

FDF

Indoor Unit Floor Standing

New



FDF 71/100/125/140



Remote control

Wired



(installed)

Wireless



RCN-KIT4-E2
(option)



Energy
Saving



Home
Leave



Hi
Power



Vertical
Auto Swing



Weekly
Timer



Favourite
Setting

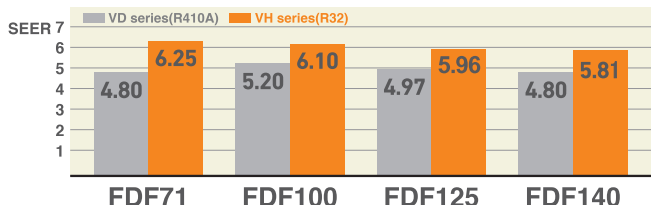


*Not all functions available with all remote control options.

*The remote control for the FDF-VD series will be RC-E5 type remote.

High Efficiency

Energy efficiency is improved by New heat exchanger design (In case of Hyper INV).

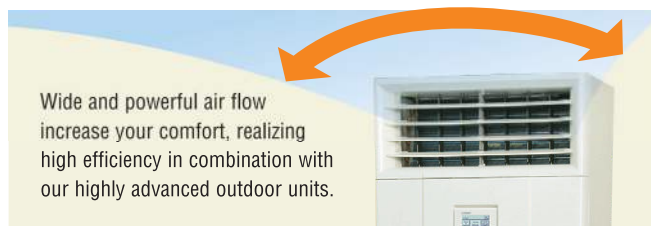


Improved operability and visibility

Equipped with eco-touch remote control as standard equipment. Various functions can now be controlled. (VH series)



Wide and Powerful Air Flow

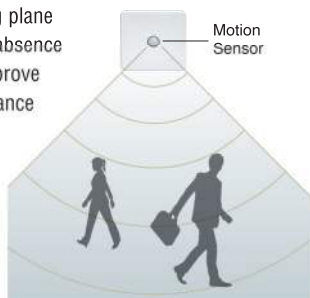


Motion Sensor (Option)

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



LB-KIT2



Equipped with a leak detector device

Can now be safely used with the new refrigerant detector that detects leakage of the refrigerant. (VH series)

Remote control will integrate leak detector functions:
Audible and visible alarm



Leak detector



inside



Easy Transportation and Installation Workability

Piping and drain hose connection can be selected out of 4-directions and the selection makes installation workability more effective.
Due to slim design (Depth: 329mm, weight:49kg), easy transportation and installation are realized.

Easy Maintenance

The surface of heat exchanger can be appeared only removing the front panel. Easy cleaning of heat exchanger is possible.

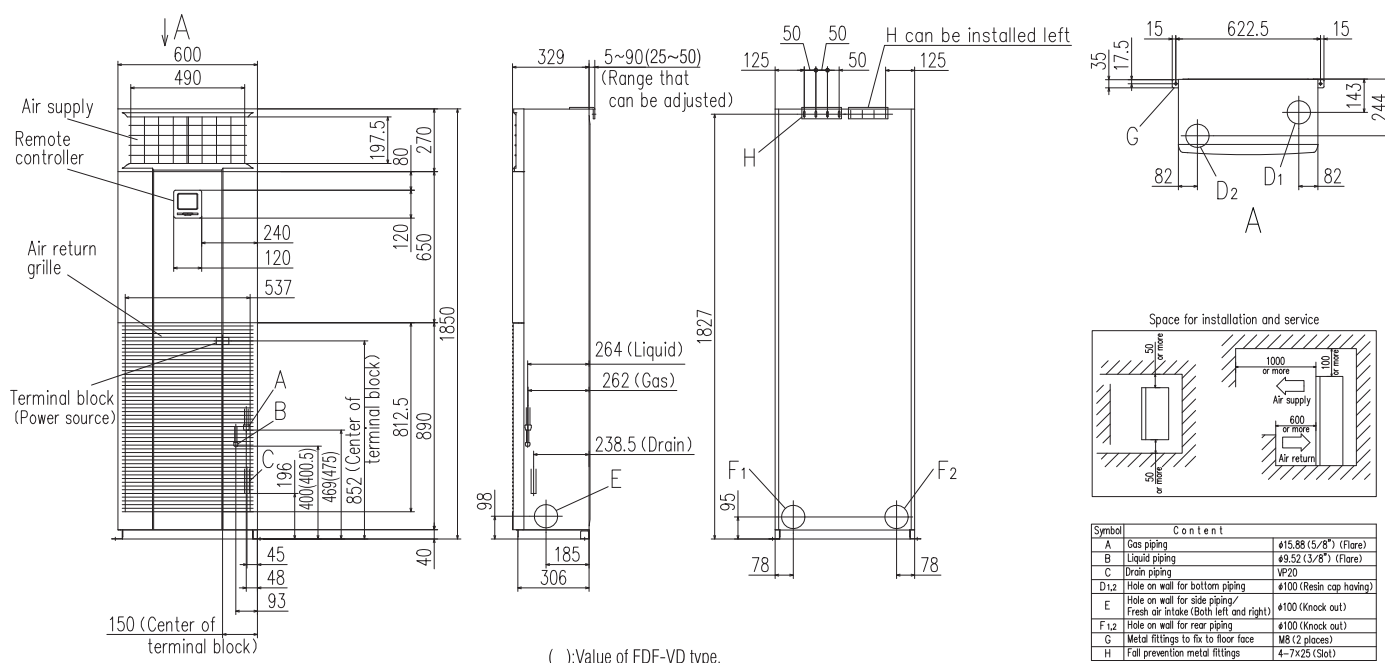


OUTDOOR UNIT

		Hyper Inverter	
FDC		71VNX-W	100~140VN(S)X-W
		71VNX	100~140VN(S)X
model			
Chargeless		30m	
Height x Width x Depth (mm)		750 x 880(+88) x 340	1,300 x 970 x 370

		Micro Inverter			Standard Inverter		
FDC		100~140VN(S)A-W	—	200~250~280VSA-W	71VNP-W	90~100VNP-W	—
		100~140VN(S)A	200VSA	250VSA	71VNP	90VNP1	100VNP
model							
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	845 x 970 x 370

DIMENSIONS (Unit:mm) - FDF -



SPECIFICATIONS - FDF -

R32				HyperInverter			
Set model name				FDF71VNXWVH	FDF100VNXWVH	FDF125VNXWVH	FDF140VNXWVH
Indoor unit				FDF71VH	FDF100VH	FDF125VH	FDF140VH
Outdoor unit				FDC71VNX-W	FDC100VNX-W	FDC125VNX-W	FDC140VNX-W
Power source				1 Phase 220-240V, 50Hz / 220V, 60Hz			
Nominal cooling capacity (Min~Max)		kW		7.1 (3.2 ~ 8.0)	10.0 (3.5 ~ 11.2)	12.5 (3.5 ~ 14.0)	14.0 (3.5 ~ 16.0)
Nominal heating capacity (Min~Max)		kW		8.0 (3.6 ~ 9.0)	11.2 (2.7 ~ 12.5)	14.0 (2.7 ~ 17.0)	16.0 (2.7 ~ 18.0)
Power consumption	Cooling/Heating	kW		1.97 / 2.21	2.66 / 2.94	3.74 / 3.88	4.62 / 4.69
EER/COP	Cooling/Heating			3.61 / 3.62	3.76 / 3.81	3.34 / 3.61	3.03 / 3.41
Inrush current			A	5	5	5	5
Max. current				19.1	25.0	27.0	27.0
Sound power level*1	Indoor	Cooling/Heating	dB(A)	55 / 55	65 / 65	67 / 67	67 / 67
	Outdoor	Cooling/Heating		66 / 66	67 / 67	68 / 70	69 / 71
Sound pressure level*1	Indoor	Cooling (P-Hi/Hi/Me/Lo)		42 / 39 / 35 / 33	53 / 51 / 49 / 44	55 / 51 / 49 / 44	55 / 51 / 49 / 44
		Heating (P-Hi/Hi/Me/Lo)		42 / 39 / 35 / 33	53 / 51 / 49 / 44	55 / 51 / 49 / 44	55 / 51 / 49 / 44
	Outdoor	Cooling/Heating		51 / 51	53 / 51	53 / 54	54 / 54
Air flow	Indoor	Cooling (P-Hi/Hi/Me/Lo)		m³/min	18 / 16 / 14 / 12	27 / 26 / 23 / 19	29 / 26 / 23 / 19
		Heating (P-Hi/Hi/Me/Lo)	18 / 16 / 14 / 12		27 / 26 / 23 / 19	29 / 26 / 23 / 19	29 / 26 / 23 / 19
	Outdoor	Cooling/Heating	60 / 50		100 / 100	100 / 100	100 / 100
Exterior dimensions	Indoor	HeightxWidthxDepth	mm	1,850 × 600 × 329			
	Outdoor			750 × 880(+88) × 340	1,300 x 970 x 370		
Net weight	Indoor		kg	47	49		
	Outdoor			60	97		
Ref.piping size	Liquid/Gas	ømm		9.52(3/8") / 15.88(5/8")			
Refrigerant line (one way) length		m		Max.50	Min. 3, Max.100		
Vertical height differences	Outdoor is higher/lower	m		Max.30 / Max.15	Max.50 / Max.15		
Outdoor operating temperature range	Cooling	°CDB		-15~50*2			
	Heating	°CWB		-20~20			
Air filter, Q'ty				Plastic net x1(Washable)			
Remote control (option)				wired : RC-EX3A, RC-E5, RCH-E3 wireless : RCN-KIT4-E2			

R32			HyperInverter			
Set model name			FDF100VSXWVH	FDF125VSXWVH	FDF140VSXWVH	
Indoor unit			FDF100VH	FDF125VH	FDF140VH	
Outdoor unit			FDC100VSX-W	FDC125VSX-W	FDC140VSX-W	
Power source			3 Phase 380-415V, 50Hz / 380V, 60Hz			
Nominal cooling capacity (Min~Max)		kW	10.0 (3.5 ~ 11.2)	12.5 (3.5 ~ 14.0)	14.0 (3.5 ~ 16.0)	
Nominal heating capacity (Min~Max)		kW	11.2 (2.7 ~ 16.0)	14.0 (2.7 ~ 18.0)	16.0 (2.7 ~ 20.0)	
Power consumption	Cooling/Heating	kW	2.66 / 2.95	3.74 / 3.88	4.62 / 4.70	
EER/COP	Cooling/Heating		3.76 / 3.80	3.34 / 3.61	3.03 / 3.41	
Inrush current		A	5	5	5	
Max. current			14.0	14.0	14.0	
Sound power level*1	Indoor	Cooling/Heating	65 / 65	67 / 67	67 / 67	
	Outdoor	Cooling/Heating	67 / 67	68 / 70	69 / 71	
Sound pressure level*1	Indoor	Cooling (P-Hi/Hi/Me/Lo)	53 / 51 / 49 / 44	55 / 51 / 49 / 44	55 / 51 / 49 / 44	
		Heating (P-Hi/Hi/Me/Lo)	53 / 51 / 49 / 44	55 / 51 / 49 / 44	55 / 51 / 49 / 44	
	Outdoor	Cooling/Heating	53 / 51	53 / 54	54 / 54	
Air flow	Indoor	Cooling (P-Hi/Hi/Me/Lo)	27 / 26 / 23 / 19	29 / 26 / 23 / 19	29 / 26 / 23 / 19	
		Heating (P-Hi/Hi/Me/Lo)	27 / 26 / 23 / 19	29 / 26 / 23 / 19	29 / 26 / 23 / 19	
	Outdoor	Cooling/Heating	100 / 100	100 / 100	100 / 100	
Exterior dimensions	Indoor	HeightxWidthxDepth	mm	1,850 × 600 × 329		
	Outdoor	HeightxWidthxDepth <td colspan="3">1300 × 970 × 370</td>		1300 × 970 × 370		
Net weight	Indoor		kg	49		
	Outdoor			99		
Ref.piping size	Liquid/Gas	ømm	9.52(3/8") / 15.88(5/8")			
Refrigerant line (one way) length		m	Min. 3, Max.100			
Vertical height differences	Outdoor is higher/lower	m	Max.50 / Max.15			
Outdoor operating temperature range	Cooling	°CDB	-15~50*2			
	Heating	°CWB	-20~20			
Air filter, Q'ty			Plastic net x 1(washable)			
Remote control (option)			wired : RC-EX3A, RC-E5, RCH-E3 wireless : RCN-KIT4-E2			

NOTES:

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

R32			Hyper Inverter	
Set model name			FDF140VNXWPVH	FDF140VSXWPVH
			Twin	
Indoor unit			FDF71VH x 2	FDF71VH x 2
Outdoor unit			FDC140VNX-W	FDC140VSX-W
Power source			1 Phase 220-240V, 50Hz / 220V, 60Hz	3 Phase 380-415V, 50Hz / 380V, 60Hz
Nominal cooling capacity (Min~Max)			14.0 (3.5 ~ 16.0)	14.0 (3.5 ~ 16.0)
Nominal heating capacity (Min~Max)			16.0 (2.7 ~ 18.0)	16.0 (2.7 ~ 20.0)
Power consumption			3.78 / 4.26	3.78 / 4.27
EER/COP			3.71 / 3.75	3.71 / 3.75
Inrush current			5	5
Max. current			27.0	14.0
Sound power level*1	Indoor*3	Cooling/Heating	55 / 55	55 / 55
	Outdoor	Cooling/Heating	69 / 71	69 / 71
Sound pressure level*1	Indoor*3	Cooling (P-Hi/Hi/Me/Lo)	42 / 39 / 35 / 33	42 / 39 / 35 / 33
	Indoor*3	Heating (P-Hi/Hi/Me/Lo)	42 / 39 / 35 / 33	42 / 39 / 35 / 33
	Outdoor	Cooling/Heating	54 / 54	54 / 54
	Outdoor	Cooling/Heating	100 / 100	100 / 100
Exterior dimensions			1,850 x 600 x 329	1,850 x 600 x 329
			1300 x 970 x 370	1300 x 970 x 370
Net weight			47	47
			97	99
Ref.piping size			9.52(3/8") / 15.88(5/8")	9.52(3/8") / 15.88(5/8")
Refrigerant line (one way) length			Min. 3, Max.100	Min. 3, Max.100
Vertical height differences			Max.50 / Max.15	Max.50 / Max.15
Outdoor operating temperature range			-15~50*2	-15~50*2
			-20~20	-20~20
Air filter, Q'ty			Plastic net x1(Washable)	Plastic net x1(Washable)
Remote control (option)			wired : RC-EX3A, RC-E5, RCH-E3 wireless : RCN-KIT4-E2	wired : RC-EX3A, RC-E5, RCH-E3 wireless : RCN-KIT4-E2

R410A			Hyper Inverter			
Set model name			FDF71VNXVD1	FDF100VNXVD2	FDF125VNXVD	FDF140VNXVD
Indoor unit			FDF71VD1	FDF100VD2	FDF125VD	FDF140VD
Outdoor unit			FDC71VNX	FDC100VNX	FDC125VNX	FDC140VNX
Power source			1 Phase 220-240V, 50Hz / 220V, 60Hz			
Nominal cooling capacity (Min~Max)			7.1 (3.2 ~ 8.0)	10.0 (4.0 ~ 11.2)	12.5 (5.0 ~ 14.0)	14.0 (5.0 ~ 16.0)
Nominal heating capacity (Min~Max)			8.0 (3.6 ~ 9.0)	11.2 (4.0 ~ 12.5)	14.0 (4.0 ~ 17.0)	16.0 (4.0 ~ 18.0)
Power consumption			2.21 / 2.21	2.83 / 3.04	3.89 / 3.88	4.65 / 4.69
EER/COP			3.21 / 3.62	3.53 / 3.68	3.21 / 3.61	3.01 / 3.41
Inrush current			5	5	5	5
Max. current			17	24	26	26
Sound power level*1	Indoor	Cooling/Heating	61 / 61	65 / 65	73 / 73	73 / 73
	Outdoor	Cooling/Heating	66 / 66	70 / 70	70 / 70	72 / 72
Sound pressure level*1	Indoor	Cooling (P-Hi/Hi/Me/Lo)	42 / 39 / 35 / 33	54 / 50 / 48 / 44	54 / 50 / 48 / 44	54 / 50 / 48 / 44
	Indoor	Heating (P-Hi/Hi/Me/Lo)	42 / 39 / 35 / 33	54 / 50 / 48 / 44	54 / 50 / 48 / 44	54 / 50 / 48 / 44
	Outdoor	Cooling/Heating	51 / 48	48 / 50	48 / 50	49 / 52
	Outdoor	Cooling/Heating	60 / 50	100 / 100	100 / 100	100 / 100
Exterior dimensions			1,850 x 600 x 329	1,850 x 600 x 329	1,850 x 600 x 329	1,850 x 600 x 329
			750 x 880(+88) x 340	1,300 x 970 x 370	1,300 x 970 x 370	1,300 x 970 x 370
Net weight			49	52	52	52
			60	105	105	105
Ref.piping size			9.52(3/8") / 15.88(5/8")	9.52(3/8") / 15.88(5/8")	9.52(3/8") / 15.88(5/8")	9.52(3/8") / 15.88(5/8")
Refrigerant line (one way) length			Max.50	Max.100	Max.100	Max.100
Vertical height differences			Max.30 / Max.15	Max.30 / Max.15	Max.30 / Max.15	Max.30 / Max.15
Outdoor operating temperature range			-15~43*2	-15~43*2	-15~43*2	-15~43*2
			-20~20	-20~20	-20~20	-20~20
Air filter, Q'ty			Plastic net x 1(washable)	Plastic net x 1(washable)	Plastic net x 1(washable)	Plastic net x 1(washable)
Remote control			wired:RC-E5 (installed) wireless:RCN-KIT4-E2 (option)	wired:RC-E5 (installed) wireless:RCN-KIT4-E2 (option)	wired:RC-E5 (installed) wireless:RCN-KIT4-E2 (option)	wired:RC-E5 (installed) wireless:RCN-KIT4-E2 (option)

SPECIFICATIONS - FDF -

R410A			HyperInverter		
Set model name			FDF100VSXVD2	FDF125VSXVD	FDF140VSXVD
Indoor unit			FDF100VD2	FDF125VD	FDF140VD
Outdoor unit			FDC100VSX	FDC125VSX	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	2.83 / 3.04	3.89 / 3.88	4.65 / 4.69
EER/COP	Cooling/Heating		3.53 / 3.68	3.21 / 3.61	3.01 / 3.41
Inrush current		A	5	5	5
Max. current			15	15	15
Sound power level*1	Indoor	Cooling/Heating	65 / 65	73 / 73	73 / 73
	Outdoor	Cooling/Heating	70 / 70	70 / 70	72 / 72
Sound pressure level*1	Indoor	Cooling (P-Hi/Hi/Me/Lo)	54 / 50 / 48 / 44	54 / 50 / 48 / 44	54 / 50 / 48 / 44
		Heating (P-Hi/Hi/Me/Lo)	54 / 50 / 48 / 44	54 / 50 / 48 / 44	54 / 50 / 48 / 44
	Outdoor	Cooling/Heating	48 / 50	48 / 50	49 / 52
Air flow	Indoor	Cooling (P-Hi/Hi/Me/Lo)	29 / 26 / 23 / 19	29 / 26 / 23 / 19	29 / 26 / 23 / 19
		Heating (P-Hi/Hi/Me/Lo)	29 / 26 / 23 / 19	29 / 26 / 23 / 19	29 / 26 / 23 / 19
	Outdoor	Cooling/Heating	100 / 100	100 / 100	100 / 100
Exterior dimensions	Indoor	HeightxWidthxDepth	1,850 × 600 × 329		
	Outdoor		1,300 x 970 x 370		
Net weight	Indoor	kg	52		
	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	°CDB	-15~43*2		
	Heating	°CWB	-20~20		
Air filter, Q'ty			Plastic net x 1(washable)		
Remote control			wired:RC-E5 (installed) wireless:RCN-KIT4-E2 (option)		

The values are for simultaneous Multi operation.

R410A			Hyper Inverter		
Set model name			FDF140VNX PVD1	FDF140VSX PVD1	
			Twin		
Indoor unit			FDF71VD1 x 2	FDF71VD1 x 2	
Outdoor unit			FDC140VNX	FDC140VSX	
Power source			1 Phase 220-240V, 50Hz / 220V, 60Hz	3 Phase 380-415V, 50Hz / 380V 60Hz	
Nominal cooling capacity (Min~Max)		kW	14.0 (5.0 ~ 16.0)	14.0 (5.0 ~ 16.0)	
Nominal heating capacity (Min~Max)		kW	16.0 (4.0 ~ 18.0)	16.0 (4.0 ~ 20.0)	
Power consumption	Cooling/Heating	kW	4.83 / 4.97	4.83/ 4.97	
EER/COP	Cooling/Heating		2.90 / 3.22	2.90 / 3.22	
Inrush current		A	5	5	
Max. current			26	15	
Sound power level*1	Indoor*3	Cooling/Heating	dB(A)	61 / 61	
	Outdoor			72 / 72	
Sound pressure level*1	Indoor*3	Cooling (P-Hi/Hi/Me/Lo)	42 / 39 / 35 / 33	42 / 39 / 35 / 33	
		Heating (P-Hi/Hi/Me/Lo)		42 / 39 / 35 / 33	
	Outdoor	Cooling/Heating		49 / 52	
Air flow	Indoor*3	Cooling (P-Hi/Hi/Me/Lo)	m³/min	18 / 16 / 14 / 12	
		Heating (P-Hi/Hi/Me/Lo)		18 / 16 / 14 / 12	
	Outdoor	Cooling/Heating		100 / 100	
Exterior dimensions	Indoor	HeightxWidthxDepth	mm	1,850 × 600 × 329	
	Outdoor			1,300 x 970 x 370	
Net weight	Indoor		kg	49	
	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	°CDB	-15~43*2		
	Heating	°CWB	-20~20		
Air filter, Q'ty			Plastic net x 1(washable)		
Remote control			wired:RC-E5 (installed) wireless:RCN-KIT4-E2 (option)		

NOTES:

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

R32				Micro Inverter						
Set model name				FDF100VNAWVH		FDF125VNAWVH		FDF140VNAWVH		
Indoor unit				FDF100VH		FDF125VH		FDF140VH		
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	3.08 / 2.94		4.65 / 4.10		5.35 / 4.98		
EER/COP		Cooling/Heating		3.25 / 3.81		2.69 / 3.42		2.54 / 3.11		
Inrush current			A	5		5		5		
Max. current				24.0		24.0		24.0		
Sound power level*1	Indoor	Cooling/Heating	dB(A)	65 / 65		67 / 67		67 / 67		
	Outdoor	Cooling/Heating		69 / 70		71 / 71		72 / 73		
Sound pressure level*1	Indoor	Cooling (P-Hi/Hi/Me/Lo)		53 / 51 / 49 / 44		55 / 51 / 49 / 44		55 / 51 / 49 / 44		
		Heating (P-Hi/Hi/Me/Lo)		53 / 51 / 49 / 44		55 / 51 / 49 / 44		55 / 51 / 49 / 44		
	Outdoor	Cooling/Heating	54 / 55		54 / 56		56 / 58			
Air flow	Indoor	Cooling (P-Hi/Hi/Me/Lo)	m³/min	27 / 26 / 23 / 19		29 / 26 / 23 / 19		29 / 26 / 23 / 19		
		Heating (P-Hi/Hi/Me/Lo)		27 / 26 / 23 / 19		29 / 26 / 23 / 19		29 / 26 / 23 / 19		
		Outdoor	Cooling/Heating		75 / 73		75 / 73		75 / 73	
Exterior dimensions	Indoor	HeightxWidthxDepth	mm	1,850 × 600 × 329						
	Outdoor			845 × 970 × 370						
Net weight	Indoor		kg	49						
	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	°CDB	-15~50*2						
		Heating	°CWB	-20~20						
Air filter, Q'ty				Plastic net x1(Washable)						
Remote control (option)				wired : RC-EX3A, RC-E5, RCH-E3 wireless : RCN-KIT4-E2						

R32				Micro Inverter						
Set model name				FDF100VSAWVH		FDF125VSAWVH		FDF140VSAWVH		
Indoor unit				FDF100VH		FDF125VH		FDF140VH		
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	3.09 / 2.94		4.65 / 4.09		5.42 / 4.98		
EER/COP		Cooling/Heating		3.25 / 3.81		2.69 / 3.42		2.51 / 3.11		
Inrush current			A	5		5		5		
Max. current				15.0		15.0		15.0		
Sound power level*1	Indoor	Cooling/Heating	dB(A)	65 / 65		67 / 67		67 / 67		
	Outdoor	Cooling/Heating		69 / 70		71 / 71		72 / 73		
Sound pressure level*1	Indoor	Cooling (P-Hi/Hi/Me/Lo)		53 / 51 / 49 / 44		55 / 51 / 49 / 44		55 / 51 / 49 / 44		
		Heating (P-Hi/Hi/Me/Lo)		53 / 51 / 49 / 44		55 / 51 / 49 / 44		55 / 51 / 49 / 44		
	Outdoor	Cooling/Heating	54 / 55		54 / 56		56 / 58			
		Cooling (P-Hi/Hi/Me/Lo)	27 / 26 / 23 / 19		29 / 26 / 23 / 19		29 / 26 / 23 / 19			
Air flow	Indoor	Heating (P-Hi/Hi/Me/Lo)	m³/min	27 / 26 / 23 / 19		29 / 26 / 23 / 19		29 / 26 / 23 / 19		
	Outdoor	Cooling/Heating		75 / 73		75 / 73		75 / 73		
Exterior dimensions	Indoor	HeightxWidthxDepth	mm	1,850 × 600 × 329						
	Outdoor			845 × 970 × 370						
Net weight	Indoor		kg	49						
	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	°CDB	-15~50*2						
		Heating	°CWB	-20~20						
Air filter, Q'ty				Plastic net x 1(Washable)						
Remote control (option)				wired : RC-EX3A, RC-E5, RCH-E3 wireless : RCN-KIT4-E2						

SPECIFICATIONS - FDF -

The values are for simultaneous Multi operation.

R32			Micro Inverter					
Set model name			FDF140VNAWPHVH	FDF140VSAWPHVH	FDF200VSAWPHVH	FDF250VSAWPHVH	FDF280VSAWPHVH	
			Twin					
Indoor unit			FDF71VH x 2	FDF71VH x 2	FDF100VH x 2	FDF125VH x 2	FDF140VH x 2	
Outdoor unit			FDC140VNA-W	FDC140VSA-W	FDC200VSA-W	FDC250VSA-W	FDC280VSA-W	
Power source			1 Phase 220-240V, 50Hz / 220V, 60Hz	3 Phase 380-415V, 50Hz / 380V, 60Hz				
Nominal cooling capacity (Min~Max)		kW	13.6 (5.0 ~ 14.5)	13.6 (5.0 ~ 14.5)	20.0 (6.8 ~ 22.4)	25.0 (6.8 ~ 28.0)	27.0 (7.5 ~ 31.5)	
Nominal heating capacity (Min~Max)		kW	15.5 (4.0 ~ 16.5)	15.5 (4.0 ~ 16.5)	22.4 (6.6 ~ 25.0)	28.0 (5.7 ~ 31.5)	30.0 (6.3 ~ 33.5)	
Power consumption	Cooling/Heating	kW	4.46 / 4.49	4.58 / 4.49	6.71 / 6.06	9.54 / 8.37	10.93 / 9.47	
EER/COP	Cooling/Heating		3.05 / 3.46	3.05 / 3.46	2.98 / 3.69	2.62 / 3.35	2.47 / 3.17	
Inrush current		A	5	5	5	5	5	
Max. current			24.0	15.0	19.0	20.0	20.0	
Sound power level*1	Indoor*3	dB(A)	55 / 55	55 / 55	65 / 65	67 / 67	67 / 67	
	Outdoor		72 / 73	72 / 73	72 / 74	73 / 75	75 / 77	
Sound pressure level*1	Indoor*3	dB(A)	42 / 39 / 35 / 33	42 / 39 / 35 / 33	53 / 51 / 49 / 44	55 / 51 / 49 / 44	55 / 51 / 49 / 44	
	Outdoor		42 / 39 / 35 / 33	42 / 39 / 35 / 33	53 / 51 / 49 / 44	55 / 51 / 49 / 44	55 / 51 / 49 / 44	
Air flow	Indoor*3	m³/min	Cooling/Heating	56 / 58	56 / 58	58 / 59	58 / 62	61 / 63
			Cooling (P-Hi/Hi/Me/Lo)	18 / 16 / 14 / 12	18 / 16 / 14 / 12	27 / 26 / 23 / 19	29 / 26 / 23 / 19	29 / 26 / 23 / 19
	Outdoor		Heating (P-Hi/Hi/Me/Lo)	18 / 16 / 14 / 12	18 / 16 / 14 / 12	27 / 26 / 23 / 19	29 / 26 / 23 / 19	29 / 26 / 23 / 19
			Cooling/Heating	75 / 73	75 / 73	148 / 134	148 / 153	136 / 140
Exterior dimensions	Indoor	HeightxWidthxDepth	mm	1,850 × 600 × 329				
	Outdoor			845 × 970 × 370	1505 × 970 × 370			
Net weight	Indoor	kg	47	49				
	Outdoor		77	78	144	145	155	
Ref.piping size	Liquid/Gas	ømm	9.52(3/8") / 15.88(5/8")		9.52(3/8") / 22.22(7/8")			
Refrigerant line (one way) length		m	Max.50		Max.70		Max.60	
Vertical height differences	Outdoor is higher/lower	m	Max.50 / Max.15		Max.50*4 / Max.15			
Outdoor operating temperature range	Cooling	°CDB	-15~50*2					
Outdoor operating temperature range	Heating	°CWB	-20~20					
Air filter, Q'ty			Plastic net x1(Washable)					
Remote control (option)			wired : RC-EX3A, RC-E5, RCH-E3 wireless : RCN-KIT4-E2					

R410A			Micro Inverter			
Set model name			FDF100VNAVD2		FDF125VNAVD	FDF140VNAVD
Indoor unit			FDF100VD2		FDF125VD	FDF140VD
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 ~ 13.0)	13.0 (5.0 ~ 13.0)
Nominal heating capacity (Min~Max)		kW	11.2 (4.0 ~ 12.5)		14.0 (4.0 ~ 16.0)	15.5 (4.0 ~ 16.5)
Power consumption	Cooling/Heating	kW	3.12 / 2.94		4.65 / 4.14	5.02 / 4.98
EER/COP	Cooling/Heating		3.21 / 3.81		2.69 / 3.38	2.59 / 3.11
Inrush current		A	5		5	5
Max. current			24		24	24
Sound power level*1	Indoor	Cooling/Heating	dB(A)	65 / 65		73 / 73
	Outdoor	Cooling/Heating		70 / 70		71 / 71
Sound pressure level*1	Indoor	Cooling (P-Hi/Hi/Me/Lo)		54 / 50 / 48 / 44		54 / 50 / 48 / 44
		Heating (P-Hi/Hi/Me/Lo)		54 / 50 / 48 / 44		54 / 50 / 48 / 44
	Outdoor	Cooling/Heating		54 / 56		55 / 57
Air flow	Indoor	Cooling (P-Hi/Hi/Me/Lo)		m³/min	29 / 26 / 23 / 19	
		Heating (P-Hi/Hi/Me/Lo)	29 / 26 / 23 / 19		29 / 26 / 23 / 19	
	Outdoor	Cooling/Heating	75 / 73		75 / 73	
Exterior dimensions	Indoor	HeightxWidthxDepth	mm		1,850 × 600 × 329	
	Outdoor				845 × 970 × 370	
Net weight	Indoor		kg		52	
	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	°CDB	-15~50*2			
	Heating	°CWB	-20~20			
Air filter, Q'ty				Plastic net x 1(Washable)		
Remote control				wired:RC-E5 (installed) wireless:RCN-KIT4-E2 (option)		

NOTES:

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

*4 : In case of following conditions:Max.50m(Outdoor unit is higher & Outdoor temperature ≤ 43°C), Max.30m(Outdoor unit is higher & Outdoor temperature > 43°C)

R410A			Micro Inverter		
Set model name			FDF100VSAVD2	FDF125VSAVD	FDF140VSAVD
Indoor unit			FDF100VD2	FDF125VD	FDF140VD
Outdoor unit			FDC100VSA	FDC125VSA	FDC140VSA
Power source			3 Phase 380-415V, 50Hz / 380V, 60Hz		
Nominal cooling capacity (Min~Max)			10.0 (4.0 ~ 11.2)	12.5 (5.0 ~ 14.0)	13.6 (5.0 ~ 14.5)
Nominal heating capacity (Min~Max)			11.2 (4.0 ~ 12.5)	14.0 (4.0 ~ 16.0)	15.5 (4.0 ~ 16.5)
Power consumption			3.12 / 2.94	4.65 / 4.14	5.42 / 4.98
EER/COP			3.21 / 3.81	2.69 / 3.38	2.51 / 3.11
Inrush current			5	5	5
Max. current			15	15	15
Sound power level*1	Indoor	Cooling/Heating	65 / 65	73 / 73	73 / 73
	Outdoor	Cooling/Heating	70 / 70	71 / 71	73 / 73
Sound pressure level*1	Indoor	Cooling (P-Hi/Hi/Me/Lo)	54 / 50 / 48 / 44	54 / 50 / 48 / 44	54 / 50 / 48 / 44
		Heating (P-Hi/Hi/Me/Lo)	54 / 50 / 48 / 44	54 / 50 / 48 / 44	54 / 50 / 48 / 44
	Outdoor	Cooling/Heating	54 / 56	55 / 57	57 / 59
Air flow	Indoor	Cooling (P-Hi/Hi/Me/Lo)	29 / 26 / 23 / 19	29 / 26 / 23 / 19	29 / 26 / 23 / 19
		Heating (P-Hi/Hi/Me/Lo)	29 / 26 / 23 / 19	29 / 26 / 23 / 19	29 / 26 / 23 / 19
	Outdoor	Cooling/Heating	75 / 73	75 / 73	75 / 73
Exterior dimensions	Indoor	HeightxWidthxDepth	1,850 × 600 × 329		
	Outdoor		845 × 970 × 370		
Net weight	Indoor		52		
	Outdoor		82		
Ref.piping size			9.52(3/8") / 15.88(5/8")		
Refrigerant line (one way) length			Max.50		
Vertical height differences			Max.50 / Max.15		
Outdoor operating temperature range	Cooling	°CDB	-15~50*2		
	Heating	°CWB	-20~20		
Air filter, Q'ty			Plastic net x 1(Washable)		
Remote control			wired:RC-E5 (installed) wireless:RCN-KIT4-E2 (option)		

The values are for simultaneous Multi operation.

R410A			Micro Inverter					
Set model name			FDF140VNAPVD1	FDF140VSAPVD1	FDF200VSAPVD2	FDF250VSAPVD		
			Twin					
Indoor unit			FDF71VD1 x 2	FDF71VD1 x 2	FDF100VD2 x 2	FDF125VD x 2		
Outdoor unit			FDC140VNA	FDC140VSA	FDC200VSA	FDC250VSA		
Power source			1 Phase 220-240V, 50Hz / 220V, 60Hz		3 Phase 380-415V, 50Hz / 380V, 60Hz			
Nominal cooling capacity (Min~Max)		kW	13.6 (5.0 ~ 14.5)	13.6 (5.0 ~ 14.5)	19.0 (5.2 ~ 22.4)	24.0 (6.9 ~ 28.0)		
Nominal heating capacity (Min~Max)		kW	15.5 (4.0 ~ 16.5)	15.5 (4.0 ~ 16.5)	22.4 (3.3 ~ 25.0)	27.0 (5.5 ~ 31.5)		
Power consumption	Cooling/Heating	kW	5.15 / 4.35	5.15 / 4.35	6.74 / 6.42	9.15 / 8.49		
EER/COP	Cooling/Heating		2.64 / 3.56	2.64 / 3.56	2.82 / 3.49	2.62 / 3.18		
Inrush current		A	5	5	5	5		
Max. current			24	15	20	21		
Sound power level* ¹	Indoor* ³	Cooling/Heating	dB(A)	61 / 61	61 / 61	65 / 65	73 / 73	
	Outdoor	Cooling/Heating		73 / 73	73 / 73	72 / 74	73 / 75	
Sound pressure level* ¹	Indoor* ³	Cooling (P-Hi/Hi/Me/Lo)		42 / 39 / 35 / 33	42 / 39 / 35 / 33	54 / 50 / 48 / 44	54 / 50 / 48 / 44	
		Heating (P-Hi/Hi/Me/Lo)		42 / 39 / 35 / 33	42 / 39 / 35 / 33	54 / 50 / 48 / 44	54 / 50 / 48 / 44	
	Outdoor	Cooling/Heating		57 / 59	57 / 59	58 / 59	59 / 62	
Air flow	Indoor* ³	Cooling (P-Hi/Hi/Me/Lo)		m ³ /min	18 / 16 / 14 / 12	18 / 16 / 14 / 12	29 / 26 / 23 / 19	29 / 26 / 23 / 19
		Heating (P-Hi/Hi/Me/Lo)			18 / 16 / 14 / 12	18 / 16 / 14 / 12	29 / 26 / 23 / 19	29 / 26 / 23 / 19
	Outdoor	Cooling/Heating			75 / 73	75 / 73	135 / 135	143 / 151
Exterior dimensions	Indoor	HeightxWidthxDepth	mm	1,850 × 600 × 329				
	Outdoor			845 x 970 x 370	1,300 x 970 x 370	1,505 x 970 x 370		
Net weight	Indoor		kg	49		52		
	Outdoor			80	82	115	143	
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")	
Refrigerant line (one way) length		m	Max.50		Max.70			
Vertical height differences		Outdoor is higher/lower	m	Max.50 / Max.15		Max.30 / Max.15		
Outdoor operating temperature range	Cooling	°CDB	-15~50* ²					
	Heating	°CWB	-20~20		-15~20			
Air filter, Q'ty			Plastic net x 1(washable)					
Remote control			wired:RC-E5 (installed) wireless:RCN-KIT4-E2 (option)					

SPECIFICATIONS - FDF -

R32			Standard Inverter			
Set model name			FDF71VNPWVH	FDF90VNPWVH	FDF100VNPWVH	
Indoor unit			FDF71VH	FDF100VH	FDF100VH	
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	2.51 / 2.02	2.50 / 2.24	3.39 / 2.71	
EER/COP	Cooling/Heating		2.82 / 3.51	3.60 / 4.02	2.95 / 3.69	
Inrush current		A	5	5	5	
Max. current			15.8	19.0	19.0	
Sound power level*1	Indoor	dB(A)	55 / 55	65 / 65	65 / 65	
	Outdoor		Cooling/Heating	67 / 67	67 / 66	68 / 67
Sound pressure level*1	Indoor		Cooling (P-Hi/Hi/Me/Lo)	42 / 39 / 35 / 33	53 / 51 / 49 / 44	53 / 51 / 49 / 44
			Heating (P-Hi/Hi/Me/Lo)	42 / 39 / 35 / 33	53 / 51 / 49 / 44	53 / 51 / 49 / 44
	Outdoor		Cooling/Heating	54 / 54	55 / 53	56 / 54
Air flow	Indoor		Cooling (P-Hi/Hi/Me/Lo)	18 / 16 / 14 / 12	27 / 26 / 23 / 19	27 / 26 / 23 / 19
		Heating (P-Hi/Hi/Me/Lo)	18 / 16 / 14 / 12	27 / 26 / 23 / 19	27 / 26 / 23 / 19	
	Outdoor	Cooling/Heating	42 / 42	59 / 55	63 / 55	
Exterior dimensions	Indoor	HeightxWidthxDepth	mm			
	Outdoor		640×800(+71)×290	1,850 × 600 × 329		
Net weight	Indoor		47	49	49	
	Outdoor		45	57		
Ref.piping size	Liquid/Gas	ømm	6.35(1/4") / 12.7(1/2")			
Refrigerant line (one way) length		m	26	25		
Vertical height differences	Outdoor is higher/lower	m	Max.20 / Max.20			
Outdoor operating temperature range	Cooling	°CDB	-15~46*2			
	Heating	°CWB	-15~20			
Air filter, Q'ty			Plastic net x1 (Washable)			
Remote control (option)			wired : RC-EX3A, RC-E5, RCH-E3 wireless : RCN-KIT4-E2			

R410A			Standard Inverter			
Set model name			FDF71VNPVD1	FDF90VNP1VD2	FDF100VNP1VD2	
Indoor unit			FDF71VD1	FDF100VD2	FDF100VD2	
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	2.67 / 2.04	2.81 / 2.25	3.19 / 3.09	
EER/COP	Cooling/Heating		2.66 / 3.48	3.20 / 4.00	3.13 / 3.62	
Inrush current		A	5	5	5	
Max. current			14.5	18.0	21.0	
Sound power level* ¹	Indoor	Cooling/Heating	dB(A)	61 / 61	65 / 65	
	Outdoor			Cooling/Heating	67 / 67	69 / 69
Sound pressure level* ¹	Indoor	Cooling (P-Hi/Hi/Me/Lo)		42 / 39 / 35 / 33	54 / 50 / 48 / 44	54 / 50 / 48 / 44
		Heating (P-Hi/Hi/Me/Lo)		42 / 39 / 35 / 33	54 / 50 / 48 / 44	54 / 50 / 48 / 44
Air flow	Outdoor	Cooling/Heating	54 / 54	57 / 55	57 / 61	
		Cooling (P-Hi/Hi/Me/Lo)	20 / 18 / 16 / 14	29 / 26 / 23 / 19	29 / 26 / 23 / 19	
		Heating (P-Hi/Hi/Me/Lo)	20 / 18 / 16 / 14	29 / 26 / 23 / 19	29 / 26 / 23 / 19	
	Outdoor	Cooling/Heating	36 / 36	63 / 49.5	75 / 79	
Exterior dimensions	Indoor	HeightxWidthxDepth	mm	1,850 × 600 × 329		
	Outdoor			640 x 800(+71) x 290	750 x 880(+88) x 340	845 x 970 x 370
Net weight	Indoor		kg	49	52	
	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.23		Max.30	
Vertical height differences	Outdoor is higher/lower	m	Max.20 / Max.20			
Outdoor operating temperature range	Cooling	°CDB	-15~46* ²			
	Heating	°CWB	-15~20			
Air filter, Q'ty			Plastic net x1(Washable)			
Remote control			wired:RC-E5 (installed) wireless:RCN-KIT4-E2 (option)			

NOTES:

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