

# MONOSPLIT SUPER

## Column



FDF 100-125-140 VH

- Ideal for restaurants, shops and offices applications, without false ceiling or high ceilings
- **50 m**  
Split length
- Wide and powerful air flow
- Ease 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					
<b>Nominal data</b>								
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)	
		kW	3.08		4.65		5.35	
		EER1	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)	
		kW	2.94		4.10		4.98	
		COP1	3.81		3.42		3.11	
<b>Seasonal data</b>								
Theoretical load (Pdesignc)	Cooling	kW	10.00		12.50		13.60	
		SEER2	5.76		5.28		5.13	
		626/20113	A++		-		-	
Annual energy consumption	Heating (average climate conditions)	kWh/a	608		-		-	
		Theoretical load (Pdesignh) @-10°C	8.50		14.00		15.50	
		SCOP2	4.00		3.89		3.92	
Seasonal energy efficiency class	626/20113	A+		-		-		
		kWh/a	2973		-		-	
<b>Electrical data</b>								
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 <sup>2</sup>	5 x 4 mm <sup>2</sup>	3 x 6 mm <sup>2</sup>	5 x 4 mm <sup>2</sup>	3 x 6 mm <sup>2</sup>	5 x 4 mm <sup>2</sup>
Connection wires between I.U. and O.U.		no.	4	4	4	4	4	4
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
Maximum absorbed power		kW	6.40	10.20	6.40	10.20	6.40	10.20
<b>Refrigerant circuit</b>								
Refrigerant <sup>4</sup>		Type (GWP)	R32 (675)					
Quantity refrigerant pre-load		Kg	3.3		3.3		3.3	
Tons of CO2 equivalent		t	2.228		2.228		2.228	
Diameter of refrigerant piping on 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 length		m	50		50		50	
Max height difference I.U./O.U.	O.U. above/O.U. under	m	50/15		50/15		50/15	
Split length without additional charge		m	30		30		30	
Additional load		g/m	54		54		54	
<b>Indoor unit specifications</b>								
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	
Treated air volume	P-Hi/Hi/Me/Lo	m <sup>3</sup> /h	1620/1560/1380/1140		1740/1560/1380/1140		1740/1560/1380/1140	
Refrigerant gas leak detector			Included					
<b>Outdoor unit specifications</b>								
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	
Treated air volume	Max	m <sup>3</sup> /h	4500		4500		4500	
Operating limits (outside temperature)	Cooling	°C	-15~+50		-15~+50		-15~+50	
	Heating	°C	-20~+20		-20~+20		-20~+20	
<b>Optional parts</b>								
Wi-Fi module			INWFIMHI001R000					
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 CO<sub>2</sub> 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.