

MONOSPLIT SUPER

Ducted with high adjustable head



FDU 100-125-140 VH

- **max 200**
Fan pressure head
- Unit with bottom or rear air intake
- **280 mm**
Height
- **50 m**
Split length
- ESP function: automatic maintenance of the air flow rate as flow resistance varies
- Filter not included
- Compatible with **AIRZONE** systems

Indoor unit model			FDU 100 VH	FDU 100 VH	FDU 125 VH	FDU 125 VH	FDU 140 VH	FDU 140 VH	
Outdoor unit model			FDC 100 VNA-W	FDC 100 VSA-W	FDC 125 VNA-W	FDC 125 VSA-W	FDC 140 VNA-W	FDC 140 VSA-W	
Type			DC-Inverter heat pump						
Nominal data									
Rated capacity (T=+35℃)	Cooling	kW	10.00 (4.00~11.20)		12.50 (5.00~14.00)		13.60 (5.00~14.50)		
Rated absorbed power (T=+35℃)		kW	2.99		4.36		5.13		
Rated energy efficiency coefficient		EER ¹	3.35		2.87		2.65		
Rated capacity (T=+7℃)	Heating	kW	11.20 (4.00~12.50)		14.00 (4.00~16.00)		15.50 (4.00~16.50)		
Rated absorbed power (T=+7℃)		kW	2.66		3.69		4.21		
Rated energy performance coefficient		COP ¹	4.21		3.79		3.68		
Seasonal data									
Theoretical load (Pdesignc)	Cooling	kW	10.00		12.50		13.60		
Seasonal energy efficiency index		SEER ²	6.11		5.57		5.30		
Seasonal energy efficiency class		626/2011 ³	A++		-		-		
Annual energy consumption	Heating (average climate conditions)	kWh/a	574		-		-		
Theoretical load (Pdesignh) @-10℃		kW	8.50		14.00		15.50		
Seasonal energy efficiency index		SCOP ²	4.19		4.13		4.01		
Seasonal energy efficiency class		626/2011 ³	A+		-		-		
Annual energy consumption		kWh/a	2843		-		-		
Electrical data									
Power supply	Outdoor unit	Ph-V-Hz	1~220~240V-50Hz	3~380~415V-50Hz	1-220~240V-50Hz	3~380~415V-50Hz	1-220~240V-50Hz	3~380~415V-50Hz	
Power cable		Type	3 x 6 mm ²	5 x 4 mm ²	3 x 6 mm ²	5 x 4 mm ²	3 x 6 mm ²	5 x 4 mm ²	
Connection wires between I.U. and O.U.		no.	4	4	4	4	4	4	
Absorbed current	Cooling	A	14.30	4.60	20.40	6.80	23.70	8.10	
	Heating	A	12.70	4.10	17.80	5.90	20.30	6.80	
Maximum current		A	26.00	17.00	26.00	17.00	27.00	18.00	
Maximum absorbed power		kW	6.40	10.20	6.40	10.20	6.40	10.20	
Refrigerant circuit									
Refrigerant ⁴	Type (GWP)	R32 (675)							
Quantity refrigerant pre-load	Kg	3.3			3.3		3.3		
Tons of CO2 equivalent	t	2.228			2.228		2.228		
Diameter of refrigerant piping on 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")		
Max splitting length	m	50			50		50		
Max height difference I.U./O.U.	O.U. above/O.U. under	m	50/15			50/15		50/15	
Split length without additional charge		m	30			30		30	
Additional load		g/m	54			54		54	
Indoor unit specifications									
Dimensions	LxDxH	mm	1370x740x280		1370x740x280		1370x740x280		
Net weight		Kg	54		54		54		
Sound power level	Max	dB(A)	65		67		70		
Sound pressure level	P-Hi/Hi/Me/Lo	dB(A)	44/38/36/30		45/40/34/29		47/40/35/30		
Treated air volume	P-Hi/Hi/Me/Lo	m ³ /h	2160/1680/1500/1140		2340/1920/1560/1200		2880/2100/1680/1320		
Fan pressure head	Std/Max	Pa	60/200		60/200		60/200		
Outdoor unit specifications									
Dimensions	LxDxH	mm	970x370x845		970x370x845		970x370x845		
Net weight		Kg	77	78	77	78	77	78	
Sound power level	Max	dB(A)	70		71		73		
Sound pressure level	Max	dB(A)	55		56		58		
Treated air volume	Max	m ³ /h	4500		4500		4500		
Operating limits (outside temperature)	Cooling	℃	-15~+50						
	Heating	℃	-20~+20						
Accessories									
Wired remote 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			INWFIMHI001R000						
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.

MONOSPLIT SUPER

Ducted with high adjustable head



- **max 200**
Fan pressure head
- Unit with bottom or rear air intake
- **70 m**
Split length (20.00~25.00 kW)
- ESP function: automatic maintenance of the air flow rate as flow resistance varies

FDU 200-250-280 VH

Indoor unit model			FDU 200 VH	FDU 250 VH	FDU 280 VH
Outdoor unit model			FDC 200 VSA-W	FDC 250 VSA-W	FDC 280 VSA-W
Type			DC-Inverter heat pump		
Nominal data					
Rated capacity (T=+35°C)	Cooling	kW	20.00 (7.20~22.40)	25.00 (7.20~28.00)	27.00 (6.90~31.50)
Rated absorbed power (T=+35°C)		kW	6.15	8.25	9.15
Rated energy efficiency coefficient		EER ¹	3.25	3.03	2.95
Rated capacity (T=+7°C)	Heating	kW	22.40 (6.50~25.00)	28.00 (6.70~31.50)	30.00 (6.90~33.50)
Rated absorbed power (T=+7°C)		kW	5.67	7.55	9.12
Rated energy performance coefficient		COP ¹	3.95	3.75	3.29
Seasonal data					
Theoretical load (Pdesignc)	Cooling	kW	20.00	25.00	27.00
Seasonal energy efficiency index		SEER ²	5.90	4.89	4.93
Seasonal energy efficiency class		626/2011 ³	-	-	-
Annual energy consumption	Heating (average climate conditions)	kWh/a	-	-	-
Theoretical load (Pdesignh) @-10°C		kW	22.40	28.00	30.00
Seasonal energy efficiency index		SCOP ²	3.55	3.54	3.70
Seasonal energy efficiency class		626/2011 ³	-	-	-
Annual energy consumption		kWh/a	-	-	-
Electrical data					
Power supply	Outdoor unit	Ph-V-Hz	3-380~415V-50Hz		
Power cable		Type	5 x 6 mm ²	5 x 6 mm ²	5 x 6 mm ²
Connection wires between I.U. and O.U.		no.	4	4	4
Absorbed current	Cooling	A	9.80	12.70	14.20
	Heating	A	8.90	11.60	14.00
Maximum current		A	23.00	25.00	25.00
Maximum absorbed power		kW	12.00	11.20	11.40
Refrigerant circuit					
Refrigerant ⁴		Type (GWP)	R32 (675)		
Quantity refrigerant pre-load		Kg	4.3	5.1	5.6
Tons of CO2 equivalent		t	2.903	3.443	3.780
Diameter of refrigerant piping on liquid/gas		mm (inches)	ø9.52 (3/8") - ø22.2 (7/8") ⁵	ø12.7 (1/2") - ø22.2 (7/8") ⁵	ø12.7 (1/2") - ø22.2 (7/8") ⁵
Max splitting length		m	70	70	60
Max height difference I.U./O.U.	O.U. above/O.U. under	m	50/15	50/15	50/15
Split length without additional charge		m	30	30	30
Additional load		g/m	Consult the technical manual ⁵		
Indoor unit specifications					
Dimensions	LxDxH	mm	1600x893x379	1600x893x379	1600x893x379
Net weight		Kg	88	88	88
Sound power level	Max	dB(A)	78	78	78
Sound pressure level	P-Hi/Hi/Me/Lo	dB(A)	52/50/47/45	52/50/47/45	52/50/47/45
Treated air volume	P-Hi/Hi/Me/Lo	m ³ /h	4800/4320/3840/3360	4800/4320/3840/3360	4800/4320/3840/3360
Fan pressure head	Std/Max	Pa	72/200	72/200	72/200
Outdoor unit specifications					
Dimensions	LxDxH	mm	970x370x1505	970x370x1505	970x370x1505
Net weight		Kg	144	145	155
Sound power level	Max	dB(A)	74	75	77
Sound pressure level	Max	dB(A)	59	62	63
Treated air volume	Max	m ³ /h	8880	9180	8400
Operating limits (outside temperature)	Cooling	°C	-15~-+50		
	Heating	°C	-20~-+20		
Accessories					
Wired remote 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			INWFIMHI001R000		
Human sensor (KIT)			LB-KIT2		
SUIPFR1 INK II interface			SC-ADNA-F		

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.