

DUCT CONNECTED -Middle Static pressure-

FDUM



Filter kit (option)

UM-FL1EF : for 40, 50
UM-FL2EF : for 60, 71
UM-FL3EF : for 100, 125, 140

external static pressure loss:5Pa



FDUM 40/50/60/71/
100/125/140

Remote control (Option)

Wired



Wireless

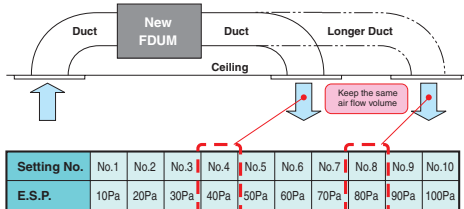


Automatic external static pressure (E.S.P.) control

Duct design was simplified.

Using DC motor, the most optimum air flow volume can be achieved by this automatic control.

Indoor unit will recognize external static pressure by itself automatically and keep rated air flow volume.



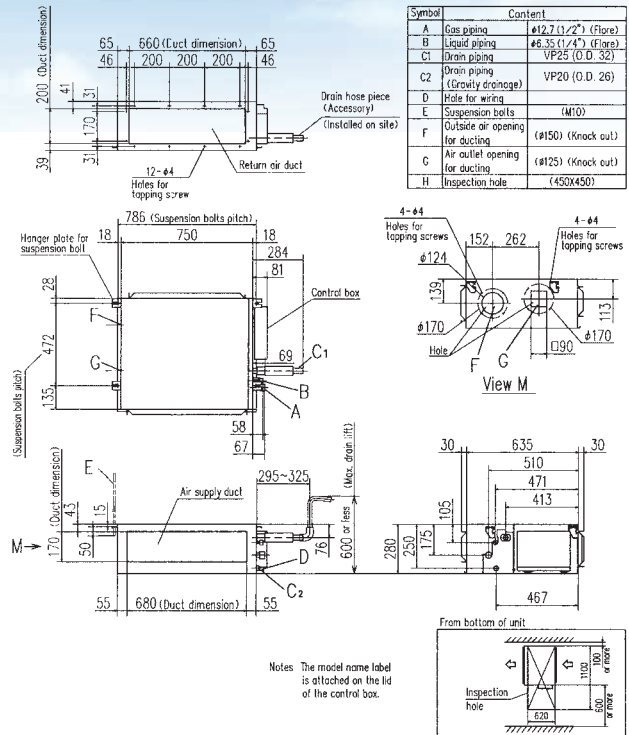
E.S.P. button

External Static Pressure (E.S.P.) can be set by E.S.P. button.

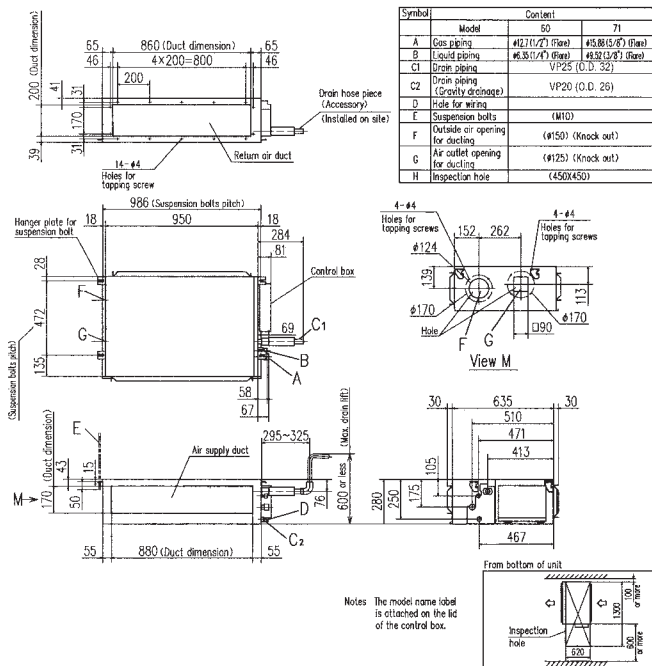


Dimensions (Unit:mm)

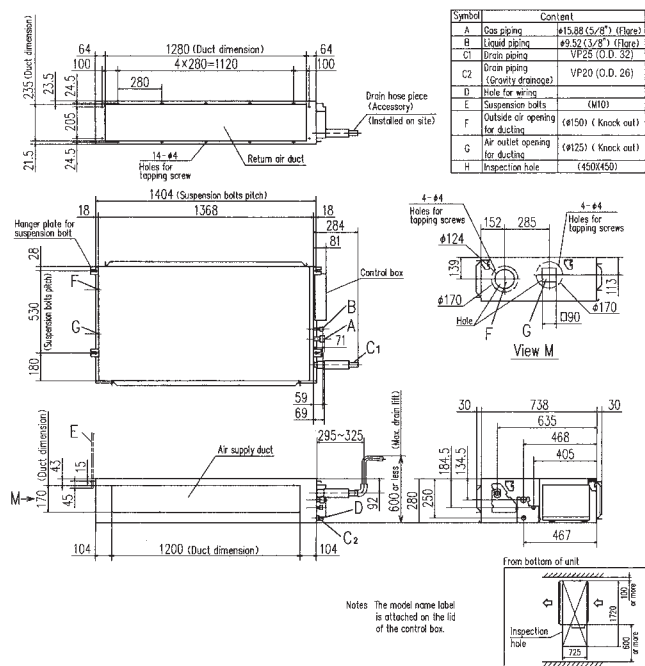
Model FDUM40VF, FDUM50VF



Models FDUM60VF,71VF1



Models FDUM100VF1,125VF,140VF



Round duct adapter

In case of requirements of round duct adapter, please access the followings for details.



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SPECIFICATIONS

				Hyper Inverter					
Set model name				FDUM40ZMXVF	FDUM50ZMXVF	FDUM60ZMXVF	FDUM71VNXVF1	FDUM100VNXVF1	
Indoor unit				FDUM40VF	FDUM50VF	FDUM60VF	FDUM71VF1	FDUM100VF1	
Outdoor unit				SRC40ZMX-S	SRC50ZMX-S	SRC60ZMX-S	FDC71VNX	FDC100VNX	
Power source				1 Phase 220-240V 50Hz, 1 Phase 220V 60Hz					
Nominal cooling capacity (Min~Max)			kW	4.0 (1.1 ~ 4.7)	5.0 (1.1 ~ 5.6)	5.6 (1.1 ~ 6.3)	7.1 (3.2 ~ 8.0)	10.0 (4.0 ~ 11.2)	
Nominal heating capacity (Min~Max)			kW	4.5 (0.6 ~ 5.4)	5.4 (0.6 ~ 6.3)	6.7 (0.6 ~ 7.1)	8.0 (3.6 ~ 9.0)	11.2 (4.0 ~ 12.5)	
Power consumption		Cooling/Heating	kW	0.952 / 1.07	1.38 / 1.45	1.54 / 1.75	2.03 / 1.99	2.68 / 3.02	
EER/COP		Cooling/Heating		4.20 / 4.21	3.62 / 3.72	3.64 / 3.83	3.50 / 4.02	3.73 / 3.71	
Inrush current		220/230/240 V	A	5	5	5	5	5	
Max. running current				12	15	15	17	24	
Sound power level*1	Indoor	Cooling/Heating	dB(A)	60 / 60	60 / 60	60 / 60	65 / 65	65 / 65	
	Outdoor	Cooling/Heating		63 / 63	63 / 63	64 / 64	66 / 66	70 / 70	
Sound pressure level*1 ※	Indoor	Cooling (Hi/Me/Lo)		32 / 29 / 26	32 / 29 / 26	31 / 28 / 25	33 / 29 / 25	38 / 36 / 30	
		Heating (Hi/Me/Lo)		32 / 29 / 26	32 / 29 / 26	31 / 28 / 25	33 / 29 / 25	38 / 36 / 30	
Air flow ※	Indoor	Cooling/Heating	m³/min	50 / 50	54 / 50	54 / 54	51 / 48	48 / 50	
	Outdoor	Cooling (Hi/Me/Lo)		10 / 9 / 8	10 / 9 / 8	15 / 13 / 10	19 / 15 / 10	28 / 25 / 19	
		Heating (Hi/Me/Lo)		10 / 9 / 8	10 / 9 / 8	15 / 13 / 10	19 / 15 / 10	28 / 25 / 19	
		Cooling/Heating		36 / 33	40 / 33	41.5 / 39	60 / 50	100 / 100	
External static pressure*2			Pa	Standard:35 Max:100					Standard:60 Max:100
Exterior dimensions	Indoor	HeightxWidthxDepth	mm	280 x 750 x 635		280 x 950 x 635		280 x 1,370 x 740	
	Outdoor			640 x 800(+71) x 290		750 x 880(+88) x 340		1,300 x 970 x 370	
Net weight	Indoor		kg	29		34		54	
	Outdoor			45		60		105	
Ref.piping size		Liquid/Gas	ømm	6.35(1/4") / 12.7(1/2")			9.52(3/8") / 15.88(5/8")		
Refrigerant line (one way) length			m	Max.30			Max.50	Max.100	
Vertical height differences		Outdoor is higher/lower	m	Max.20 / Max.20			Max.30 / Max.15		
Outdoor operating temperature range	Cooling		°C	-15~43*3					
	Heating								
Air filter				Filter kit : UM-FL1EF/UM-FL2EF/UM-FL3EF (option)					
Remote control (option)				wired:RC-EX1A, RC-E5, RCH-E3 wireless:RCN-KIT3-E					

SPECIFICATIONS

			Hyper Inverter										
Set model name			FDUM125VNXVF		FDUM140VNXVF		FDUM100VSXVF1		FDUM125VSXVF		FDUM140VSXVF		
Indoor unit			FDUM125VF		FDUM140VF		FDUM100VF1		FDUM125VF		FDUM140VF		
Outdoor unit			FDC125VNX		FDC140VNX		FDC100VSX		FDC125VSX		FDC140VSX		
Power source			1 Phase 220-240V 50Hz, 1 Phase 220V 60Hz				3 Phase 380-415V 50Hz, 3Phase 380V 60Hz						
Nominal cooling capacity (Min~Max)			kW	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	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	3.49 / 3.77		4.28 / 4.42		2.68 / 3.02		3.49 / 3.77		4.28 / 4.42	
EER/COP		Cooling/Heating		3.58 / 3.71		3.27 / 3.62		3.73 / 3.71		3.58 / 3.71		3.27 / 3.62	
Inrush current		220/230/240 V	A	5		5		5		5		5	
Max. running current				26		26		15		15		15	
Sound power level*1	Indoor	Cooling/Heating	dB(A)	67 / 67		70 / 70		65 / 65		67 / 67		70 / 70	
	Outdoor	Cooling/Heating		70 / 70		72 / 72		70 / 70		70 / 70		72 / 72	
Sound pressure level*1 ※	Indoor	Cooling (Hi/Me/Lo)	dB(A)	40 / 34 / 29		40 / 35 / 30		38 / 36 / 30		40 / 34 / 29		40 / 35 / 30	
		Heating (Hi/Me/Lo)		40 / 34 / 29		40 / 35 / 30		38 / 36 / 30		40 / 34 / 29		40 / 35 / 30	
	Outdoor	Cooling/Heating		48 / 50		49 / 52		48 / 50		48 / 50		49 / 52	
Air flow ※	Indoor	Cooling (Hi/Me/Lo)	m³/min	32 / 26 / 20		35 / 28 / 22		28 / 25 / 19		32 / 26 / 20		35 / 28 / 22	
				Heating (Hi/Me/Lo)	32 / 26 / 20		35 / 28 / 22		28 / 25 / 19		32 / 26 / 20		35 / 28 / 22
	Outdoor	Cooling/Heating		100 / 100		100 / 100		100 / 100		100 / 100		100 / 100	
External static pressure*2				Pa	Standard:60 Max:100								
Exterior dimensions	Indoor	HeightxWidthxDepth	mm	280 x 1,370 x 740									
	Outdoor			1,300 x 970 x 370									
Net weight	Indoor		kg	54									
	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				Filter kit : UM-FL3EF (option)									
Remote control (option)				wired:RC-EX1A, RC-E5, RCH-E3 wireless:RCN-KIT3-E									

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 is 35Pa (40/50/60/71), 60Pa (100/125/140).

*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. MAX external static pressure is "High static pressure" setting. The values of sound pressure level become 5dB(A) higher at external static pressure of 100Pa.

*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.

※ Powerful-Hi can be selected. Sound level: 40ZMXVF/50ZMXVF 37dB, 60ZMXVF 36dB, 71VNXVF1 38dB, 100VN(S)XVF1 44dB, 125VN(S)XVF 45dB, 140VN(S)XVF 47dB
Air flow: 40ZMXVF/50ZMXVF 13m³/min, 60ZMXVF 20m³/min, 71VNXVF1 24m³/min, 100VN(S)XVF1 36m³/min, 125VN(S)XVF 39m³/min, 140VN(S)XVF 48m³/min