heating kW 3.12 / 2.99	4.16 / 3.54	4.74 / 4.21	4.74 / 4.21	3.12 / 2.99	4.16 / 3.54	
EER/COP		Cooling/Heating	3.21 / 3.75	3.00 / 3.95	2.87 / 3.68	2.87 / 3.68	3.21 / 3.75	3.00 / 3.95	
Inrush current		A	5	5	5	5	5	5	
Max. current			24	24	24	24	15	15	
Sound power level*1	Indoor*2	Cooling/Heating	dB(A)	60 / 60	60 / 60	60 / 60	60 / 60	60 / 60	
	Outdoor	Cooling/Heating		70 / 70	71 / 71	73 / 73	73 / 73	70 / 70	71 / 71
Sound pressure level*1	Indoor*2	Cooling (P-Hi/Hi/Me/Lo)		46 / 38 / 36 / 31	47 / 41 / 37 / 32	47 / 41 / 37 / 32	46 / 38 / 36 / 31	46 / 38 / 36 / 31	47 / 41 / 37 / 32
	Indoor*2	Heating (P-Hi/Hi/Me/Lo)		46 / 38 / 36 / 31	47 / 41 / 37 / 32	47 / 41 / 37 / 32	46 / 38 / 36 / 31	46 / 38 / 36 / 31	47 / 41 / 37 / 32
Air flow	Outdoor	Cooling/Heating		54 / 56	55 / 57	57 / 59	57 / 59	54 / 56	55 / 57
	Indoor*2	Cooling (P-Hi/Hi/Me/Lo)		13 / 10 / 9 / 7	20 / 16 / 13 / 10	20 / 16 / 13 / 10	13 / 10 / 9 / 7	13 / 10 / 9 / 7	20 / 16 / 13 / 10
	Indoor*2	Heating (P-Hi/Hi/Me/Lo)	13 / 10 / 9 / 7	20 / 16 / 13 / 10	20 / 16 / 13 / 10	13 / 10 / 9 / 7	13 / 10 / 9 / 7	20 / 16 / 13 / 10	
Exterior dimensions	Indoor	HeightxWidthxDepth	mm	210 x 1,070 x 690	210 x 1,320 x 690		210 x 1,070 x 690		210 x 1,320 x 690
	Outdoor			845 x 970 x 370					
Net weight	Indoor		kg	28	33		28		33
	Outdoor			80					82
Ref.piping size	Liquid/Gas	ømm		9.52(3/8") / 15.88(5/8")					
Refrigerant line (one way) length		m		Max. 50					
Vertical height differences		m		Max.50 / Max.15					
Outdoor operating temperature range	Cooling	°C	-15~50*3						
	Heating		-20~20						
Air filter, Q'ty			Pocket plastic net x 2(Washable)						
Remote control (option)			wired:RC-EX3A, RC-E5, RCH-E3 wireless:RCN-E-E3						

SPECIFICATIONS

The values are for simultaneous Multi operation.

Set model name		Micro Inverter				
		FDE140VSAPVG	FDE200VSAPVG	FDE250VSAPVG	FDE140VSATVG	FDE200VSATVG
		Twin			Triple	
Indoor unit		FDE71VG x 2	FDE100VG x 2	FDE125VG x 2	FDE50VG x 3	FDE71VG x 3
Outdoor unit		FDC140VSA	FDC200VSA	FDC250VSA	FDC140VSA	FDC200VSA
Power source		3 Phase 380-415V, 50Hz / 380V, 60Hz				
Nominal cooling capacity (Min~Max)	kW	13.6 (5.0 ~ 14.5)	19.0 (5.2 ~ 22.4)	24.0 (6.9 ~ 28.0)	13.6 (5.0 ~ 14.5)	19.0 (5.2 ~ 22.4)
Nominal heating capacity (Min~Max)	kW	15.5 (4.0 ~ 16.5)	22.4 (3.3 ~ 25.0)	27.0 (5.5 ~ 31.5)	15.5 (4.0 ~ 16.5)	22.4 (3.3 ~ 25.0)
Power consumption	Cooling/Heating	4.74 / 4.21	6.34 / 6.10	8.52 / 7.54	4.74 / 4.21	6.33 / 5.94
EER/COP	Cooling/Heating	2.87 / 3.68	3.00 / 3.67	2.82 / 3.58	2.87 / 3.68	3.00 / 3.77
Inrush current		5	5	5	5	5
Max. current		15	20	21	15	20
Sound power level*1	Indoor*2	dB(A)	60 / 60	64 / 64	64 / 64	60 / 60
	Outdoor		73 / 73	72 / 74	73 / 75	73 / 73
Sound pressure level*1	Indoor*2		47 / 41 / 37 / 32	48 / 43 / 38 / 44	48 / 45 / 40 / 35	46 / 38 / 36 / 31
	Outdoor		47 / 41 / 37 / 32	48 / 43 / 38 / 44	48 / 45 / 40 / 35	46 / 38 / 36 / 31
Air flow	Indoor*2	m³/min	57 / 59	58 / 59	59 / 62	57 / 59
	Cooling (P-Hi/Hi/Me/Lo)		20 / 16 / 13 / 10	32 / 26 / 21 / 16.5	32 / 29 / 23 / 17	13 / 10 / 9 / 7
	Heating (P-Hi/Hi/Me/Lo)		20 / 16 / 13 / 10	32 / 26 / 21 / 16.5	32 / 29 / 23 / 17	13 / 10 / 9 / 7
	Cooling/Heating		75 / 73	135 / 135	143 / 151	75 / 73
Exterior dimensions	Indoor	HeightxWidthxDepth	210 x 1,320 x 690	250 x 1,620 x 690	210 x 1,070 x 690	210 x 1,320 x 690
	Outdoor		845 x 970 x 370	1,300 x 970 x 370	845 x 970 x 370	1,300 x 970 x 370
Net weight	Indoor	kg	33	43	28	33
	Outdoor		82	115	82	115
Ref.piping size	Liquid/Gas	ømm	9.52(3/8") / 15.88(5/8")	9.52(3/8") / 22.22(7/8")	12.7(1/2") / 22.22(7/8")	9.52(3/8") / 15.88(5/8")
Refrigerant line (one way) length		m	Max.50	Max.70	Max.50	Max.70
Vertical height differences	Outdoor is higher/lower	m	Max.50 / Max.15	Max.30 / Max.15	Max.50 / Max.15	Max.30 / Max.15
Outdoor operating temperature range	Cooling	°C	-15~50*3			
	Heating		-20~20	-15~20	-20~20	-15~20
Air filter, Q'ty			Pocket plastic net x 2(Washable)			
Remote control (option)			wired:RC-EX3A, RC-E5, RCH-E3 wireless:RCN-E-E3			

The values are for simultaneous Multi operation.

Set model name		Micro Inverter	
		FDE200VSADVG	FDE250VSADVG
		Double Twin	
Indoor unit		FDE50VG x 4	FDE60VG x 4
Outdoor unit		FDC200VSA	FDC250VSA
Power source		3 Phase 380-415V, 50Hz / 380V, 60Hz	
Nominal cooling capacity (Min~Max)	kW	19.0 (5.2 ~ 22.4)	24.0 (6.9 ~ 28.0)
Nominal heating capacity (Min~Max)	kW	22.4 (3.3 ~ 25.0)	27.0 (5.5 ~ 31.5)
Power consumption	Cooling/Heating	6.90 / 7.10	8.00 / 7.02
EER/COP	Cooling/Heating	2.75 / 3.15	3.00 / 3.85
Inrush current		5	5
Max. current		20	21
Sound power level*1	Indoor*2	dB(A)	60 / 60
	Outdoor		72 / 74
Sound pressure level*1	Indoor*2		46 / 38 / 36 / 31
	Outdoor		46 / 38 / 36 / 31
Air flow	Indoor*2	m³/min	58 / 59
	Cooling (P-Hi/Hi/Me/Lo)		13 / 10 / 9 / 7
	Heating (P-Hi/Hi/Me/Lo)		13 / 10 / 9 / 7
	Cooling/Heating		135 / 135
Exterior dimensions	Indoor	HeightxWidthxDepth	210 x 1,070 x 690
	Outdoor		1,300 x 970 x 370
Net weight	Indoor	kg	28
	Outdoor		115
Ref.piping size	Liquid/Gas	ømm	9.52(3/8") / 22.22(7/8")
Refrigerant line (one way) length		m	Max.70
Vertical height differences	Outdoor is higher/lower	m	Max.30 / Max.15
Outdoor operating temperature range	Cooling	°C	-15~50*3
	Heating		-15~20
Air filter, Q'ty			Pocket plastic net x 2(Washable)
Remote control (option)			wired:RC-EX3A, RC-E5, RCH-E3 wireless:RCN-E-E3

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. (Multi system only)
*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.

SPECIFICATIONS

		Standard Inverter		
Set model name		FDE71VNPVG	FDE90VNP1VG	FDE100VNP1VG
Indoor unit		FDE71VG	FDE100VG	FDE100VG
Outdoor unit		FDC71VNP	FDC90VNP1	FDC100VNP
Power source		1 Phase 220-240V, 50Hz / 220V, 60Hz		
Nominal cooling capacity (Min~Max)		kW 7.1 (1.4 ~ 7.1)	9.0 (1.9 ~ 9.0)	10.0 (2.8 ~ 11.2)
Nominal heating capacity (Min~Max)		kW 7.1 (1.0 ~ 7.1)	9.0 (1.5 ~ 9.0)	11.2 (2.5 ~ 12.5)
Power consumption		Cooling/Heating kW 2.50 / 1.96	2.75 / 2.22	2.66 / 2.94
EER/COP		Cooling/Heating 2.84 / 3.62	3.27 / 4.05	3.76 / 3.81
Inrush current		A 5	5	5
Max. current		A 14.5	18.0	21.0
Sound power level*1	Indoor	Cooling/Heating 60 / 60	64 / 64	64 / 64
	Outdoor	Cooling/Heating 67 / 67	69 / 69	70 / 70
Sound pressure level*1	Indoor	Cooling (P-Hi/Hi/Me/Lo) dB(A) 47 / 41 / 37 / 32	48 / 43 / 38 / 34	48 / 43 / 38 / 34
		Heating (P-Hi/Hi/Me/Lo) 47 / 41 / 37 / 32	48 / 43 / 38 / 34	48 / 43 / 38 / 34
	Outdoor	Cooling/Heating 54 / 54	57 / 55	57 / 61
Air flow	Indoor	Cooling (P-Hi/Hi/Me/Lo) m³/min 20 / 16 / 13 / 10	32 / 26 / 21 / 16.5	32 / 26 / 21 / 16.5
		Heating (P-Hi/Hi/Me/Lo) 20 / 16 / 13 / 10	32 / 26 / 21 / 16.5	32 / 26 / 21 / 16.5
	Outdoor	Cooling/Heating 36 / 36	63 / 49.5	75 / 79
Exterior dimensions	Indoor	HeightxWidthxDepth mm 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	845 x 970 x 370
Net weight	Indoor	kg 33	43	
	Outdoor	45	57	70
Ref.piping size	Liquid/Gas	ømm 6.35(1/4") / 12.7(1/2")	6.35(1/4") / 15.88(5/8")	9.52(3/8") / 15.88(5/8")
Refrigerant line (one way) length		m Max.30		
Vertical height differences		m Max.20 / Max.20		
Outdoor operating temperature range	Cooling	°C -15~46*3		
	Heating	-15~20		
Air filter, Q'ty		Pocket Plastic net x2(Washable)		
Remote control (option)		wired:RC-EX3A, RC-E5, RCH-E3 wireless:RCN-E-E3		