

MONOSPLIT SMART

Ducted with high adjustable head



FDU 71-100-125 VH

- **max 200**
Fan pressure head
- Unit with bottom or rear air intake
- **280 mm**
Height
- **30 m**
Split length
- ESP function: automatic maintenance of the air flow rate as flow resistance varies
- Filter not included
- Compatible with **AIRZONE** systems

Indoor unit model			FDU 71 VH	FDU 100 VH	FDU 100 VH	FDU 125 VH
Outdoor unit model			FDC 71 VNP-W	FDC 90 VNP-W	FDC 100 VNP-W	FDC 125 VNP-W
Type			DC-Inverter heat pump			
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)	12.10 (5.00~12.10)
Rated absorbed power (T=+35°C)		kW	2.60	2.62	3.08	3.85
Rated energy efficiency coefficient		EER1	2.73	3.44	3.25	3.14
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)	12.10 (4.00~13.30)
Rated absorbed power (T=+7°C)		kW	1.89	1.98	2.45	3.28
Rated energy performance coefficient		COP1	3.76	4.55	4.08	3.69
Seasonal data						
Theoretical load (Pdesignc)	Cooling	kW	7.10	9.00	10.00	12.10
Seasonal energy efficiency index		SEER2	5.86	6.66	6.11	5.42
Seasonal energy efficiency class		626/20113	A+	A++	A++	-
Annual energy consumption	Heating (average climate conditions)	kWh/a	425	474	573	-
Theoretical load (Pdesignh) @-10°C		kW	5.70	6.00	6.40	12.10
Seasonal energy efficiency index		SCOP2	4.12	4.22	4.13	3.94
Seasonal energy efficiency class		626/20113	A+	A+	A+	-
Annual energy consumption		kWh/a	1937	1990	2169	-
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	3 x 4 mm ²
Connection wires between I.U. and O.U.		no.	4	4	4	4
Absorbed current	Cooling	A	11.50	11.60	13.10	16.20
	Heating	A	8.50	8.80	10.40	13.80
Maximum current		A	15.80	19.00	19.00	20.00
Maximum absorbed power		kW	3.58	4.46	4.46	4.75
Refrigerant circuit						
Refrigerant ⁴		Type (GWP)	R32 (675)			
Quantity refrigerant pre-load		Kg	1.3	1.7	1.7	2.25
Tons of CO2 equivalent		t	0.878	1.148	1.148	1.519
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")	ø9.52 (3/8") - ø15.88(5/8")
Max splitting length		m	30	30	30	30
Max height difference I.U./O.U.		m	20	20	20	20
Split length without additional charge		m	15	15	15	15
Additional load		g/m	20	20	20	54
Indoor unit specifications						
Dimensions	LxDxH	mm	950x635x280	1370x740x280	1370x740x280	1370x740x280
Net weight		Kg	34	54	54	54
Sound power level	Max	dB(A)	65	65	65	67
Sound pressure level	P-Hi/Hi/Me/Lo	dB(A)	38/33/29/25	44/38/36/30	44/38/36/30	45/40/34/29
Treated air volume	P-Hi/Hi/Me/Lo	m ³ /h	1440/1140/900/600	2160/1680/1500/1140	2160/1680/1500/1140	2340/1920/1560/1200
Fan pressure head	Std/Max	Pa	35/200	60/200	60/200	60/200
Outdoor unit specifications						
Dimensions	LxDxH	mm	800(+71)x290x640	800(+71)x340x750	880(+88)x340x750	970x370x845
Net weight		Kg	45	57	57	73
Sound power level	Max	dB(A)	67	67	68	73
Sound pressure level	Max	dB(A)	54	55	56	57
Treated air volume	Max	m ³ /h	2520	3540	3780	4740
Operating limits (outside temperature)	Cooling	°C	-15~+46			
	Heating	°C	-15~+20			
Accessories						
Wired remote control			RC-E5 (LCD) / RC-EX3A (touch) / RC-EXZ3A (touch + zone control) / RCH-E3 (simplified)			
IR remote control (KIT)			RCN-KIT4-E2			
Optional parts						
Wi-Fi module			INWFIMH001R000			
Human sensor (KIT)			LB-KIT2			
SUPERLINK II interface			SC-ADNA-E			

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.