

MONOSPLIT SMART

Ducted with high adjustable head



- **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

FDU 71-125 VH

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
DC-Inverter heat pump						
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		EER ³	2.73	3.44	3.25	3.14
Seasonal energy efficiency class		626/2011 ¹	A+	A++	A++	-
Seasonal energy efficiency index		SEER ²	5.86	6.66	6.11	5.50
Annual energy consumption		kWh/a	425	474	573	-
Theoretical load (Pdesignc)		kW	7.10	9.00	10.00	12.10
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		COP ³	3.76	4.55	4.08	3.69
Energy efficiency class (average season)		626/2011 ¹	A+	A+	A+	-
Energy efficiency index (average season)		SCOP ²	4.12	4.22	4.13	4.01
Annual energy consumption		kWh/a	1937	1990	2169	-
Theoretical load (Pdesignh) @-10°C		kW	5.70	6.00	6.40	8.00
Operating limits (outdoor temperature)	Cooling	°C	-15~+46			
	Heating	°C	-15~+20			
Electrical data						
Power	Outdoor unit	Ph-V-Hz	1-220~240V-50Hz	1-220~240V-50Hz	1-220~240V-50Hz	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
Rated 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 (GWP) ⁴			R32 (675)	R32 (675)	R32 (675)	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
Splitting length without additional load		m	15	15	15	15
Additional load		g/m	20	20	20	20
Specifications of indoor units						
Dimensions	LxDxH	mm	950x635x280	1370x740x280	1370x740x280	1370x740x280
Net weight		Kg	34	54	54	54
Sound pressure level	P-Hi/Hi/Mi/Lo	dB(A)	38/33/29/25	44/38/36/30	44/38/36/30	45/40/34/29
Sound power level	Max	dB(A)	65	65	65	67
Handled air volume	P-Hi/Hi/Mi/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
Motor power	Output	W	130	100 + 130	100 + 130	100 + 200
Condensate drain pipe	ø internal	mm	25	25	25	25
Specifications of outdoor units						
Dimensions	LxDxH	mm	800(+71)x290x640	800(+71)x340x750	880(+88)x340x750	970x370x846
Net weight		Kg	45	57	57	70
Sound pressure level	Max	dB(A)	54	55	56	57
Sound power level	Max	dB(A)	67	67	68	73
Handled air	Max	m ³ /h	2520	3540	3780	4740
Motor power	Output	W	34	86	86	86
Accessories						
Wired remote control	RC-E5 (LCD) / RC-EX3A (touch) / RC-EXZ3A (touch + control zone) / RCH-E3 (simplified)					
IR remote control (KIT)	RCN-KIT4-E2					
Optional parts						
Wi-Fi module	INWFIMHI001R000					
Human sensor (KIT)	LB-KIT2					
SUPERLINK II interface	SC-ADNA-E					

1 EU Delegated Regulation No.626/2011 on the new labelling indicating the energy consumption of air conditioners. 2 EU Regulation No.206/2012 - Value measured according to harmonised standard EN14825. 3 Value measured according to harmonised standard EN14511. 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.