

DUCT CONNECTED -High Static pressure- FDU



FDU 100/125/140VD

Wired
remote control



RC-E4
(Option)



RCH-E3
(Option)



FDU 200/250VD

Wireless
remote control



RCN-KIT3-E
(Option)

Fan control kit
(100~200Pa)



U-FCRA
[For 200/250VD]
(option)

SPECIFICATIONS

*Not available in 60Hz

		Micro Inverter	
Set model name		*FDU100VNV	*FDU125VNV
Indoor name		FDU100VD	FDU125VD
Outdoor name		FDC100VN	FDC125VN
Power source		1Phase 220-240V 50Hz	
Nominal cooling capacity (Min~Max)	ISO-T1(JIS)	kW	10.0 (4.0~11.2)
Nominal heating capacity (Min~Max)	ISO-T1(JIS)	kW	11.2 (4.0~12.5)
Power consumption	Cooling/Heating	kW	2.88/2.99
COP	Cooling/Heating		3.47/3.75
Energy label	Cooling/Heating		A/A
Inrush current (Max. running current)		A	5(25)
Sound pressure level*1	Indoor	dB(A)	Hi:42 Lo:37
Sound power level*1	Outdoor	dB(A)	49
Air flow	Indoor	CMM	Hi:34 Lo:27
External static pressure	Outdoor	Pa	Hi:42 Lo:33.5
Exterior dimensions	Height x Width x Depth	mm	Cooling:75 Heating:73
Net weight		kg	Standard:50, Max:130
Air filter, Q'ty			350x1,370x650
Remote control(option)			63
Exterior dimensions	Height x Width x Depth	mm	Procure locally
Net weight		kg	Wired:RC-E4, RCH-E3 Wireless:RCN-KIT3-E
Type of compressor			845x970x370
Ref.amount precharged		kg(m)	81
Ref.piping size	Liquid/Gas	ø	Rotary
Ref.piping length		m	3.8(30)
Vertical height difference	O/U is higher	m	9.52/15.88
Operating temperature range	O/U is lower	m	50
	Cooling	O/U	30
	Heating	O/U	15

SPECIFICATIONS

			Micro Inverter					
Set model name			*FDU140VNV	*FDU100VSD	*FDU125VSD	*FDU140VSD	FDU200VSD	FDU250VSD
Indoor name			FDU140VD	FDU100VD	FDU125VD	FDU140VD	FDU200VD	FDU250VD
Outdoor name			FDC140VN	FDC100VS	FDC125VS	FDC140VS	FDC200VS	FDC250VS
Power source			1Phase 220-240V 50Hz	3Phase 380-415V 50Hz			3Phase 380-415V 50Hz, 3Phase 380V 60Hz	
Nominal cooling capacity (Min~Max)	ISO-T1(JIS)	kW	14.0 (5.0~14.5)	10.0 (4.0~11.2)	12.5 (5.0~14.0)	14.0 (5.0~14.5)	20.0 (7.0~22.4)	25.0 (10.0~28.0)
Nominal heating capacity (Min~Max)	ISO-T1(JIS)	kW	16.0 (4.0~16.5)	11.2 (4.0~12.5)	14.0 (4.0~16.0)	16.0 (4.0~16.5)	22.4 (7.6~25.0)	28.0 (9.5~31.5)
Power consumption	Cooling/Heating	kW	4.95/4.43	2.88/2.99	4.04/3.79	4.95/4.43	50Hz:6.59/6.08 60Hz:6.58/5.84	50Hz: 9.91/8.50 60Hz:10.21/8.22
COP	Cooling/Heating		2.83/3.61	3.47/3.75	3.09/3.69	2.83/3.61	50Hz:3.03/3.68 60Hz:3.04/3.83	50Hz:2.52/3.29 60Hz:2.45/3.41
Energy label	Cooling/Heating		C/A	A/A	B/A	C/A	B/A	50Hz:E/C 60Hz:E/B
Inrush current (Max. running current)		A	5(28)	5(16)	5(18)	5(19)	5(24)	5(27)
Sound pressure level*1	Indoor	dB(A)	Hi:43 Lo:38	Hi:42 Lo:37	Hi:43 Lo:38		51	52
Sound power level*1	Outdoor	dB(A)	51	49	Cooling:50 Heating:51	51	57	Cooling:57 Heating:58
Air flow	Indoor	CMM	Hi:42 Lo:33.5	Hi:34 Lo:27	Hi:42 Lo:33.5		50Hz:51, 60Hz:60	50Hz:68, 60Hz:80
External static pressure *2	Outdoor	Pa	Cooling:75 Heating:73				Cooling:150 Heating:145	
Exterior dimensions	Height x Width x Depth	mm	Standard:50, Max:130				Standard:100, Max:200	
Net weight		kg	350x1,370x650				360x1,570x830	
Air filter, Q'ty			63				92	
Remote control(option)			Procure locally					
Exterior dimensions	Height x Width x Depth	mm	Wired:RC-E4, RCH-E3 Wireless:RCN-KIT3-E					
Net weight		kg	845x970x370				1,300x970x370	
Type of compressor			81				83	
Ref.amount precharged		kg(m)	Rotary				Scroll	
Ref.piping size	Liquid/Gas	ø	3.8(30)				5.4(30)	
Ref.piping length		m	9.52/15.88				7.2(30)	
Vertical height difference	O/U is higher	m	9.52/25.4				12.7/25.4	
Operating temperature range	O/U is lower	m	50				70	
	Cooling	O/U	30				15	
	Heating	O/U	-20~20				-15~43 *3	
							-15~20	

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. External static pressure of FDU100/125/140 is 60Pa and that of FDU200/250 is 100Pa.

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

*2 : External static pressure is changeable to be set by the remote control. Standard external static pressure is factory setting. MAX external static pressure is "High static pressure" setting. The values of sound pressure level become 5dB(A) higher at external static pressure of 130Pa.

*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.