

MONOSPLIT HYPER

DUCTED MEDIUM STATIC PRESSURE ADJUSTABLE R32



OPTIONAL

FDUM 71-100-125-140 VH

- **max 100**
Fan static pressure
- Unit with bottom or rear air intake (filter not included)
- **280 mm**
Height
- **100 m**
Splitting distance
- ESP function: automatic maintenance of the air flow as flow resistance varies
- Filter not included
- Compatible with **AIRZONE** systems

Indoor unit model			FDUM 71 VH	FDUM 100 VH	FDUM 125 VH	FDUM 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			
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 power input (T=+35°C)		kW	1.77	2.59	3.49	4.22
Rated energy efficiency coefficient		EER1	4.01	3.86	3.58	3.32
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 power input (T=+7°C)		kW	1.78	2.63	3.61	4.22
Rated energy performance coefficient		COP1	4.49	4.26	3.88	3.79
Seasonal data						
Design load (Pdesignc)	Cooling	kW	7.10	10.00	12.50	14.00
Seasonal energy efficiency index		SEER2	6.89	6.29	6.10	5.79
Seasonal energy efficiency class		626/2011 ³	A++	A++	-	-
Annual energy consumption		kWh/y	361	557	-	-
Design load (Pdesignh) @ -10°C	Heating (average climate conditions)	kW	6.00	11.20	14.00	16.00
Seasonal energy efficiency index		SCOP2	4.45	4.13	3.92	3.88
Seasonal energy efficiency class		626/2011 ³	A+	A+	-	-
Annual energy consumption		kWh/y	1889	3800	-	-
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
Connection wires between I.U. and O.U.		nb.	4		4	4
Nominal absorbed current	Cooling	A	7.90		5.60	6.70
	Heating	A	7.90		5.90	6.80
Maximum current		A	20.00		17.00	17.00
Max power input		kW	4.11		8.90	8.90
Refrigerant circuit data						
Refrigerant ⁴		Type (GWP)	R32 (675)			
Quantity of refrigerant pre-charge		Kg	2.75		4	4
Tons of CO2 equivalent		t	1.856		2.700	2.700
Diameter of refrigerant pipings 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")
Splitting distance	Min/Max	m	3/50		3/100	3/100
Splitting level difference I.U./O.U.	O.U. above/O.U. below	m	30/15		50/15	50/15
Splitting distance without additional charge		m	30		30	30
Additional charge		g/m	54		54	54
Indoor unit specifications						
Dimensions	LxDxH	mm	950x635x280		1370x740x280	1370x740x280
Net weight		Kg	34		54	54
Sound power level	Max	dB(A)	65		65	70
Sound pressure level	P-Hi/Hi/Me/Lo	dB(A)	38/33/29/25		44/38/36/30	45/40/34/29
Volume of air treated	P-Hi/Hi/Me/Lo	m³/h	1440/1140/900/600		2160/1680/1500/1140	2340/1920/1560/1200
Fan static pressure	Std/Max	Pa	35/100		60/100	60/100
Outdoor unit specifications						
Dimensions	LxDxH	mm	880(+88)x340x750		970x370x1300	970x370x1300
Net weight		Kg	60		99	99
Sound power level	Max	dB(A)	66		67	71
Sound pressure level	Max	dB(A)	51		53	54
Volume of air treated	Max	m³/h	3600		6000	6000
Operating range (outdoor temperature)	Cooling	°C	-15~+50			
	Heating	°C	-20~+20			
Accessories						
Wired control			RC-E5 (LCD) / RC-EX3A (touch) / RC-EX23A (touch + zone control) / RCH-E3 (simplified)			
IR remote control (KIT)			RCN-KIT4-E2			
Optional parts						
Wi-Fi module			INWFMHI001R100			
Human sensor (KIT)			LB-KIT2			
SUPERLINK II interface			SC-ADNA-E			
Recovery filter (KIT)			UIM-FI 2FF		UIM-FI 3FF	

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.