MONOSPLIT SUPER

COLUMN

FDF 100-125-140 VH

OPTIONAL

- Ideal for restaurants, shops and officies applications, without false ceiling or high ceilings
- **50 m** Splitting distance
- Wide and powerful air flow
- Easy transport and installation
- The wired control has a alarm function in case of gas leakage. The gas sensor is on the base of the unit

Indoor unit model			FDF 100 VH	FDF 100 VH	FDF 125 VH	FDF 125 VH	FDF 140 VH	FDF 140 VH
Outdoor unit model			FDC 100 VNA-W	FDC 100 VSA-W	FDC 125 VNA-W	FDC 125 VSA-W	FDC 140 VNA-W	FDC 140 VSA-W
Type			DC-Inverter heat pump					
Control (included)			Wired control TOUCH with gas leak alarm					
Nominal data								
Rated capacity (T=+35°C)	Cooling	kW	10.00 (4.00~11.20)		12.50 (5.00~14.00)		13.60 (5.00~14.50)	
Rated power input (T=+35°C)		kW	3.08		4.65		5.35	
Rated energy efficiency coefficient		EER[1]	3.25		2.69		2.54	
Rated capacity (T=+7°C)	Heating	kW	11.20 (4.00~12.50)		14.00 (4.00~16.00)		15.50 (4.00~16.50)	
Rated power input (T=+7°C)		kW	2.94		4.10		4.98	
Rated energy performance coefficient		COP[1]	3.81		3.42		3.11	
Seasonal data								
Design load (Pdesignc)	Cooling	kW	10.00		12.50		13.60	
Seasonal energy efficiency index		SEER[2]	5.76		5.28		5.13	
Seasonal energy efficiency class		626/2011[3]	A++		-		-	
Annual energy consumption		kWh/y	608		-		-	
Design load (Pdesignh) @ -10°C	Heating (average climate conditions)	kW	8.50		14.00		15.50	
Seasonal energy efficiency index		SCOP[2]	4.00		3.89		3.92	
Seasonal energy efficiency class		626/2011[3]	A+		-		-	
Annual energy consumption		kWh/y	2973		-		-	
Electrical data								
Power supply	Outdoor unit	Ph-V-Hz	1-220~240V-50Hz	3-380~415V-50Hz	1-220~240V-50Hz	3-380~415V-50Hz	1-220~240V-50Hz	3-380~415V-50Hz
Power cable		Type	3 x 6 mm^2	5 x 4 mm^2	3 x 6 mm^2	5 x 4 mm^2	3 x 6 mm^2	5 x 4 mm^2
Connection wires between I.U. and O.U.		nb.	4	4	4	4	4	4
Nominal absorbed current	Cooling	A	14.90	4.80	21.50	7.20	24.00	8.40
	Heating	A	14.40	4.60	19.20	6.30	22.10	7.90
Maximum current		A	24.00	15.00	24.00	15.00	24.00	15.00
Max power input		kW	6.40	10.20	6.40	10.20	6.40	10.20
Refrigerant circuit data								
Refrigerant[4]		Type (GWP)	R32 (675)					
Quantity of refrigerant pre-charge		Kg	3.3		3.3		3.3	
Tons of CO2 equivalent		t	2.228		2.228		2.228	
Diameter of refrigerant pipings liquid/gas		mm (inches)	ø9.52 (3/8") - ø15.88(5/8")		ø9.52 (3/8") - ø15.88(5/8")		ø9.52 (3/8") - ø15.88(5/8")	
Max splitting distance		m	50		50		50	
Splitting level difference I.U./O.U.	O.U. above/O.U. below	m	50/15		50/15		50/15	
Splitting distance without additional charge		m	30		30		30	
Additional charge		g/m	54		54		54	
Indoor unit specifications								
Dimensions	LxDxH	mm	600x329x1850		600x329x1850		600x329x1850	
Net weight		Kg	49		49		49	
Sound power level	Max	dB(A)	65		67		67	
Sound pressure level	P-Hi/Hi/Me/Lo	dB(A)	53/51/49/44		55/51/49/44		55/51/49/44	
Volume of air treated	P-Hi/Hi/Me/Lo	m^3/h	1620/1560/1380/1140		1740/1560/1380/1140		1740/1560/1380/1140	
Refrigerant gas leak detector			Integrated					
Outdoor unit specifications								
Dimensions	LxDxH	mm	970x370x845		970x370x845		970x370x845	
Net weight		Kg	77	78	77	78	77	78
Sound power level	Max	dB(A)	70		71		73	
Sound pressure level	Max	dB(A)	55		56		58	
Volume of air treated	Max	m^3/h	4500		4500		4500	
Operating range (outdoor temperature)	Cooling	°C	-15~+50					
	Heating	°C	-20~+20					
Optional parts								
Wi-Fi module			INWFIMHI001R100					
Human sensor (KIT)			LB-KIT2					
SUPERLINK II interface			SC-ADNA-E					
IR remote control (KIT)			RCN-KIT4-E2					

1. Value measured according to the harmonised standard EN 14511. 2. EU Regulation No. 206/2012 - - Value measured according to the harmonised standard EN 14825. 3. Delegated Regulation (EU) No 626/2011 regarding the new energy labelling of air conditioners. 4. Refrigerant leakage contributes to climate change. When released into the atmosphere, refrigerants with a lower global warming potential (GWP) contribute less to global warming than those with a higher GWP. This appliance contains a refrigerant with a GWP of 675. If 1 kg of this refrigerant fluid were released into the atmosphere, therefore, the impact on global warming would be 675 times higher than 1 kg of CO2, over a period of 100 years. Under no circumstances should the user try to intervene on the refrigerant circuit or disassemble the product. Always contact qualified personnel if necessary.