

MONOSPLIT SMART

DUCTED HIGH STATIC PRESSURE ADJUSTABLE R32



FDU 71-100-125 VH

- **max 200**
Fan static pressure
- Unit with bottom or rear air intake
- **280 mm**
Height
- **30 m**
Splitting distance
- 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 power input (T=+35°C)		kW	2.60	2.62	3.08	3.85
Rated energy efficiency coefficient		EER ¹	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 power input (T=+7°C)		kW	1.89	1.98	2.45	3.28
Rated energy performance coefficient		COP ¹	3.76	4.55	4.08	3.69
Seasonal data						
Design load (Pdesigngc)	Cooling	kW	7.10	9.00	10.00	12.10
Seasonal energy efficiency index		SEER ²	5.86	6.66	6.11	5.42
Seasonal energy efficiency class		626/2011 ³	A+	A++	A++	-
Annual energy consumption		kWh/y	425	474	573	-
Design load (Pdesigngh) @ -10°C	Heating (average climate conditions)	kW	5.70	6.00	6.40	7.90
Seasonal performance coefficient		SCOP ²	4.12	4.22	4.13	3.94
Seasonal energy efficiency (ηs)		%	161.80	165.80	162.20	154.60
Seasonal energy efficiency class		626/2011 ³	A+	A+	A+	-
Annual energy consumption	kWh/y	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.		nb.	4	4	4	4
Nominal 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
Max power input		kW	3.58	4.46	4.46	4.75
Refrigerant circuit data						
Refrigerant ⁴	Type (GWP)	R32 (675)				
Quantity of refrigerant pre-charge	Kg	1.3	1.7	1.7	2.25	
Tons of CO ₂ equivalent	t	0.878	1.148	1.148	1.519	
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")	ø9.52 (3/8") - ø15.88 (5/8")	
Splitting distance	m	30	30	30	30	
Splitting level difference I.U./O.U.	m	20	20	20	20	
Splitting distance without additional charge	m	15	15	15	15	
Additional charge	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
Volume of air treated	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 static pressure	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
Volume of air treated	Max	m ³ /h	2520	3540	3780	4740
Operating range (outdoor temperature)	Cooling	°C	-15~+46			
	Heating	°C	-15~+20			
Accessories						
Wired 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	INWFIMH001R100					
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-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.