MONOSPLIT SUPER

Ceiling

R32

OPTIONAL

- Ideal for very large environments, thanks to the particularly wide air flow
- **50 m**
  Split length
- Versatile installation thanks to drain pipe and refrigerant flexibility
- Polypropylene filter included

FDE 100-125-140 VH

Indoor unit model			FDE 100 VH	FDE 100 VH	FDE 125 VH	FDE 125 VH	FDE 140 VH	FDE 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°C)	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°C)		kW	2.85		4.45		5.05	
Rated energy efficiency coefficient		EER[1]	3.51		2.81		2.69	
Rated capacity (T=+7°C)	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°C)		kW	2.54		3.74		4.18	
Rated energy performance coefficient		COP[1]	4.41		3.74		3.71	
Seasonal data								
Theoretical load (Pdesignc)	Cooling	kW	10.00		12.50		13.60	
Seasonal energy efficiency index		SEER[2]	6.67		6.03		5.76	
Seasonal energy efficiency class		626/2011[3]	A++		-		-	
Annual energy consumption		kWh/a	525		-		-	
Theoretical load (Pdesignh) @-10°C	Heating (average climate conditions)	kW	8.50		14.00		15.50	
Seasonal energy efficiency index		SCOP[2]	4.31		4.30		4.24	
Seasonal energy efficiency class		626/2011[3]	A+		-		-	
Annual energy consumption		kWh/a	2764		-		-	
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	13.80	4.60	20.40	6.90	22.20	7.80
	Heating	A	12.40	4.00	17.50	5.90	18.40	6.50
Maximum current		A	24.00	15.00	24.00	15.00	24.00	15.00
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	1620x690x250		1620x690x250		1620x690x250	
Net weight		Kg	43		43		43	
Sound power level	Max	dB(A)	64		64		65	
Sound pressure level	P-Hi/Hi/Me/Lo	dB(A)	48/43/38/34		48/45/40/35		49/45/40/36	
Treated air volume	P-Hi/Hi/Me/Lo	m3/h	1920/1560/1260/990		1920/1740/1380/1020		2040/1740/1380/1080	
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	m3/h	4500		4500		4500	
Operating limits (outside temperature)	Cooling	°C	-15~+50					
	Heating	°C	-20~+20					
Accessories								
Wired remote control			RC-E5 (LCD) / RC-EX3A (touch) / RCH-E3 (simplified)					
IR remote control (KIT)			RCN-E-E3					
Optional parts								
Wi-Fi module			INWFIMHI001R000					
Human sensor (KIT)			LB-E					
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.

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