MONOSPLIT SMART

Column

FDF 71-100 VH

OPTIONAL

- Ideal for restaurants, shops and officies applications, without false ceiling or high ceilings
- **25 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 71 VH	FDF 100 VH	FDF 100 VH
Outdoor unit model			FDC 71 VNP-W	FDC 90 VNP-W	FDC 100 VNP-W
Type			DC-Inverter heat pump		
Control (included)			Wired control TOUCH with gas leak alarm		
Nominal data					
Rated capacity (T=+35°C)	Cooling	kW	7.10 (1.50~7.30)	9.00 (2.10~9.50)	10.00 (2.10~10.20)
Rated absorbed power (T=+35°C)		kW	2.51	2.5	3.39
Rated energy efficiency coefficient		EER[1]	2.82	3.60	2.95
Rated capacity (T=+7°C)	Heating	kW	7.10 (1.10~7.30)	9.00 (1.70~9.50)	10.00 (1.70~10.40)
Rated absorbed power (T=+7°C)		kW	2.02	2.24	2.71
Rated energy performance coefficient		COP[1]	3.51	4.02	3.69
Seasonal data					
Theoretical load (Pdesignc)	Cooling	kW	7.10	9.00	10.00
Seasonal energy efficiency index		SEER[2]	5.85	5.91	5.43
Seasonal energy efficiency class		626/2011[3]	A+	A+	A
Annual energy consumption		kWh/a	425	535	645
Theoretical load (Pdesignh) @-10°C	Heating (average climate conditions)	kW	5.70	6.00	6.40
Seasonal energy efficiency index		SCOP[2]	3.91	4.24	3.94
Seasonal energy efficiency class		626/2011[3]	A	A+	A
Annual energy consumption		kWh/a	2039	1981	2274
Electrical data					
Power supply	Outdoor unit	Ph-V-Hz	1-220~240V-50Hz		
Power cable		Type	3 x 4 mm^2	3 x 4 mm^2	3 x 4 mm^2
Connection wires between I.U. and O.U.		no.	4	4	4
Absorbed current	Cooling	A	11.10	11.10	15.00
	Heating	A	9.10	9.90	12.00
Maximum current		A	15.80	19.00	19.00
Maximum absorbed power		kW	3.58	4.46	4.46
Refrigerant circuit					
Refrigerant[4]		Type (GWP)	R32 (675)		
Quantity refrigerant pre-load		Kg	1.3	1.7	1.7
Tons of CO2 equivalent		t	0.878	1.148	1.148
Diameter of refrigerant piping on liquid/gas		mm (inches)	ø6.35(1/4") - ø12.7(1/2")	ø6.35 (1/4") - ø15.88 (5/8")	ø6.35 (1/4") - ø15.88 (5/8")
Max splitting length		m	26	25	25
Max height difference I.U./O.U.		m	20	20	20
Split length without additional charge		m	11	10	10
Additional load		g/m	20	20	20
Indoor unit specifications					
Dimensions	LxDxH	mm	600x329x1850	600x329x1850	600x329x1850
Net weight		Kg	47	49	49
Sound power level	Max	dB(A)	55	65	65
Sound pressure level	P-Hi/Hi/Me/Lo	dB(A)	42/39/35/33	53/51/49/44	53/51/49/44
Treated air volume	P-Hi/Hi/Me/Lo	m^3/h	1080/960/840/720	1620/1560/1380/1140	1620/1560/1380/1140
Refrigerant gas leak detector			Included		
Outdoor unit specifications					
Dimensions	LxDxH	mm	800(+71)x290x640	800(+71)x340x750	880(+88)x340x750
Net weight		Kg	45	57	57
Sound power level	Max	dB(A)	67	67	68
Sound pressure level	Max	dB(A)	54	55	56
Treated air volume	Max	m^3/h	2520	3540	3780
Operating limits (outside temperature)	Cooling	°C	-15~+46		
	Heating	°C	-15~+20		
Optional parts					
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 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.

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