

Micro Inverter [INDOOR UNIT]

DUCT CONNECTED -Low/Middle Static pressure-

FDUM



FDUM 100/125/140VD



Filter kit
UM-FL3E : for 100, 125, 140
(option)

external static pressure loss:5pa

Wired remote control



RC-E4
(Option)



RCH-E3
(Option)

Wireless remote control



RCN-KIT3-E
(Option)

SPECIFICATIONS

			Micro Inverter					
Set model name			FDUM100VNVD	FDUM125VNVD	FDUM140VNVD	FDUM100VSVD	FDUM125VSVD	FDUM140VSVD
Indoor name			FDUM100VD	FDUM125VD	FDUM140VD	FDUM100VD	FDUM125VD	FDUM140VD
Outdoor name			FDC100VN	FDC125VN	FDC140VN	FDC100VS	FDC125VS	FDC140VS
Power source			1Phase 220-240V 50Hz, 1Phase 220V 60Hz			3Phase 380-415V 50Hz, 3Phase 380V 60Hz		
Nominal cooling capacity (Min~Max)	ISO-T1(JIS)	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)	ISO-T1(JIS)	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	50Hz:2.80/2.77 60Hz:2.80/2.80	50Hz:4.03/3.80 60Hz:4.03/3.85	50Hz:4.95/4.89 60Hz:4.95/4.91	50Hz:2.80/2.77 60Hz:2.80/2.80	50Hz:4.03/3.80 60Hz:4.03/3.85	50Hz:4.95/4.89 60Hz:4.95/4.91
COP	Cooling/Heating		50Hz:3.57/4.04 60Hz:3.57/4.00	50Hz:3.10/3.68 60Hz:3.10/3.64	50Hz:2.83/3.27 60Hz:2.83/3.26	50Hz:3.57/4.04 60Hz:3.57/4.00	50Hz:3.10/3.68 60Hz:3.10/3.64	50Hz:2.83/3.27 60Hz:2.83/3.26
Energy label	Cooling/Heating		A/A	B/A	C/C	A/A	B/A	C/C
Inrush current (Max. running current)	A		5(24)			5(15)		
Sound pressure level*1 ※	Indoor Outdoor	dB(A)	Hi:37 Me:35 Lo:32 49		Hi:38 Me:36 Lo:33 Cooling:50 Heating:51	51	Hi:37 Me:35 Lo:32 49	Hi:38 Me:36 Lo:33 Cooling:50 Heating:51
Sound power level*1	Outdoor	dB(A)	70	72	73	70	72	73
Air flow ※	Indoor Outdoor	CMM	Hi:28 Me:25 Lo:22 Cooling:75 Heating:73					
Static pressure		Pa	Standard:60, Max:90/100	Standard:60/55, Max:85/100		Standard:60, Max:90/100	Standard:60/55, Max:85/100	
Indoor unit	Exterior dimensions	Height x Width x Depth	mm 350x1,370x635					
	Net weight		kg 59					
	Air filter, Q'ty		Procure locally					
Remote control(option)			Wired:RC-E4, RCH-E3 Wireless:RCN-KIT3-E					
Outdoor unit	Exterior dimensions	Height x Width x Depth	mm 845x970x370					
	Net weight		kg 81		kg 83			
	Type of compressor		Rotary					
	Ref.amount precharged		kg(m) 3.8(30)					
	Ref.piping size	Liquid/Gas	ø 9.52/15.88					
	Ref.piping length		m 50					
	Vertical height difference	O/U is higher O/U is lower	m m	30 15				
Range of usage	Operating temperature range	Cooling	O/U -15~43*2					
		Heating	O/U -20~20					

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 indoor units is 60Pa.

*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.

※ Powerful-Hi can be selected. Sound level: 100/125/140VNVD 41dB, 100/125/140VSVD 41dB

Air flow: 100/125/140VNVD 34CMM, 100/125/140VSVD 34CMM