

FLOOR STANDING FDF



Wireless remote control (Option)

NEW



RCN-KIT4-E2

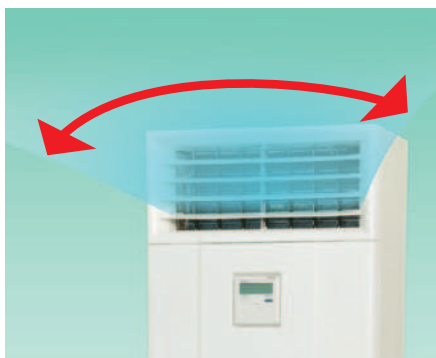


FDF 71/100/125/140

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.



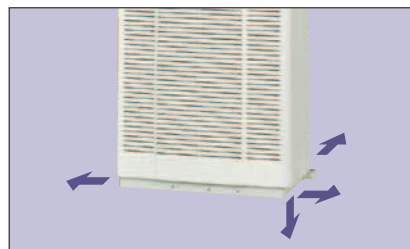
Point
2

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.

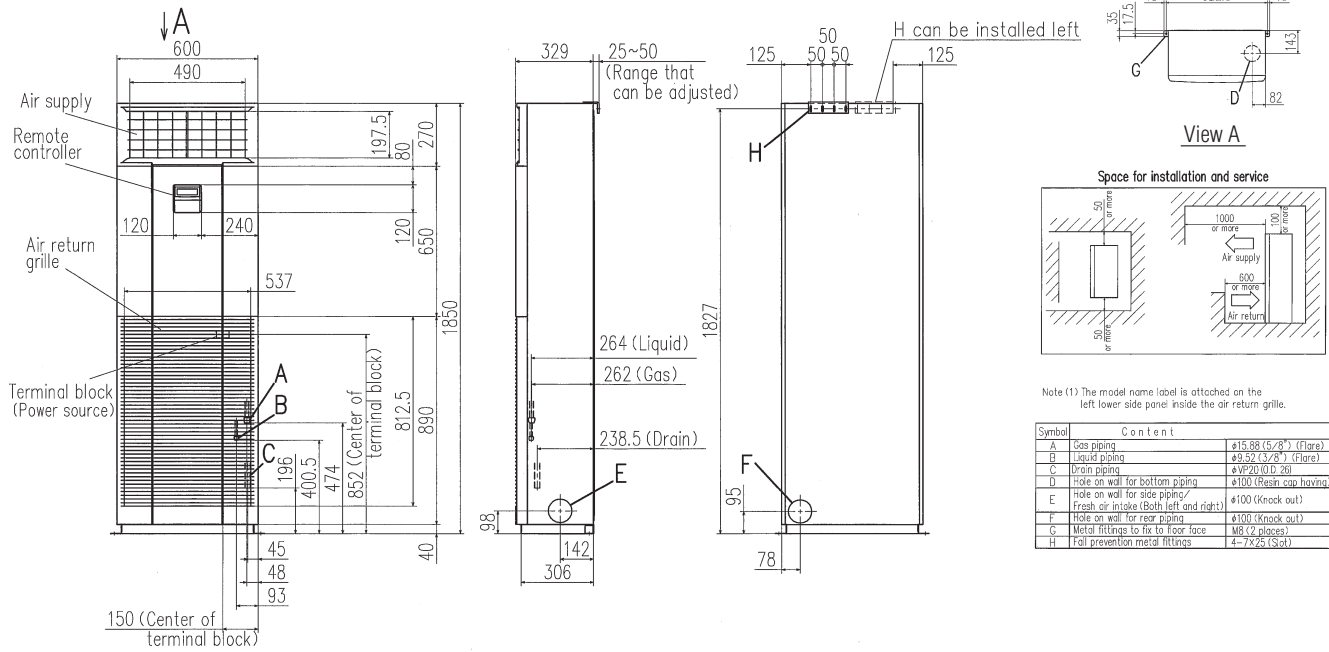


OUTDOOR UNIT

FDC	Hyper Inverter		Micro Inverter		
	71VNX	100~140VN(S)X	100~140VN(S)	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	90VNP	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)



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	A	17	24	26	26	15	15	15
Sound power level*1	Indoor	Cooling/Heating	61 / 61	65 / 65	73 / 73	73 / 73	65 / 65	73 / 73
	Outdoor	Cooling/Heating	66 / 66	70 / 70	70 / 70	72 / 72	70 / 70	72 / 72
Sound pressure level*1 ※1	Indoor	Cooling (Hi/Me/Lo)	39 / 35 / 33	50 / 48 / 44	50 / 48 / 44	50 / 48 / 44	50 / 48 / 44	50 / 48 / 44
	Outdoor	Heating (Hi/Me/Lo)	39 / 35 / 33	50 / 48 / 44	50 / 48 / 44	50 / 48 / 44	50 / 48 / 44	50 / 48 / 44
Air flow ※1	Indoor	Cooling/Heating	51 / 48	48 / 50	48 / 50	49 / 52	48 / 50	49 / 52
	Outdoor	Cooling (Hi/Me/Lo)	18 / 16 / 14	26 / 23 / 19	26 / 23 / 19	26 / 23 / 19	26 / 23 / 19	26 / 23 / 19
	Indoor	Heating (Hi/Me/Lo)	18 / 16 / 14	26 / 23 / 19	26 / 23 / 19	26 / 23 / 19	26 / 23 / 19	26 / 23 / 19
	Outdoor	Cooling/Heating	60 / 50	100 / 100	100 / 100	100 / 100	100 / 100	100 / 100
Exterior dimensions	Indoor	HeightxWidthxDepth	1,850 x 600 x 320					
	Outdoor	mm	750 x 880(+88) x 340					
Net weight	Indoor	kg	49					
	Outdoor	kg	60					
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.30 / Max.15					
Outdoor operating temperature range	Cooling	°C	-15~43*3					
	Heating	°C	-20~20					
Air filter, Q'ty			Plastic net x 1 (washable)					
Remote control			wired:RC-E5 (installed) wireless:RCN-KIT4-E2 (option)					

※1 Powerful-Hi can be selected.

Sound pressure level: 71VNXVD1 42dB(A), 100VN(S)XVD2 54dB(A), 125/140VN(S)XVD 54dB(A)

Air flow: 71VNXVD1 20m³/min, 100VN(S)XVD2 29m³/min, 125/140VN(S)XVD 29m³/min

NOTES:

The data are measured under the following conditions(ISO-T1).

Cooling:Indoor temp. of 27°CDB, 19°CWB, and outdoor temp. of 35°CDB. Heating:Indoor temp. of 20°CDB, and outdoor temp. of 7°CDB, 6°CWB.

*1 : Indicates the value in an anechoic chamber. During operation these values are somewhat higher due to ambient conditions.

*2 : The values are for one indoor unit operation.

*3 : If a cooling operation is conducted when the outdoor air temperature is -5°C or lower, the outdoor unit should be installed at a place where it is not influenced by natural wind. If wind blows, the low pressure will drop and compressor frequency will increase, this will cause the capacity to drop and may cause the unit to break down.

SPECIFICATIONS

The values are for simultaneous Multi operation.

			Hyper Inverter	
Set model name			FDF140VNX PVD1	FDF140VXS PVD1
			Twin	
Indoor unit			FDF71VD1	FDF71VD1
Outdoor unit			FDC140VNX	FDC140VXS
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	61 / 61	61 / 61
	Outdoor	Cooling/Heating	72 / 72	72 / 72
Sound pressure level*1 ※1	Indoor*2	Cooling (Hi/Me/Lo)	39 / 35 / 33	39 / 35 / 33
		Heating (Hi/Me/Lo)	39 / 35 / 33	39 / 35 / 33
	Outdoor	Cooling/Heating	49 / 52	49 / 52
Air flow ※1	Indoor*2	Cooling (Hi/Me/Lo)	16 / 14 / 12	16 / 14 / 12
		Heating (Hi/Me/Lo)	16 / 14 / 12	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	°C	-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)		

			Micro Inverter						
Set model name			FDF100VNVD2	FDF125VNVD	FDF140VNVD	FDF100VSD2	FDF125VSVD	FDF140VSVD	
Indoor unit			FDF100VD2	FDF125VD	FDF140VD	FDF100VD2	FDF125VD	FDF140VD	
Outdoor unit			FDC100VN	FDC125VN	FDC140VN	FDC100VS	FDC125VS	FDC140VS	
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)	14.0 (5.0 ~ 14.5)	10.0 (4.0 ~ 11.2)	12.5 (5.0 ~ 14.0)	14.0 (5.0 ~ 14.5)	
Nominal heating capacity (Min~Max)			kW 11.2 (4.0 ~ 12.5)	14.0 (4.0 ~ 16.0)	16.0 (4.0 ~ 16.5)	11.2 (4.0 ~ 12.5)	14.0 (4.0 ~ 16.0)	16.0 (4.0 ~ 16.5)	
Power consumption		Cooling/Heating	kW 3.12 / 3.10	4.40 / 4.36	5.15 / 5.31	3.12 / 3.10	4.40 / 4.36	5.15 / 5.31	
EER/COP		Cooling/Heating	3.21 / 3.61	2.84 / 3.21	2.72 / 3.01	3.21 / 3.61	2.84 / 3.21	2.72 / 3.01	
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	72 / 72	73 / 73	70 / 70	72 / 72	73 / 73
Sound pressure level*1 ※1	Indoor	Cooling (Hi/Me/Lo)		50 / 48 / 44	50 / 48 / 44	50 / 48 / 44	50 / 48 / 44	50 / 48 / 44	50 / 48 / 44
		Heating (Hi/Me/Lo)		50 / 48 / 44	50 / 48 / 44	50 / 48 / 44	50 / 48 / 44	50 / 48 / 44	50 / 48 / 44
Air flow ※1	Indoor	Cooling/Heating	49 / 49	50 / 51	51 / 51	49 / 49	50 / 51	51 / 51	
		Cooling (Hi/Me/Lo)	26 / 23 / 19	26 / 23 / 19	26 / 23 / 19	26 / 23 / 19	26 / 23 / 19	26 / 23 / 19	
	Outdoor	Heating (Hi/Me/Lo)	26 / 23 / 19	26 / 23 / 19	26 / 23 / 19	26 / 23 / 19	26 / 23 / 19	26 / 23 / 19	
		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			81			83		
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.30 / Max.15					
Outdoor operating temperature range	Cooling	°C	-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)						

※1 Powerful-Hi can be selected.

Sound pressure level: 140VN(S)XPVD1 42dB(A), 100VN(S)VD2 54dB(A), 125/140VN(S)VD 54dB(A)

Air flow: 140VN(S)XPVD1 18m³/min, 100VN(S)VD2 29m³/min, 125/140VN(S)VD 29m³/min

NOTES:

The data are measured under the following conditions(ISO-T1).

Cooling:Indoor temp. of 27°CDB, 19°CWB, and outdoor temp. of 35°CDB. Heating:Indoor temp. of 20°CDB, and outdoor temp. of 7°CDB, 6°CWB.

*1 : Indicates the value in an anechoic chamber. During operation these values are somewhat higher due to ambient conditions.

*2 : The values are for one indoor unit operation.

*3 : If a cooling operation is conducted when the outdoor air temperature is -5°C or lower, the outdoor unit should be installed at a place where it is not influenced by natural wind. If wind blows, the low pressure will drop and compressor frequency will increase, this will cause the capacity to drop and may cause the unit to break down.

SPECIFICATIONS

The values are for simultaneous Multi operation.

			Micro Inverter				
Set model name			FDF140VNPVD1	FDF140VSPVD1	FDF200VSAPVD2	FDF250VSAPVD	
			Twin				
Indoor unit			FDF71VD1	FDF71VD1	FDF100VD2	FDF125VD	
Outdoor unit			FDC140VN	FDC140VS	FDC200VSA	FDC250VSA	
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 ~ 14.5)	14.0 (5.0 ~ 14.5)	19.0 (5.2 ~ 22.4)	24.0 (6.9 ~ 28.0)	
Nominal heating capacity (Min~Max)			kW 16.0 (4.0 ~ 16.5)	16.0 (4.0 ~ 16.5)	22.4 (3.3 ~ 25.0)	27.0 (5.5 ~ 31.5)	
Power consumption		Cooling/Heating	kW 5.16 / 5.01	5.16 / 5.01	6.74 / 6.42	9.15 / 8.49	
EER/COP		Cooling/Heating	2.71 / 3.19	2.71 / 3.19	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 ※2	Indoor*2	Cooling (Hi/Me/Lo)		39 / 35 / 33	39 / 35 / 33	50 / 48 / 44	50 / 48 / 44
	Indoor*2	Heating (Hi/Me/Lo)		39 / 35 / 33	39 / 35 / 33	50 / 48 / 44	50 / 48 / 44
Air flow ※2	Indoor*2	Cooling/Heating		51 / 51	51 / 51	58 / 59	59 / 62
		Cooling (Hi/Me/Lo)		16 / 14 / 12	16 / 14 / 12	26 / 23 / 19	26 / 23 / 19
	Outdoor	Heating (Hi/Me/Lo)	16 / 14 / 12	16 / 14 / 12	26 / 23 / 19	26 / 23 / 19	
Exterior dimensions	Outdoor	Cooling/Heating	75 / 73	75 / 73	135 / 135	143 / 151	
	Indoor	HeightxWidthxDepth	mm 1,850 x 600 x 320				
Net weight	Indoor	kg	845 x 970 x 370		1,300 x 970 x 370	1,505 x 970 x 370	
	Outdoor		49		52		
Ref.piping size	Liquid/Gas	ømm	81	83	115	143	
			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.30 / Max.15				
Outdoor operating temperature range	Cooling	°C	-15~43*3		-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)				

			Standard Inverter		
Set model name			FDF71VNPVD1	FDF90VNPVD2	FDF100VNP1VD2
Indoor unit			FDF71VD1	FDF100VD2	FDF100VD2
Outdoor unit			FDC71VNP	FDC90VNP	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	2.63 / 2.08	2.79 / 2.25	3.19 / 3.09
EER/COP	Cooling/Heating		2.70 / 3.41	3.23 / 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	61 / 61	65 / 65	65 / 65
	Outdoor	Cooling/Heating	67 / 67	69 / 69	70 / 70
Sound pressure level*1 ※2	Indoor	Cooling (Hi/Me/Lo)	39 / 35 / 33	50 / 48 / 44	50 / 48 / 44
		Heating (Hi/Me/Lo)	39 / 35 / 33	50 / 48 / 44	50 / 48 / 44
Air flow ※2	Indoor	Cooling/Heating	54 / 54	57 / 55	57 / 61
			18 / 16 / 14	26 / 23 / 19	26 / 23 / 19
	Outdoor	Cooling/Heating	18 / 16 / 14	26 / 23 / 19	26 / 23 / 19
			36 / 36	63 / 49.5	75 / 79
Exterior dimensions	Indoor	HeightxWidthxDepth	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		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)		

*2 Powerful-Hi can be selected.

Sound pressure level: 42dB(A), 140VN(S)PVD1 42dB(A), 200VSAPVD2 54dB(A), 250VSAPVD 54dB(A), 71VNPVD1 42dB(A), 90VNPVD2 54dB(A), 100VNP1VD2 54dB(A)

Air flow: 140VN(S)PVD1 18m³/min, 200VSAPVD2 29m³/min, 250VSAPVD 29m³/min, 71VNPVD1 20m³/min, 90VNPVD2 29m³/min, 100VNP1VD2 29m³/min