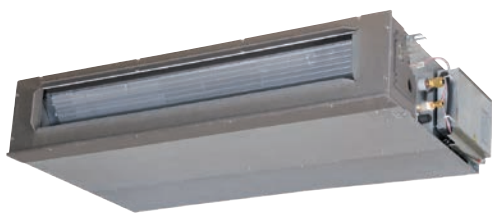


## MONOSPLIT SMART

### Ducted with medium adjustable head



- **max 100**  
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

FDUM 71-100-125 VH

Indoor unit model		FDUM 71 VH	FDUM 100 VH	FDUM 100 VH	FDUM 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				
<b>Nominal data</b>						
Rated capacity (T <sub>in</sub> +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 <sub>in</sub> +35°C)		kW	2.60	2.62	3.08	3.85
Rated energy efficiency coefficient		EER <sup>1</sup>	2.73	3.44	3.25	3.14
Rated capacity (T <sub>in</sub> +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 <sub>in</sub> +7°C)		kW	1.89	1.98	2.45	3.28
Rated energy performance coefficient		COP <sup>1</sup>	3.76	4.55	4.08	3.69
<b>Seasonal data</b>						
Theoretical load (P <sub>designc</sub> )	Cooling	kW	7.10	9.00	10.00	12.10
Seasonal energy efficiency index		SEER <sup>2</sup>	5.86	6.65	6.11	5.42
Seasonal energy efficiency class		626/2011 <sup>3</sup>	A+	A++	A++	-
Annual energy consumption		kWh/a	425	474	573	-
Theoretical load (P <sub>designh</sub> ) @-10°C	Heating (average climate conditions)	kW	5.70	6.00	6.40	12.10
Seasonal energy efficiency index		SCOP <sup>2</sup>	4.12	4.22	4.13	3.94
Seasonal energy efficiency class		626/2011 <sup>3</sup>	A+	A+	A+	-
Annual energy consumption		kWh/a	1937	1990	2169	-
<b>Electrical data</b>						
Power supply	Outdoor unit	Ph-V-Hz	1-220~240V-50Hz			
Power cable		Type	3 x 4 mm <sup>2</sup>	3 x 4 mm <sup>2</sup>	3 x 4 mm <sup>2</sup>	3 x 4 mm <sup>2</sup>
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
<b>Refrigerant circuit</b>						
Refrigerant <sup>4</sup>		Type (GWP)	R32 (675)			
Quantity refrigerant pre-load		Kg	1.3	1.7	1.7	2.25
Tons of CO <sub>2</sub> 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
<b>Indoor unit specifications</b>						
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 <sup>3</sup> /h	1440/1140/900/600	2160/1680/1500/1140	2160/1680/1500/1140	2340/1920/1560/1200
Fan pressure head	Std/Max	Pa	35/100	60/100	60/100	60/100
<b>Outdoor unit specifications</b>						
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 <sup>3</sup> /h	42	59	63	4740
Operating limits (outside temperature)	Cooling	°C	-15~+46			
	Heating	°C	-15~+20			
<b>Accessories</b>						
Wired remote control		RC-E5 (LCD) / RC-EX3A (touch) / RC-EXZ3A (touch + zone control) / RCH-E3 (simplified)				
IR remote control (KIT)		RCN-KIT4-E2				
<b>Optional parts</b>						
Wi-Fi module		INWFIMH1001R000				
Human sensor (KIT)		LB-KIT2				
SUPERLINK II interface		SC-ADNA-E				
Recovery filter (KIT)		UM-FL2EF		UM-FL3EF		

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 CO<sub>2</sub> 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.