

MONOSPLIT HYPER

Column



FDf 71-100-125-140 VH

- Ideal for restaurants, shops and offices applications, without false ceiling or high ceilings
- **100 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 125 VH	FDf 140 VH	
Outdoor unit model		FDC 71 VNX-W	FDC 100 VSX-W	FDC 125 VSX-W	FDC 140 VSX-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 (3.20~8.00)	10.00 (3.50~11.20)	12.50 (3.50~14.00)	14.00 (3.50~16.00)
Rated absorbed power (T=+35°C)		kW	1.97	2.66	3.74	4.62
Rated energy efficiency coefficient		EER ¹	3.61	3.76	3.34	3.03
Rated capacity (T=+7°C)	Heating	kW	8.00 (3.60~9.00)	11.20 (2.70~16.00)	14.00 (2.70~18.00)	16.00 (2.70~20.00)
Rated absorbed power (T=+7°C)		kW	2.21	2.95	3.88	4.70
Rated energy performance coefficient		COP ¹	3.62	3.80	3.61	3.41
Seasonal data						
Theoretical load (Pdesignc)	Cooling	kW	7.10	10.00	12.50	14.00
Seasonal energy efficiency index		SEER ²	6.25	6.10	5.95	5.75
Seasonal energy efficiency class		626/20113	A++	A++	-	-
Annual energy consumption		kWh/a	376	574	-	-
Theoretical load (Pdesignh) @-10°C	Heating (average climate conditions)	kW	6.00	11.20	14.00	16.00
Seasonal energy efficiency index		SCOP ²	4.03	3.84	3.78	3.65
Seasonal energy efficiency class		626/20113	A+	A	-	-
Annual energy consumption		kWh/a	2085	4084	-	-
Electrical data						
Power supply	Outdoor unit	Ph-V-Hz	1-220~240V-50Hz	3-380~415V-50Hz		
Power cable		Type	3 x 4 mm ²	5 x 4 mm ²	5 x 4 mm ²	5 x 4 mm ²
Connection wires between I.U. and O.U.		no.	4	4	4	4
Absorbed current	Cooling	A	8.70	4.60	6.10	7.40
	Heating	A	9.90	5.00	6.40	7.70
Maximum current		A	19.10	14.00	14.00	14.00
Maximum absorbed power		kW	4.11	8.90	8.90	8.90
Refrigerant circuit						
Refrigerant ⁴		Type (GWP)	R32 (675)			
Quantity refrigerant pre-load		Kg	2.75	4	4	4
Tons of CO ₂ equivalent		t	1.856	2.700	2.700	2.700
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")	ø9.52 (3/8") - ø15.88(5/8")
Max splitting length	Min/Max	m	-/50	3/100	3/100	3/100
Max height difference I.U./O.U.	O.U. above/O.U. under	m	30/15	50/15	50/15	50/15
Split length without additional charge		m	30	30	30	30
Additional load		q/m	54	54	54	54
Indoor unit specifications						
Dimensions	LxDxH	mm	600x329x1850	600x329x1850	600x329x1850	600x329x1850
Net weight		Kg	47	49	49	49
Sound power level	Max	dB(A)	55	65	67	67
Sound pressure level	P-Hi/Hi/Me/Lo	dB(A)	42/39/35/33	53/51/49/44	55/51/49/44	55/51/49/44
Treated air volume	P-Hi/Hi/Me/Lo	m ³ /h	1080/960/840/720	1620/1560/1380/1140	1740/1560/1380/1140	1740/1560/1380/1140
Refrigerant gas leak detector			Included			
Outdoor unit specifications						
Dimensions	LxDxH	mm	880(+88)x340x750	970x370x1300	970x370x1300	970x370x1300
Net weight		Kg	60	99	99	99
Sound power level	Max	dB(A)	66	67	70	71
Sound pressure level	Max	dB(A)	51	53	54	54
Treated air volume	Max	m ³ /h	3600	6000	6000	6000
Operating limits (outside temperature)	Cooling	°C	-15~+50			
	Heating	°C	-20~+20			
Optional parts						
Wi-Fi module			INWFIMH001R000			
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.