MONOSPLIT HYPER

DUCTED HIGH STATIC PRESSURE ADJUSTABLE

R32

OPTIONAL

FDU 71-100-125-140 VH

- **max 200**
  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
- Compatibile with AIRZONE systems

Indoor unit model			FDU 71 VH	FDU 100 VH	FDU 125 VH	FDU 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		EER[1]	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		COP[1]	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		SEER[2]	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		SCOP[2]	4.47	4.13	3.92	3.88
Seasonal energy efficiency class		626/2011[3]	A+	A+	-	-
Annual energy consumption		kWh/y	1878	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	5 x 4 mm^2
Connection wires between I.U. and O.U.		nb.	4	4	4	4
Nominal absorbed current	Cooling	A	7.90	4.40	5.60	6.70
	Heating	A	7.90	4.40	5.90	6.80
Maximum current		A	20.00	15.00	16.00	17.00
Max power input		kW	4.11	8.90	8.90	8.90
Refrigerant circuit data						
Refrigerant[4]		Type (GWP)	R32 (675)			
Quantity of refrigerant pre-charge		Kg	2.75	4	4	4
Tons of CO2 equivalent		t	1.856	2.700	2.700	2.700
Diameter of refrigerant pipings liquid/gas		mm (inches)	9.52 (3/8") - 15.88(5/8")	9.52 (3/8") - 15.88(5/8")	9.52 (3/8") - 15.88(5/8")	9.52 (3/8") - 15.88(5/8")
Splitting distance	Min/Max	m	3/50	3/100	3/100	3/100
Splitting level difference I.U./O.U.	O.U: above/O.U. below	m	30/15	50/15	50/15	50/15
Splitting distance without additional charge		m	30	30	30	30
Additional charge		g/m	54	54	54	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	67	70
Sound pressure level	P-Hi/Hi/Me/Lo	dB(A)	38/33/29/25	44/38/36/30	45/40/34/29	47/40/35/30
Volume of air treated	P-Hi/Hi/Me/Lo	m^3/h	1440/1140/900/600	2160/1680/1500/1140	2340/1920/1560/1200	2880/2100/1680/1320
Fan static pressure	Std/Max	Pa	35/200	60/200	60/200	60/200
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
Volume of air treated	Max	m^3/h	3600	6000	6000	6000
Operating range (outdoor temperature)	Cooling	°C	-15~+50			
	Heating	°C	-20~+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			INWFIMHI001R100			
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.

MITSUBISHI HEAVY INDUSTRIES