FLOOR STANDING

FDF

R410A

FDF 71/100/125/140

Wireless remote control (Option)

RCN-KIT4-E2

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

Point 1 Wide and powerful air flow

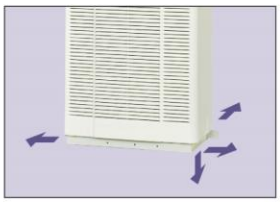
Wide and powerful air flow increase your comfort, realizing high efficiency in combination with our highly advanced outdoor units.

Point 2 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: 320mm), 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.

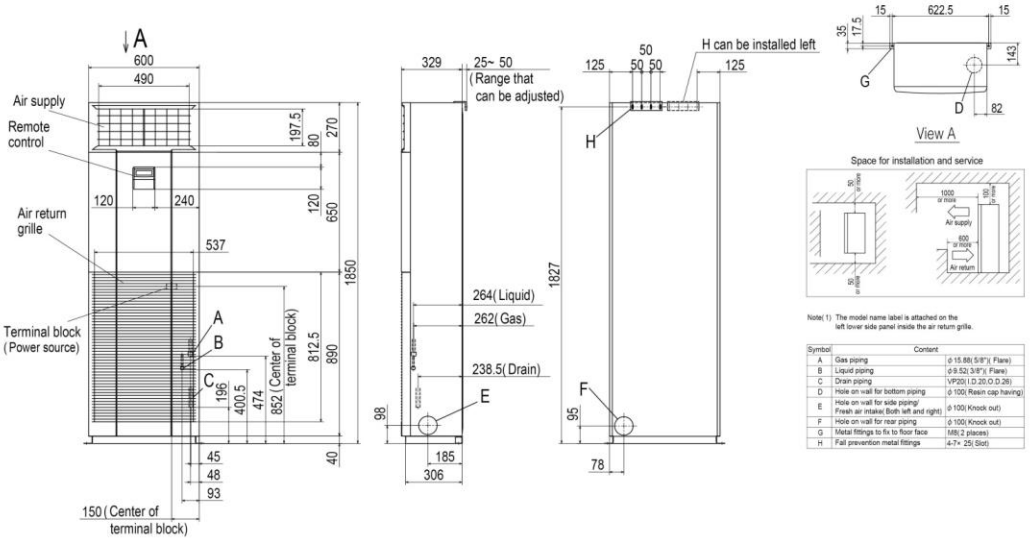


OUTDOOR UNIT

	Hyper Inverter		Micro Inverter		
FDC	71VNX	100~140VN(S)X	100~140VN(S)A	200VSA	250VSA
model					
Chargeless	15m	30m	30m		
Height x Width x Depth (mm)	750 x 880(+71) 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

	Standard Inverter		
FDC	71VNP	90VNP1	100VNP
model			
Chargeless	8m		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)



Note(1) The model name label is attached on the left lower side panel inside the air return grille.

Symbol	Content	
A	Gas piping	ϕ 15.88(5/8") (Flare)
B	Liquid piping	ϕ 9.52(3/8"), Flare)
C	Drain piping	VP20(I.D.20,O.D.26)
D	Hole on wall for bottom piping	ϕ 100(Resin cap having)
E	Hole on wall for side piping/ Fresh air intake(Both left and right)	ϕ 100(Knock out)
F	Hole on wall for rear piping	ϕ 100(Knock out)
G	Metal fittings to fix to floor face	M8(2 places)
H	Fall prevention metal fittings	4-7× 25(Slot)

SPECIFICATIONS

				Hyper Inverter						
Set model name				FDF71VNXVD1	FDF100VNXVD2	FDF125VNXVD	FDF140VNXVD	FDF100VSXVD2	FDF125VSXVD	FDF140VSXVD
Indoor unit				FDF71VD1	FDF100VD2	FDF125VD	FDF140VD	FDF100VD2	FDF125VD	FDF140VD
Outdoor unit				FDC71VNX	FDC100VNX	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	7.1 (3.2 ~ 8.0)	10.0 (4.0 ~ 11.2)	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	8.0 (3.6 ~ 9.0)	11.2 (4.0 ~ 12.5)	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	2.21 / 2.21	2.83 / 3.04	3.89 / 3.88	4.65 / 4.69	2.83 / 3.04	3.89 / 3.88	4.65 / 4.69
EER/COP		Cooling/Heating		3.21 / 3.62	3.53 / 3.68	3.21 / 3.61	3.01 / 3.41	3.53 / 3.68	3.21 / 3.61	3.01 / 3.41
Inrush current			A	5	5	5	5	5	5	5
Max. current				17	24	26	26	15	15	15
Sound power level*1	Indoor	Cooling/Heating	dB(A)	61 / 61	65 / 65	73 / 73	73 / 73	65 / 65	73 / 73	73 / 73
	Outdoor	Cooling/Heating		66 / 66	70 / 70	70 / 70	72 / 72	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	54 / 50 / 48 / 44	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	54 / 50 / 48 / 44	54 / 50 / 48 / 44	54 / 50 / 48 / 44	54 / 50 / 48 / 44
	Outdoor	Cooling/Heating		51 / 48	48 / 50	48 / 50	49 / 52	48 / 50	48 / 50	49 / 52
Air flow	Indoor	Cooling (P-Hi/Hi/Me/Lo)	m^3/min	20 / 18 / 16 / 14	29 / 26 / 23 / 19	29 / 26 / 23 / 19	29 / 26 / 23 / 19	29 / 26 / 23 / 19	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	29 / 26 / 23 / 19	29 / 26 / 23 / 19	29 / 26 / 23 / 19	29 / 26 / 23 / 19
	Outdoor	Cooling/Heating		60 / 50	100 / 100	100 / 100	100 / 100	100 / 100	100 / 100	100 / 100
Exterior dimensions	Indoor	HeightxWidthxDepth	mm	1,850 x 600 x 320						
	Outdoor			750 x 880(+88) x 340	1,300 x 970 x 370					
Net weight	Indoor		kg	49	52					
	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				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(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	
				FDF140VNXPVD1	FDF140VSXPVD1
				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*2	Cooling/Heating	dB(A)	61 / 61	61 / 61
	Outdoor	Cooling/Heating		72 / 72	72 / 72
Sound pressure level*1	Indoor*2	Cooling (P-Hi/Hi/Me/Lo)		42 / 39 / 35 / 33	42 / 39 / 35 / 33
		Heating (P-Hi/Hi/Me/Lo)		42 / 39 / 35 / 33	42 / 39 / 35 / 33
	Outdoor	Cooling/Heating		49 / 52	49 / 52
Air flow	Indoor*2	Cooling (P-Hi/Hi/Me/Lo)	m^3/min	18 / 16 / 14 / 12	18 / 16 / 14 / 12
		Heating (P-Hi/Hi/Me/Lo)		18 / 16 / 14 / 12	18 / 16 / 14 / 12
	Outdoor	Cooling/Heating		100 / 100	100 / 100
Exterior dimensions	Indoor	HeightxWidthxDepth	mm	1,850 x 600 x 320	
	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		℃	-15~43*3	
	Heating			-20~20	
Air filter, Q'ty				Plastic net x 1(washable)	
Remote control				wired:RC-E5 (installed) wireless:RCN-KIT4-E2 (option)	

Set model name				Micro Inverter					
				FDF100VNAVD2	FDF125VNAVD	FDF140VNAVD	FDF100VSAVD2	FDF125VSAVD	FDF140VSAVD
Indoor unit				FDF100VD2	FDF125VD	FDF140VD	FDF100VD2	FDF125VD	FDF140VD
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 ~ 13.0)	13.0 (5.0 ~ 13.0)	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		Cooling/Heating	kW	3.12 / 2.94	4.65 / 4.14	5.02 / 4.98	3.12 / 2.94	4.65/ 4.14	5.42 / 4.98
EER/COP		Cooling/Heating		3.21 / 3.81	2.69 / 3.38	2.59 / 3.11	3.21 / 3.81	2.69 / 3.38	2.51 / 3.11
Inrush current			A	5	5	5	5	5	5
Max. current				24	24	24	15	15	15
Sound power level*1	Indoor	Cooling/Heating	dB(A)	65 / 65	73 / 73	73 / 73	65 / 65	73 / 73	73 / 73
	Outdoor	Cooling/Heating		70 / 70	71 / 71	73 / 73	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	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	54 / 50 / 48 / 44	54 / 50 / 48 / 44	54 / 50 / 48 / 44
	Outdoor	Cooling/Heating		54 / 56	55 / 57	57 / 59	54 / 56	55 / 57	57 / 59
Air flow	Indoor	Cooling (P-Hi/Hi/Me/Lo)	m^3/min	29 / 26 / 23 / 19	29 / 26 / 23 / 19	29 / 26 / 23 / 19	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	29 / 26 / 23 / 19	29 / 26 / 23 / 19	29 / 26 / 23 / 19
	Outdoor	Cooling/Heating		75 / 73	75 / 73	75 / 73	75 / 73	75 / 73	75 / 73
Exterior dimensions	Indoor	HeightxWidthxDepth	mm	1,850 x 600 x 320					
	Outdoor			845 x 970 x 370					
Net weight	Indoor		kg	52					
	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	Outdoor is higher/lower		m	Max.50 / Max.15					
Outdoor operating temperature range	Cooling		℃	-15~50*3					
	Heating			-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(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

The values are for simultaneous Multi operation.

Set model name				Micro Inverter			
				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*2	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 x 600 x 320			
	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	°C	-15~50*3			
		Heating		-20~20		-15~20	
Air filter, Q'ty				Plastic net x 1(washable)			
Remote control				wired:RC-E5 (installed) wireless:RCN-KIT4-E2 (option)			

Set model name				Standard Inverter		
				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	65 / 65
	Outdoor	Cooling/Heating		67 / 67	69 / 69	70 / 70
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
	Outdoor	Cooling/Heating		54 / 54	57 / 55	57 / 61
Air flow	Indoor	Cooling (P-Hi/Hi/Me/Lo)	m^3/min	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 x 600 x 320		
	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	°C	-15~46*3		
		Heating		-15~20		
Air filter, Q'ty				Plastic net x1(Washable)		
Remote control				wired:RC-E5 (installed) wireless:RCN-KIT4-E2 (option)		