

MONOSPLIT SMART

COLUMN R32



FDF 71-100 VH

- Ideal for restaurants, shops and offices applications, without false ceiling or high ceilings
- **25 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 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)
		kW	2.51	2.5	3.39
		EER1	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)
		kW	2.02	2.24	2.71
		COP1	3.51	4.02	3.69
Seasonal data					
Design load (Pdesignc)	Cooling	kW	7.10	9.00	10.00
		SEER2	5.85	5.91	5.43
		626/20113	A+	A+	A
Annual energy consumption	Heating (average climate conditions)	kWh/y	425	535	645
		kW	5.70	6.00	6.40
		SCOP2	3.91	4.24	3.94
Seasonal energy efficiency (ηs)	Heating (average climate conditions)	%	153.40	166.60	154.60
		626/20113	A	A+	A
		kWh/y	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	
Connection wires between I.U. and O.U.		nb.	4	4	
Nominal absorbed current	Cooling	A	11.10	11.10	
	Heating	A	9.10	9.90	
Maximum current		A	15.80	19.00	
Max power input		kW	3.58	4.46	
Refrigerant circuit data					
Refrigerant ⁴	Type (GWP)	R32 (675)			
Quantity of refrigerant pre-charge	Kg	1.3	1.7	1.7	
Tons of CO ₂ equivalent	t	0.878	1.148	1.148	
Diameter of refrigerant pipings 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")	
Splitting distance	m	26	25	25	
Splitting level difference I.U./O.U.	m	20	20	20	
Splitting distance without additional charge	m	11	10	10	
Additional charge	g/m	20	20	20	
Indoor unit specifications					
Dimensions	LxDxH	mm	600x329x1850	600x329x1850	
Net weight		Kg	47	49	
Sound power level	Max	dB(A)	55	65	
Sound pressure level	P-Hi/Hi/Me/Lo	dB(A)	42/39/35/33	53/51/49/44	
Volume of air treated	P-Hi/Hi/Me/Lo	m ³ /h	1080/960/840/720	1620/1560/1380/1140	
Refrigerant gas leak detector			Included		
Outdoor unit specifications					
Dimensions	LxDxH	mm	800(+71)x290x640	800(+71)x340x750	
Net weight		Kg	45	57	
Sound power level	Max	dB(A)	67	67	
Sound pressure level	Max	dB(A)	54	55	
Volume of air treated	Max	m ³ /h	2520	3540	
Operating range (outdoor temperature)	Cooling	°C	-15~+46		
	Heating	°C	-15~+20		
Optional parts					
Wi-Fi module			INWFIMH1001R100		
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-N 2281/2016 - 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.