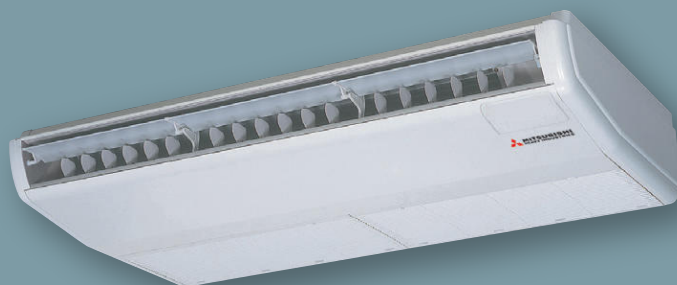


FDE

Indoor Unit Ceiling Suspended



New

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



Energy Saving



Home Leave



Hi Power



Silent Operation



Flap Control



Favourite Setting



Remote control (option)

Wired



RC-EX3A



RC-E5



RCH-E3

Wireless

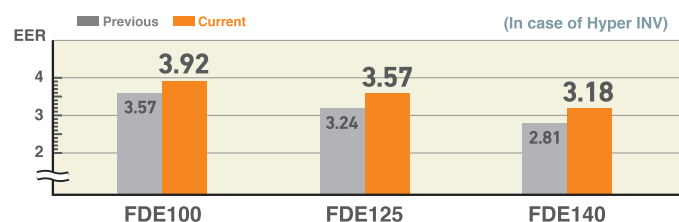


RCN-E-E3

*Not all functions available with all remote control options.

High Efficiency

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



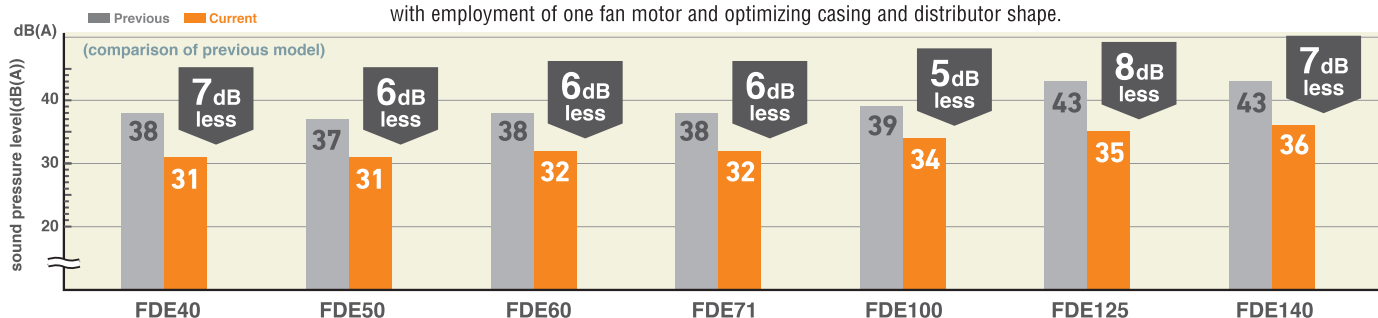
Reduction of Weight

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

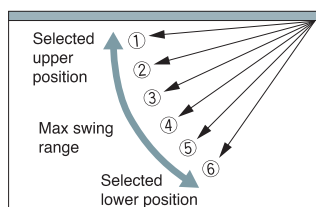
	Previous	Current	
60-71VH	37	33	4kg less!!
100-125-140VH	49	43	6kg less!!

Quieter 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.



Flap Control System



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

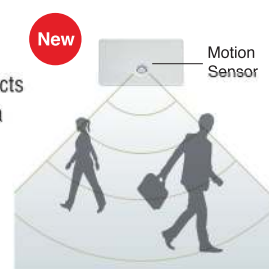
*The wireless remote control is not applicable to the flap control system.

Motion Sensor (Option)

Motion sensor is equipped in the panel and detects the presence/absence and activity of humans in a room to improve the comfort and energy saving performance of the unit.



LB-E



Improved Installation Workability

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.

Increased freedom of a piping layout



OUTDOOR UNIT

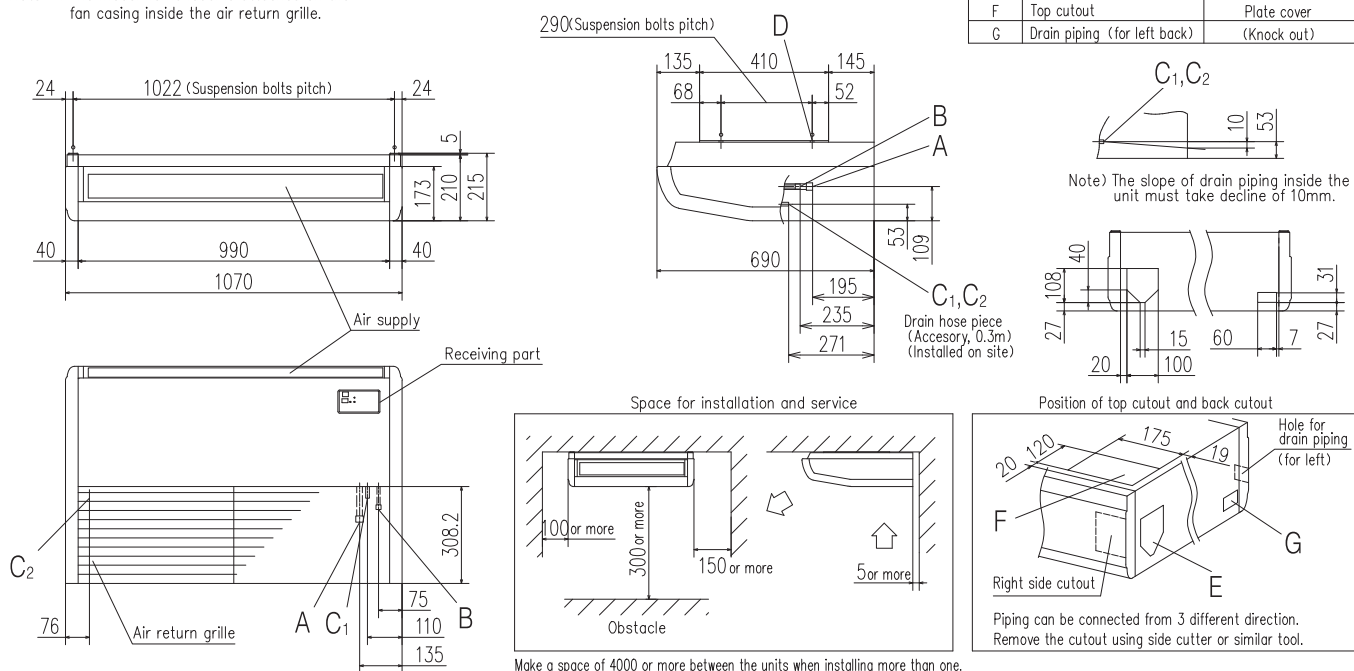
Hyper Inverter				
SRC • FDC		40~60ZSX-W1	71VNX-W	—
		40~60ZSX-S	71VNX	100~140VN(S)X
model			New	
Chargeless		15m	30m	
Height x Width x Depth (mm)		640 x 800(+71) x 290	750 x 880(+88) x 340	1,300 x 970 x 370

Micro Inverter				Standard Inverter		
FDC		100~140VN(S)A-W	—	71VNP-W	90~100VNP-W	—
		100~140VN(S)A	200VSA	71VNP	90VNP1	100VNP
model		New		New	New	
Chargeless		30m			15m	
Height x Width x Depth (mm)		845 x 970 x 370	1,300 x 970 x 370	1,505 x 970 x 370	640 x 800(+71) x 290	750 x 880(+88) x 340

DIMENSIONS (Unit:mm) - FDE -

Models FDE40VH, 50VH

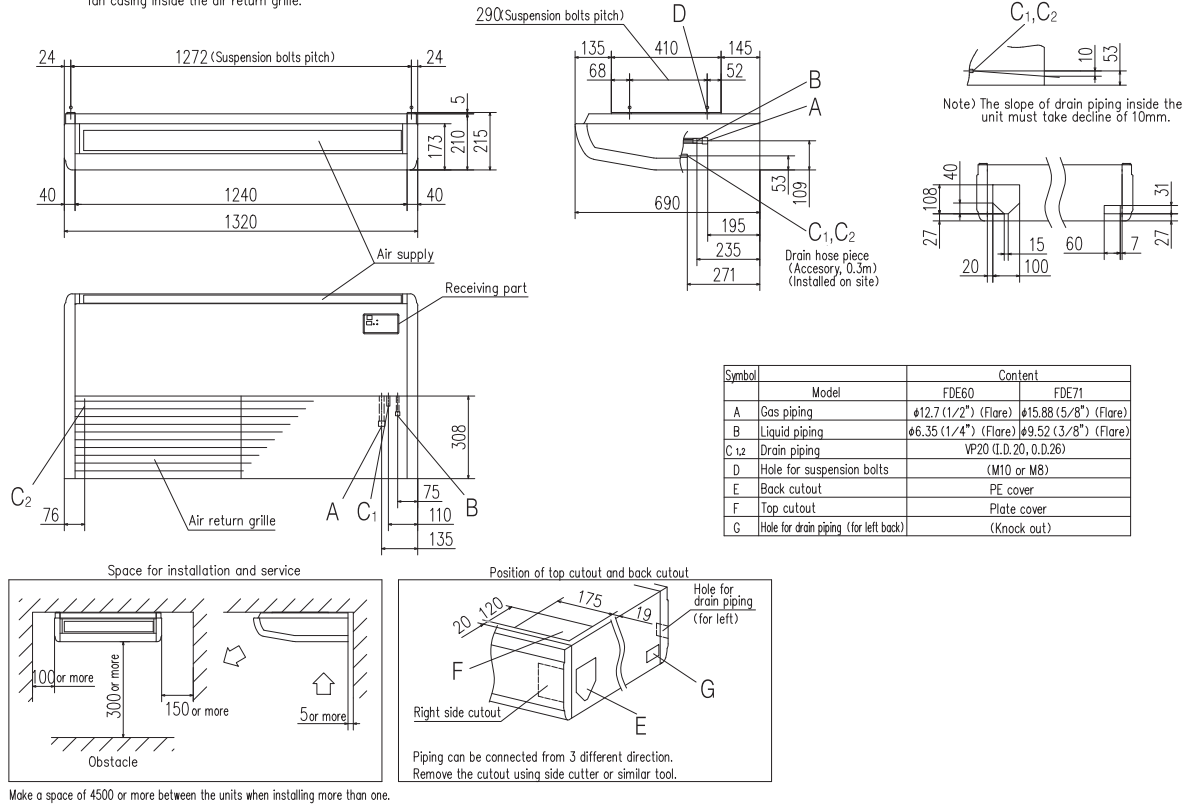
Note (1) The model name label is attached on the fan casing inside the air return grille.



DIMENSIONS (Unit:mm) - FDE -

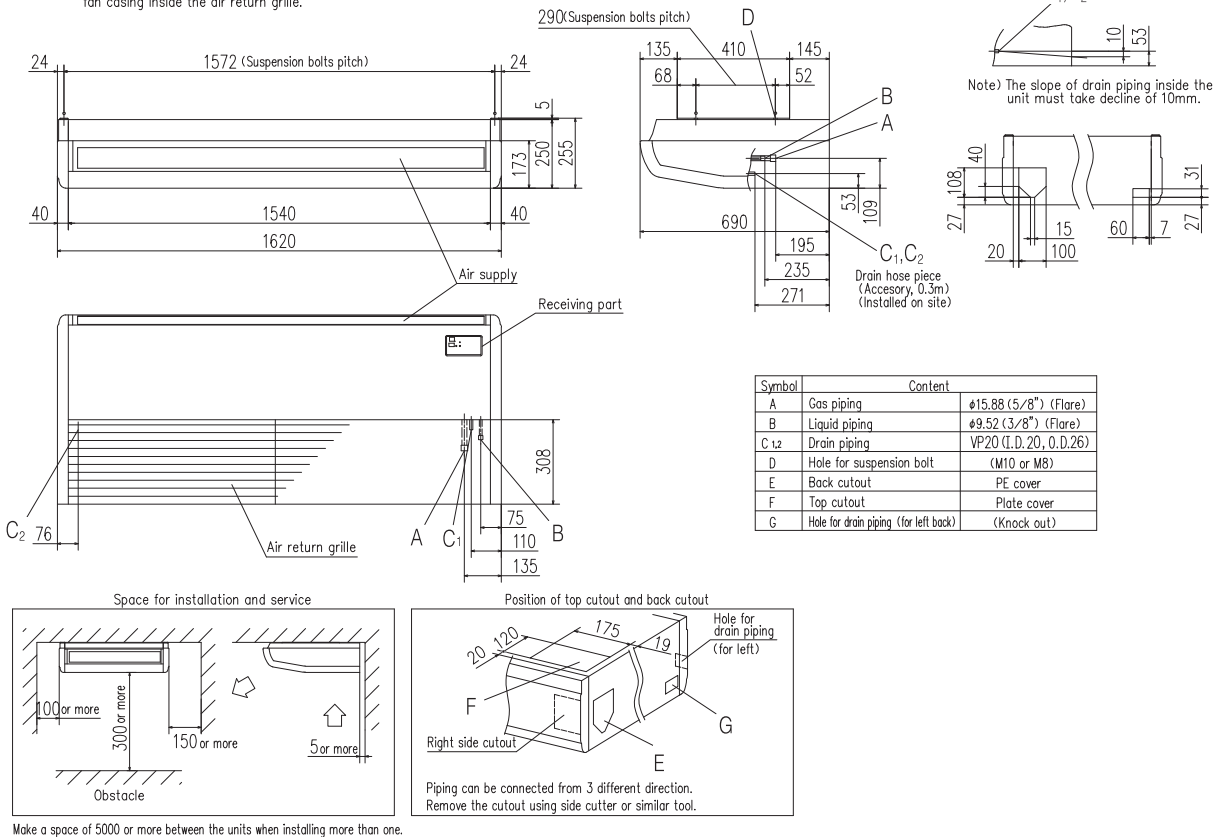
Models FDE60VH, 71VH

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



Models FDE100VH, 125VH, 140VH

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



SPECIFICATIONS - FDE -

The values are for simultaneous Multi operation.(except single use)

R32			HyperInverter				
Set model name			FDE40ZSXW1VH	FDE50ZSXW1VH	FDE60ZSXW1VH	FDE71VNXWVH	FDE71VNXWPVH
							Twin
Indoor unit			FDE40VH	FDE50VH	FDE60VH	FDE71VH	FDE40VH x 2
Outdoor unit			SRC40ZSX-W1	SRC50ZSX-W1	SRC60ZSX-W1	FDC71VNX-W	FDC71VNX-W
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)	7.1 (3.2 ~ 8.0)
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)	8.0 (3.6 ~ 9.0)
Power consumption	Cooling/Heating	kW	1.02 / 1.10	1.43 / 1.46	1.51 / 1.86	1.87 / 1.87	1.76 / 2.10
EER/COP	Cooling/Heating		3.92 / 4.09	3.49 / 3.70	3.71 / 3.60	3.80 / 4.28	4.03 / 3.81
Inrush current		A	5	5	5	5	5
Max. current			15	15	15	19.1	19.1
Sound power level*1	Indoor	Cooling/Heating	dB(A)	60 / 60	60 / 60	60 / 60	60 / 60
	Outdoor	Cooling/Heating		63 / 62	63 / 62	65 / 65	66 / 66
Sound pressure level*1	Indoor	Cooling (P-Hi/Hi/Me/Lo)		46 / 38 / 36 / 31	46 / 38 / 36 / 31	47 / 41 / 37 / 32	46 / 38 / 36 / 31
		Heating (P-Hi/Hi/Me/Lo)		46 / 38 / 36 / 31	46 / 38 / 36 / 31	47 / 41 / 37 / 32	46 / 38 / 36 / 31
	Outdoor	Cooling/Heating		52 / 50	52 / 50	53 / 54	51 / 51
Air flow	Indoor	Cooling (P-Hi/Hi/Me/Lo)	m³/min	13 / 10 / 9 / 7	13 / 10 / 9 / 7	20 / 16 / 13 / 10	20 / 16 / 13 / 10
		Heating (P-Hi/Hi/Me/Lo)		13 / 10 / 9 / 7	13 / 10 / 9 / 7	20 / 16 / 13 / 10	20 / 16 / 13 / 10
	Outdoor	Cooling/Heating		39 / 33	39 / 33	41.5 / 39	60 / 50
Exterior dimensions	Indoor	HeightxWidthxDepth	mm	210 x 1,070 x 690		210 x 1,320 x 690	
	Outdoor			640 x 800(+71) x 290		750 x 880(+88) x 340	
Net weight	Indoor		kg	28		33	
	Outdoor			45		60	
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
Vertical height differences	Outdoor is higher/lower	m	Max.20 / Max.20				Max.30 / Max.15
Outdoor operating temperature range	Cooling	°C	-15~46*2				-15~50*2
	Heating		-20~24				-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				

R410A			HyperInverter		
Set model name			FDE40ZSXVH	FDE50ZSXVH	FDE60ZSXVH
Indoor unit			FDE40VH	FDE50VH	FDE60VH
Outdoor unit			SRC40ZSX-S	SRC50ZSX-S	SRC60ZSX-S
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)
Nominal heating capacity (Min~Max)		kW	4.5 (0.6 ~ 5.4)	5.4 (0.6 ~ 6.3)	6.7 (0.6 ~ 7.1)
Power consumption	Cooling/Heating	kW	1.02 / 1.10	1.52 / 1.46	1.75 / 1.86
EER/COP	Cooling/Heating		3.92 / 4.09	3.29 / 3.70	3.20 / 3.60
Inrush current		A	5	5	5
Max. current			12	15	15
Sound power level*1	Indoor	Cooling/Heating	60 / 60	60 / 60	60 / 60
	Outdoor	Cooling/Heating	63 / 63	63 / 63	65 / 64
Sound pressure level*1	Indoor	Cooling (P-Hi/Hi/Me/Lo)	46 / 38 / 36 / 31	46 / 38 / 36 / 31	47 / 41 / 37 / 32
		Heating (P-Hi/Hi/Me/Lo)	46 / 38 / 36 / 31	46 / 38 / 36 / 31	47 / 41 / 37 / 32
Air flow	Outdoor	Cooling/Heating	50 / 49	50 / 49	52 / 52
		Cooling (P-Hi/Hi/Me/Lo)	13 / 10 / 9 / 7	13 / 10 / 9 / 7	20 / 16 / 13 / 10
	Indoor	Heating (P-Hi/Hi/Me/Lo)	13 / 10 / 9 / 7	13 / 10 / 9 / 7	20 / 16 / 13 / 10
		Cooling/Heating	36 / 33	40 / 33	41.5 / 39
Exterior dimensions	Indoor	HeightxWidthxDepth	210 x 1,070 x 690		210 x 1,320 x 690
	Outdoor		640 x 800(+71) x 290		
Net weight	Indoor		28		33
	Outdoor		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		

NOTES:

The data are measured under the following conditions(R410A : ISO-T1, R32 : ISO-T1, H1).

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 - FDE -

R410A				HyperInverter			
Set model name				FDE71VNXVH		FDE100VNXVH	
Indoor unit				FDE71VH		FDE100VH	
Outdoor unit				FDC71VNX		FDC100VNX	
Power source				1 Phase 220-240V, 50Hz / 220V, 60Hz			
Nominal cooling capacity (Min~Max)			kW	7.1 (3.2 ~ 8.0)		10.0 (4.0 ~ 11.2)	
Nominal heating capacity (Min~Max)			kW	8.0 (3.6 ~ 9.0)		11.2 (4.0 ~ 12.5)	
Power consumption		Cooling/Heating	kW	2.11 / 2.11		2.55 / 2.68	
EER/COP		Cooling/Heating		3.36 / 3.79		3.92 / 4.18	
Inrush current		A		5		5	
Max. current				17		24	
Sound power level*1	Indoor	Cooling/Heating	dB(A)	60 / 60		64 / 64	
	Outdoor	Cooling/Heating		66 / 66		70 / 70	
Sound pressure level*1	Indoor	Cooling (P-Hi/Hi/Me/Lo)		47 / 41 / 37 / 32		48 / 43 / 38 / 34	
		Heating (P-Hi/Hi/Me/Lo)		47 / 41 / 37 / 32		48 / 43 / 38 / 34	
	Outdoor	Cooling/Heating		51 / 48		48 / 50	
Air flow	Indoor	Cooling (P-Hi/Hi/Me/Lo)		m³/min	20 / 16 / 13 / 10		32 / 26 / 21 / 16.5
		Heating (P-Hi/Hi/Me/Lo)	20 / 16 / 13 / 10		32 / 26 / 21 / 16.5		
	Outdoor	Cooling/Heating	60 / 50		100 / 100		
Exterior dimensions	Indoor	HeightxWidthxDepth	mm	210 x 1,320 x 690		250 x 1,620 x 690	
	Outdoor			750 x 880(+88) x 340		1,300 x 970 x 370	
Net weight	Indoor		kg	33		43	
	Outdoor			60		105	
Ref.piping size		Liquid/Gas	ømm	9.52(3/8") / 15.88(5/8")			
Refrigerant line (one way) length			m	Max.50		Max.100	
Vertical height differences		Outdoor is higher/lower	m	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-EX3A, RC-E5, RCH-E3 wireless:RCN-E-E3			

R410A				HyperInverter									
Set model name				FDE125VNXVH		FDE140VNXVH		FDE100VSXVH		FDE125VSXVH		FDE140VSXVH	
Indoor unit				FDE125VH		FDE140VH		FDE100VH		FDE125VH		FDE140VH	
Outdoor unit				FDC125VNX		FDC140VNX		FDC100VSX		FDC125VSX		FDC140VSX	
Power source				1 Phase 220-240V, 50Hz / 220V, 60Hz				3 Phase 380-415V, 50Hz / 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	3.50 / 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				5		5		5		5		5	
Max. current				26		26		15		15		15	
Sound power level*1	Indoor	Cooling/Heating	dB(A)	64 / 64		65 / 65		64 / 64		64 / 64		65 / 65	
	Outdoor	Cooling/Heating		70 / 70		72 / 72		70 / 70		70 / 70		72 / 72	
Sound pressure level*1	Indoor	Cooling (P-Hi/Hi/Me/Lo)	dB(A)	48 / 45 / 40 / 35		49 / 45 / 40 / 36		48 / 43 / 38 / 34		48 / 45 / 40 / 35		49 / 45 / 40 / 36	
		Heating (P-Hi/Hi/Me/Lo)		48 / 45 / 40 / 35		49 / 45 / 40 / 36		48 / 43 / 38 / 34		48 / 45 / 40 / 35		49 / 45 / 40 / 36	
	Outdoor	Cooling/Heating		48 / 50		49 / 52		48 / 50		48 / 50		49 / 52	
	Air flow	Indoor	Cooling (P-Hi/Hi/Me/Lo)	m³/min	32 / 29 / 23 / 17		34 / 29 / 23 / 18		32 / 26 / 21 / 16.5		32 / 29 / 23 / 17		34 / 29 / 23 / 18
		Heating (P-Hi/Hi/Me/Lo)	32 / 29 / 23 / 17		34 / 29 / 23 / 18		32 / 26 / 21 / 16.5		32 / 29 / 23 / 17		34 / 29 / 23 / 18		
Exterior dimensions	Outdoor	Cooling/Heating		100 / 100		100 / 100		100 / 100		100 / 100		100 / 100	
	Exterior dimensions	Indoor	HeightxWidthxDepth	mm	250 x 1,620 x 690								
Outdoor			1,300 x 970 x 370										
Net weight	Indoor		kg	43									
	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	m	Max.30 / Max.15									
Outdoor operating temperature range	Cooling	Heating	°C	-15~43*2									
				-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.

*3 : The values are for one indoor unit operation. (Multi system only)

The values are for simultaneous Multi operation.

R410A			HyperInverter				
Set model name			FDE71VNXPVH	FDE100VNXPVH	FDE125VNXPVH	FDE140VNXPVH	FDE140VNXTVH
			Twin				Triple
Indoor unit			FDE40VH x 2	FDE50VH x 2	FDE60VH x 2	FDE71VH x 2	FDE50VH x 3
Outdoor unit			FDC71VNX	FDC100VNX	FDC125VNX	FDC140VNX	FDC140VNX
Power source			1 Phase 220-240V, 50Hz / 220V, 60Hz				
Nominal cooling capacity (Min~Max)		kW	7.1 (3.2 ~ 8.0)	10.0 (4.0 ~ 11.2)	12.5 (5.0 ~ 14.0)	14.0 (5.0 ~ 16.0)	14.0 (5.0 ~ 16.0)
Nominal heating capacity (Min~Max)		kW	8.0 (3.6 ~ 9.0)	11.2 (4.0 ~ 12.5)	14.0 (4.0 ~ 17.0)	16.0 (4.0 ~ 18.0)	16.0 (4.0 ~ 18.0)
Power consumption	Cooling/Heating	kW	2.05 / 2.35	3.00 / 3.39	3.97 / 3.70	4.67 / 4.58	4.66 / 4.53
EER/COP	Cooling/Heating		3.46 / 3.40	3.33 / 3.30	3.15 / 3.78	3.00 / 3.49	3.00 / 3.53
Inrush current		A	5	5	5	5	5
Max. current			17	24	26	26	26
Sound power level*1	Indoor*3	Cooling/Heating	dB(A)	60 / 60	60 / 60	60 / 60	60 / 60
	Outdoor	Cooling/Heating		66 / 66	70 / 70	70 / 70	72 / 72
Sound pressure level*1	Indoor*3	Cooling (P-Hi/Hi/Me/Lo)	dB(A)	46 / 38 / 36 / 31	46 / 38 / 36 / 31	47 / 41 / 37 / 32	46 / 38 / 36 / 31
		Heating (P-Hi/Hi/Me/Lo)		46 / 38 / 36 / 31	46 / 38 / 36 / 31	47 / 41 / 37 / 32	46 / 38 / 36 / 31
Air flow	Outdoor	Cooling/Heating	m³/min	51 / 48	48 / 50	48 / 50	49 / 52
	Indoor*3	Cooling (P-Hi/Hi/Me/Lo)		13 / 10 / 9 / 7	13 / 10 / 9 / 7	20 / 16 / 13 / 10	13 / 10 / 9 / 7
		Heating (P-Hi/Hi/Me/Lo)		13 / 10 / 9 / 7	13 / 10 / 9 / 7	20 / 16 / 13 / 10	13 / 10 / 9 / 7
	Outdoor	Cooling/Heating		60 / 50	100 / 100	100 / 100	100 / 100
Exterior dimensions	Indoor	HeightxWidthxDepth	mm	210 x 1,070 x 690		210 x 1,320 x 690	
	Outdoor			750 x 880(+88) x 340		1,300 x 970 x 370	
Net weight	Indoor		kg	28		33	28
	Outdoor			60		105	
Ref.piping size		Liquid/Gas	ømm	9.52(3/8") / 15.88(5/8")			
Refrigerant line (one way) length			m	Max. 50		Max. 100	
Vertical height differences		Outdoor is higher/lower	m	Max.30 / Max.15			
Outdoor operating temperature range	Cooling	°C	-15~43*2				
	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				

The values are for simultaneous Multi operation.

R410A			HyperInverter				
Set model name			FDE100VSXPVH	FDE125VSXPVH	FDE140VSXPVH	FDE140VSXTVH	
			Twin			Triple	
Indoor unit			FDE50VH x 2	FDE60VH x 2	FDE71VH x 2	FDE50VH 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)	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)	16.0 (4.0 ~ 20.0)	
Power consumption	Cooling/Heating	kW	3.00 / 3.39	3.97 / 3.70	4.67 / 4.58	4.66 / 4.53	
EER/COP	Cooling/Heating		3.33 / 3.30	3.15 / 3.78	3.00 / 3.49	3.00 / 3.53	
Inrush current		A	5	5	5	5	
Max. current			15	15	15	15	
Sound power level*1	Indoor*3	Cooling/Heating	dB(A)	60 / 60	60 / 60	60 / 60	
	Outdoor			Cooling/Heating	70 / 70	70 / 70	72 / 72
Sound pressure level*1	Indoor*3	Cooling (P-Hi/Hi/Me/Lo)		46 / 38 / 36 / 31	47 / 41 / 37 / 32	47 / 41 / 37 / 32	46 / 38 / 36 / 31
		Heating (P-Hi/Hi/Me/Lo)		46 / 38 / 36 / 31	47 / 41 / 37 / 32	47 / 41 / 37 / 32	46 / 38 / 36 / 31
	Outdoor	Cooling/Heating	48 / 50	48 / 50	49 / 52	49 / 52	
Air flow	Indoor*3	Cooling (P-Hi/Hi/Me/Lo)	m³/min	13 / 10 / 9 / 7	20 / 16 / 13 / 10	20 / 16 / 13 / 10	13 / 10 / 9 / 7
		Heating (P-Hi/Hi/Me/Lo)		13 / 10 / 9 / 7	20 / 16 / 13 / 10	20 / 16 / 13 / 10	13 / 10 / 9 / 7
	Outdoor	Cooling/Heating		100 / 100	100 / 100	100 / 100	100 / 100
Exterior dimensions	Indoor	HeightxWidthxDepth	mm	210 x 1,070 x 690		210 x 1,320 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	m	Max.30 / Max.15				
Outdoor operating temperature range	Cooling	°C	-15~43*2				
	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 - FDE -

R32				Micro Inverter						
Set model name				FDE100VNAWVH		FDE125VNAWVH		FDE140VNAWVH		
Indoor unit				FDE100VH		FDE125VH		FDE140VH		
Outdoor unit				FDC100VNA-W		FDC125VNA-W		FDC140VNA-W		
Power source				1 Phase 220-240V, 50Hz / 220V, 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)		
Nominal heating capacity (Min~Max)			kW	11.2 (4.0 ~ 12.5)		14.0 (4.0 ~ 16.0)		15.5 (4.0 ~ 16.5)		
Power consumption		Cooling/Heating	kW	2.85 / 2.54		4.45 / 3.74		5.05/ 4.18		
EER/COP		Cooling/Heating		3.51 / 4.41		2.81 / 3.74		2.69 / 3.71		
Inrush current			A	5		5		5		
Max. current				24		24		24		
Sound power level*1	Indoor	Cooling/Heating	dB(A)	64 / 64		64 / 64		65 / 65		
	Outdoor	Cooling/Heating		69 / 70		71 / 71		73 / 73		
Sound pressure level*1	Indoor	Cooling (P-Hi/Hi/Me/Lo)		48 / 43 / 38 / 34		48 / 45 / 40 / 35		49 / 45 / 40 / 36		
		Heating (P-Hi/Hi/Me/Lo)		48 / 43 / 38 / 34		48 / 45 / 40 / 35		49 / 45 / 40 / 36		
	Outdoor	Cooling/Heating		54 / 55		54 / 56		56 / 58		
Air flow	Indoor	Cooling (P-Hi/Hi/Me/Lo)		m³/min	32 / 26 / 21 / 16.5		32 / 29 / 23 / 17		34 / 29 / 23 / 18	
		Heating (P-Hi/Hi/Me/Lo)	32 / 26 / 21 / 16.5		32 / 29 / 23 / 17		34 / 29 / 23 / 18			
	Outdoor	Cooling/Heating	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			77						
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		Outdoor is higher/lower	m	Max.50 / Max.15						
Outdoor operating temperature range	Cooling		°C	-15~50*2						
	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						

R32				Micro Inverter					
Set model name				FDE100VSAWVH		FDE125VSAWVH		FDE140VSAWVH	
Indoor unit				FDE100VH		FDE125VH		FDE140VH	
Outdoor unit				FDC100VSA-W		FDC125VSA-W		FDC140VSA-W	
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)		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)	
Power consumption		Cooling/Heating	kW	2.85 / 2.54		4.45 / 3.74		5.05 / 4.18	
EER/COP		Cooling/Heating		3.51 / 4.41		2.81 / 3.74		2.69 / 3.71	
Inrush current			A	5		5		5	
Max. current				15		15		15	
Sound power level* ¹	Indoor	Cooling/Heating	dB(A)	64 / 64		64 / 64		65 / 65	
	Outdoor	Cooling/Heating		69 / 70		71 / 71		72 / 73	
Sound pressure level* ¹	Indoor	Cooling (P-Hi/Hi/Me/Lo)		48 / 43 / 38 / 34		48 / 45 / 40 / 35		49 / 45 / 40 / 36	
		Heating (P-Hi/Hi/Me/Lo)		48 / 43 / 38 / 34		48 / 45 / 40 / 35		49 / 45 / 40 / 36	
	Outdoor	Cooling/Heating		54 / 55		54 / 56		56 / 58	
Air flow	Indoor	Cooling (P-Hi/Hi/Me/Lo)		m³/min	32 / 26 / 21 / 16.5		32 / 29 / 23 / 17		34 / 29 / 23 / 18
		Heating (P-Hi/Hi/Me/Lo)	32 / 26 / 21 / 16.5		32 / 29 / 23 / 17		34 / 29 / 23 / 18		
	Outdoor	Cooling/Heating	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			78					
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		Outdoor is higher/lower		m Max.50 / Max.15					
Outdoor operating temperature range	Cooling		°C	-15~50* ²					
	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, H1).

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.

*3 : The values are for one indoor unit operation. (Multi system only)

The values are for simultaneous Multi operation.

R32			Micro Inverter			
Set model name			FDE100VNAWVPVH	FDE125VNAWVPVH	FDE140VNAWVPVH	FDE140VNAWTVH
			Twin			Triple
Indoor unit			FDE50VH x 2	FDE60VH x 2	FDE71VH x 2	FDE50VH x 3
Outdoor unit			FDC100VNA-W	FDC125VNA-W	FDC140VNA-W	FDC140VNA-W
Power source			1 Phase 220-240V, 50Hz / 220V, 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)
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)
Power consumption	Cooling/Heating	kW	3.12 / 2.99	4.16 / 3.54	4.74 / 4.21	4.74 / 4.21
EER/COP	Cooling/Heating		3.21 / 3.75	3.00 / 3.95	2.87 / 3.68	2.87 / 3.68
Inrush current		A	5	5	5	5
Max. current			24	24	24	24
Sound power level* ¹	Indoor* ³	Cooling/Heating	60 / 60	60 / 60	60 / 60	60 / 60
	Outdoor	Cooling/Heating	69 / 70	71 / 71	72 / 73	72 / 73
Sound pressure level* ¹	Indoor* ³	Cooling (P-Hi/Hi/Me/Lo)	46 / 38 / 36 / 31	47 / 41 / 37 / 32	47 / 41 / 37 / 32	46 / 38 / 36 / 31
		Heating (P-Hi/Hi/Me/Lo)	46 / 38 / 36 / 31	47 / 41 / 37 / 32	47 / 41 / 37 / 32	46 / 38 / 36 / 31
	Outdoor	Cooling/Heating	54 / 55	54 / 56	56 / 58	56 / 58
Air flow	Indoor* ³	Cooling (P-Hi/Hi/Me/Lo)	13 / 10 / 9 / 7	20 / 16 / 13 / 10	20 / 16 / 13 / 10	13 / 10 / 9 / 7
		Heating (P-Hi/Hi/Me/Lo)	13 / 10 / 9 / 7	20 / 16 / 13 / 10	20 / 16 / 13 / 10	13 / 10 / 9 / 7
	Outdoor	Cooling/Heating	75 / 73	75 / 73	75 / 73	75 / 73
Exterior dimensions	Indoor	HeightxWidthxDepth	210 x 1,070 x 690	210 x 1,320 x 690		210 x 1,070 x 690
	Outdoor		845 x 970 x 370			
Net weight	Indoor	kg	28	33		28
	Outdoor		77			
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		Outdoor is higher/lower	Max.50 / Max.15			
Outdoor operating temperature range	Cooling	°C	-15~50* ²			
	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			

The values are for simultaneous Multi operation.

R32			Micro Inverter				
Set model name			FDE100VSAWVPVH	FDE125VSAWVPVH	FDE140VSAWVPVH	FDE140VSAWTVH	
			Twin		Triple		
Indoor unit			FDE50VH x 2	FDE60VH x 2	FDE71VH x 2	FDE50VH x 3	
Outdoor unit			FDC100VSA-W	FDC125VSA-W	FDC140VSA-W	FDC140VSA-W	
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)	13.6 (5.0 ~ 14.5)	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)	15.5 (4.0 ~ 16.5)	
Power consumption	Cooling/Heating	kW	3.12 / 2.99	4.16 / 3.54	4.74 / 4.21	4.74 / 4.21	
EER/COP	Cooling/Heating		3.21 / 3.75	3.00 / 3.95	2.87 / 3.68	2.87 / 3.68	
Inrush current		A	5	5	5	5	
Max. current			15	15	15	15	
Sound power level* ¹	Indoor* ³	Cooling/Heating	dB(A)	60 / 60	60 / 60	60 / 60	
	Outdoor			Cooling/Heating	69 / 70	71 / 71	72 / 73
Sound pressure level* ¹	Indoor* ³	Cooling (P-Hi/Hi/Me/Lo)	dB(A)	46 / 38 / 36 / 31	47 / 41 / 37 / 32	47 / 41 / 37 / 32	46 / 38 / 36 / 31
		Heating (P-Hi/Hi/Me/Lo)		46 / 38 / 36 / 31	47 / 41 / 37 / 32	47 / 41 / 37 / 32	46 / 38 / 36 / 31
	Outdoor	Cooling/Heating	54 / 56	54 / 56	56 / 58	56 / 58	
Air flow	Indoor* ³	Cooling (P-Hi/Hi/Me/Lo)	m³/min	13 / 10 / 9 / 7	20 / 16 / 13 / 10	20 / 16 / 13 / 10	13 / 10 / 9 / 7
		Heating (P-Hi/Hi/Me/Lo)		13 / 10 / 9 / 7	20 / 16 / 13 / 10	20 / 16 / 13 / 10	13 / 10 / 9 / 7
	Outdoor	Cooling/Heating	75 / 73	75 / 73	75 / 73	75 / 73	
Exterior dimensions	Indoor	HeightxWidthxDepth	mm	210 x 1,070 x 690	210 x 1,320 x 690		210 x 1,070 x 690
	Outdoor			845 x 970 x 370			
Net weight	Indoor		kg	28	33		28
	Outdoor			78			
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		Outdoor is higher/lower	m	Max.50 / Max.15			
Outdoor operating temperature range	Cooling		°C	-15~-50* ²			
	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 - FDE -

R410A			Micro Inverter			
Set model name			FDE100VNAVH		FDE125VNAVH	FDE140VNAVH
Indoor unit			FDE100VH	FDE125VH	FDE140VH	
Outdoor unit			FDC100VNA	FDC125VNA	FDC140VNA	
Power source			1 Phase 220-240V, 50Hz / 220V, 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)	
Nominal heating capacity (Min~Max)		kW	11.2 (4.0 ~ 12.5)	14.0 (4.0 ~ 16.0)	15.5 (4.0 ~ 16.5)	
Power consumption	Cooling/Heating	kW	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	
Inrush current		A	5	5	5	
Max. current			24	24	24	
Sound power level* ¹	Indoor	Cooling/Heating	dB(A)	64 / 64	64 / 64	
	Outdoor	Cooling/Heating		70 / 70	71 / 71	
Sound pressure level* ¹	Indoor	Cooling (P-Hi/Hi/Me/Lo)		48 / 43 / 38 / 34	48 / 45 / 40 / 35	49 / 45 / 40 / 36
		Heating (P-Hi/Hi/Me/Lo)		48 / 43 / 38 / 34	48 / 45 / 40 / 35	49 / 45 / 40 / 36
	Outdoor	Cooling/Heating		54 / 56	55/ 57	57 / 59
Air flow	Indoor	Cooling (P-Hi/Hi/Me/Lo)		m³/min	32 / 26 / 21 / 16.5	32 / 29 / 23 / 17
		Heating (P-Hi/Hi/Me/Lo)	32 / 26 / 21 / 16.5		32 / 29 / 23 / 17	34 / 29 / 23 / 18
	Outdoor	Cooling/Heating	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		
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	Outdoor is higher/lower		m	Max.50 / Max.15		
Outdoor operating temperature range	Cooling		°C	-15~50* ²		
	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			

R410A			Micro Inverter		
Set model name			FDE100VSAVH	FDE125VSAVH	FDE140VSAVH
Indoor unit			FDE100VH	FDE125VH	FDE140VH
Outdoor unit			FDC100VSA	FDC125VSA	FDC140VSA
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)	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)
Power consumption	Cooling/Heating	kW	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
Inrush current		A	5	5	5
Max. current			15	15	15
Sound power level*1	Indoor	Cooling/Heating	64 / 64	64 / 64	65 / 65
	Outdoor	Cooling/Heating	70 / 70	71 / 71	73 / 73
Sound pressure level*1	Indoor	Cooling (P-Hi/Hi/Me/Lo)	48 / 43 / 38 / 34	48 / 45 / 40 / 35	49 / 45 / 40 / 36
		Heating (P-Hi/Hi/Me/Lo)	48 / 43 / 38 / 34	48 / 45 / 40 / 35	49 / 45 / 40 / 36
	Outdoor	Cooling/Heating	54 / 56	55/ 57	57 / 59
Air flow	Indoor	Cooling (P-Hi/Hi/Me/Lo)	32 / 26 / 21 / 16.5	32 / 29 / 23 / 17	34 / 29 / 23 / 18
		Heating (P-Hi/Hi/Me/Lo)	32 / 26 / 21 / 16.5	32 / 29 / 23 / 17	34 / 29 / 23 / 18
	Outdoor	Cooling/Heating	75 / 73	75 / 73	75 / 73
Exterior dimensions	Indoor	HeightxWidthxDepth	250 x 1,620 x 690		
	Outdoor		845 x 970 x 370		
Net weight	Indoor	kg	43		
	Outdoor		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	Outdoor is higher/lower		Max.50 / Max.15		
Outdoor operating temperature range	Cooling	°C	-15~50*2		
	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.

*3 : The values are for one indoor unit operation. (Multi system only)

The values are for simultaneous Multi operation.

R410A			Micro Inverter			
Set model name			FDE100VNAPVH	FDE125VNAPVH	FDE140VNAPVH	FDE140VNATVH
			Twin			Triple
Indoor unit			FDE50VH x 2	FDE60VH x 2	FDE71VH x 2	FDE50VH x 3
Outdoor unit			FDC100VNA	FDC125VNA	FDC140VNA	FDC140VNA
Power source			1 Phase 220-240V, 50Hz / 220V, 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)
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)
Power consumption	Cooling/Heating	kW	3.12 / 2.99	4.16 / 3.54	4.74 / 4.21	4.74 / 4.21
EER/COP	Cooling/Heating		3.21 / 3.75	3.00 / 3.95	2.87 / 3.68	2.87 / 3.68
Inrush current		A	5	5	5	5
Max. current			24	24	24	24
Sound power level* ¹	Indoor* ³	Cooling/Heating	dB(A)	60 / 60	60 / 60	60 / 60
	Outdoor			Cooling/Heating	70 / 70	71 / 71
Sound pressure level* ¹	Indoor* ³	Cooling (P-Hi/Hi/Me/Lo)	dB(A)	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	54 / 56	55 / 57	57 / 59	57 / 59
		Air flow	Indoor* ³	Cooling (P-Hi/Hi/Me/Lo)	m³/min	13 / 10 / 9 / 7
Heating (P-Hi/Hi/Me/Lo)	13 / 10 / 9 / 7			20 / 16 / 13 / 10		20 / 16 / 13 / 10
Outdoor	Cooling/Heating		75 / 73	75 / 73	75 / 73	75 / 73
	Exterior dimensions		Indoor	HeightxWidthxDepth	mm	210 x 1,070 x 690
Outdoor		845 x 970 x 370				
Net weight	Indoor		kg	28	33	28
	Outdoor			80		
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	Outdoor is higher/lower	m	Max.50 / Max.15			
Outdoor operating temperature range	Cooling	°C	-15~50* ²			
	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			

The values are for simultaneous Multi operation.

R410A			Micro Inverter		
Set model name			FDE100VSAPVH	FDE125VSAPVH	FDE140VSAPVH
			Twin		
Indoor unit			FDE50VH x 2	FDE60VH x 2	FDE71VH x 2
Outdoor unit			FDC100VSA	FDC125VSA	FDC140VSA
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)	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)
Power consumption	Cooling/Heating	kW	3.12 / 2.99	4.16 / 3.54	4.74 / 4.21
EER/COP	Cooling/Heating		3.21 / 3.75	3.00 / 3.95	2.87 / 3.68
Inrush current		A	5	5	5
Max. current			15	15	15
Sound power level* ¹	Indoor* ³	Cooling/Heating	60 / 60	60 / 60	60 / 60
	Outdoor	Cooling/Heating	70 / 70	71 / 71	73 / 73
Sound pressure level* ¹	Indoor* ³	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	54 / 56	55 / 57	57 / 59
Air flow	Indoor* ³	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	75 / 73	75 / 73	75 / 73
Exterior dimensions	Indoor	HeightxWidthxDepth	210 x 1,070 x 690	210 x 1,320 x 690	
	Outdoor		845 x 970 x 370		
Net weight	Indoor		28	33	
	Outdoor		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	Outdoor is higher/lower		m Max.50 / Max.15		
Outdoor operating temperature range	Cooling	°C	-15~-50* ²		
	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 - FDE -

The values are for simultaneous Multi operation.

R410A			Micro Inverter			
Set model name			FDE200VSAPVH	FDE250VSAPVH	FDE140VSATVH	FDE200VSATVH
			Twin		Triple	
Indoor unit			FDE100VH x 2	FDE125VH x 2	FDE50VH x 3	FDE71VH x 3
Outdoor unit			FDC200VSA	FDC250VSA	FDC140VSA	FDC200VSA
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)	13.6 (5.0 ~ 14.5)	19.0 (5.2 ~ 22.4)
Nominal heating capacity (Min~Max)		kW	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	kW	6.34 / 6.10	8.52 / 7.54	4.74 / 4.21	6.33 / 5.94
EER/COP	Cooling/Heating		3.00 / 3.67	2.82 / 3.58	2.87 / 3.68	3.00 / 3.77
Inrush current		A	5	5	5	5
Max. current			20	21	15	20
Sound power level *1	Indoor*3	Cooling/Heating	dB(A)	64 / 64	64 / 64	60 / 60
	Outdoor			Cooling/Heating	72 / 74	73 / 75
Sound pressure level *1	Indoor*3	Cooling (P-Hi/Hi/Me/Lo)	48 / 43 / 38 / 34	48 / 45 / 40 / 35	46 / 38 / 36 / 31	47 / 41 / 37 / 32
	Indoor*3	Heating (P-Hi/Hi/Me/Lo)	48 / 43 / 38 / 34	48 / 45 / 40 / 35	46 / 38 / 36 / 31	47 / 41 / 37 / 32
Air flow	Outdoor	Cooling/Heating	58 / 59	59 / 62	57 / 59	58 / 59
		Cooling (P-Hi/Hi/Me/Lo)	32 / 26 / 21 / 16.5	32 / 29 / 23 / 17	13 / 10 / 9 / 7	20 / 16 / 13 / 10
	Outdoor	Heating (P-Hi/Hi/Me/Lo)	32 / 26 / 21 / 16.5	32 / 29 / 23 / 17	13 / 10 / 9 / 7	20 / 16 / 13 / 10
		Cooling/Heating	135 / 135	143 / 151	75 / 73	135 / 135
Exterior dimensions	Indoor	HeightxWidthxDepth	mm	250 x 1,620 x 690		210 x 1,070 x 690
	Outdoor			1,300 x 970 x 370		1,505 x 970 x 370
Net weight	Indoor		kg	43		28
	Outdoor			115		143
Ref.piping size	Liquid/Gas	ømm	9.52(3/8") / 22.22(7/8")	12.7(1/2") / 22.22(7/8")	9.52(3/8") / 15.88(5/8")	9.52(3/8") / 22.22(7/8")
Refrigerant line (one way) length		m	Max.70		Max.50	Max.70
Vertical height differences	Outdoor is higher/lower	m	Max.30 / Max.15		Max.50 / Max.15	Max.30 / Max.15
Outdoor operating temperature range	Cooling	°C	-15~50*2		-15~50*2	
	Heating		-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.

R410A			Micro Inverter	
Set model name			FDE200VSADVH	FDE250VSADVH
			Double Twin	
Indoor unit			FDE50VH x 4	FDE60VH x 4
Outdoor unit			FDC200VSA	FDC250VSA
Power source			3 Phase 380-415V, 50Hz / 380V, 60Hz	
Nominal cooling capacity (Min~Max)			19.0 (5.2 ~ 22.4)	24.0 (6.9 ~ 28.0)
Nominal heating capacity (Min~Max)			22.4 (3.3 ~ 25.0)	27.0 (5.5 ~ 31.5)
Power consumption			6.90 / 7.10	8.00 / 7.02
EER/COP			2.75 / 3.15	3.00 / 3.85
Inrush current			5	5
Max. current			20	21
Sound power level *1	Indoor*3	Cooling/Heating	60 / 60	60 / 60
	Outdoor	Cooling/Heating	72 / 74	73 / 75
Sound pressure level *1	Indoor*3	Cooling (P-Hi/Hi/Me/Lo)	46 / 38 / 36 / 31	47 / 41 / 37 / 32
	Indoor*3	Heating (P-Hi/Hi/Me/Lo)	46 / 38 / 36 / 31	47 / 41 / 37 / 32
Air flow	Outdoor	Cooling/Heating	58 / 59	59 / 62
	Indoor*3	Cooling (P-Hi/Hi/Me/Lo)	13 / 10 / 9 / 7	20 / 16 / 13 / 10
Exterior dimensions	Indoor	HeightxWidthxDepth	210 x 1,070 x 690	210 x 1,320 x 690
	Outdoor	HeightxWidthxDepth	1,300 x 970 x 370	1,505 x 970 x 370
Net weight	Indoor		28	33
	Outdoor		115	143
Ref.piping size			9.52(3/8") / 22.22(7/8")	12.7(1/2") / 22.22(7/8")
Refrigerant line (one way) length			Max.70	
Vertical height differences			Max.30 / Max.15	
Outdoor operating temperature range			-15~50*2	
Air filter, Q'ty			-15~20	
Remote control (option)			Pocket plastic net x 2(Washable) wired:RC-EX3A, RC-E5, RCH-E3 wireless:RCN-E-E3	

NOTES:

The data are measured under the following conditions(R410A : ISO-T1, R32 : ISO-T1, H1).

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.

*3 : The values are for one indoor unit operation. (Multi system only)

The values are for simultaneous Multi operation.

R32			Standard Inverter		
Set model name			FDE71VNPVH	FDE90VNPVH	FDE100VNPVH
Indoor unit			FDE71VH	FDE100VH	FDE100VH
Outdoor unit			FDC71VNP-W	FDC90VNP-W	FDC100VNP-W
Power source			1 Phase 220-240V, 50Hz / 220V, 60Hz		
Nominal cooling capacity (Min~Max)		kW	7.1 (1.5 ~ 7.3)	9.0 (2.1 ~ 9.5)	10.0 (2.1 ~ 10.2)
Nominal heating capacity (Min~Max)		kW	7.1 (1.1 ~ 7.3)	9.0 (1.7 ~ 9.5)	10.0 (1.7 ~ 10.4)
Power consumption	Cooling/Heating	kW	2.41 / 1.96	2.38 / 1.99	3.00 / 2.36
EER/COP	Cooling/Heating		2.95 / 3.62	3.78 / 4.52	3.33 / 4.24
Inrush current		A	5	5	5
Max. current			15.8	19	19
Sound power level*1	Indoor	Cooling/Heating	dB(A)	60 / 60	64 / 64
	Outdoor			Cooling/Heating	67 / 67
Sound pressure level*1	Indoor	Cooling (P-Hi/Hi/Me/Lo)	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	55 / 53	56 / 54
Air flow	Indoor	Cooling (P-Hi/Hi/Me/Lo)	m³/min	20 / 16 / 13 / 10	32 / 26 / 21 / 16.5
		Heating (P-Hi/Hi/Me/Lo)		20 / 16 / 13 / 10	32 / 26 / 21 / 16.5
	Outdoor	Cooling/Heating	42 / 42	55 / 55	63 / 55
Exterior dimensions	Indoor	HeightxWidthxDpth	mm	210 x 1,320 x 690	
	Outdoor			640 x 800(+71) x 290	
Net weight	Indoor		kg	33	
	Outdoor			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		-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		

The values are for simultaneous Multi operation.

R410A			Standard Inverter		
Set model name			FDE71VNPVH	FDE90VNPVH	FDE100VNPVH
Indoor unit			FDE71VH	FDE100VH	FDE100VH
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			14.5	18	21
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)	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
		Cooling (P-Hi/Hi/Me/Lo)	20 / 16 / 13 / 10	32 / 26 / 21 / 16.5	32 / 26 / 21 / 16.5
Air flow	Indoor	Heating (P-Hi/Hi/Me/Lo)	20 / 16 / 13 / 10	32 / 26 / 21 / 16.5	32 / 26 / 21 / 16.5
		Cooling/Heating	36 / 36	63 / 49.5	75 / 79
	Outdoor	Cooling/Heating	36 / 36	63 / 49.5	75 / 79
Exterior dimensions	Indoor	HeightxWidthxDepth	210 x 1,320 x 690	250 x 1,620 x 690	
	Outdoor	HeightxWidthxDepth	640 x 800(+71) x 290	750 x 880(+88) x 340	845 x 970 x 370
Net weight	Indoor		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	Outdoor is higher/lower	m	Max.20 / Max.20		
Outdoor operating temperature range	Cooling	°C	-15~46*2		
	Heating	°C	-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		