

MONOSPLIT SUPER

CEILING R32



OPTIONAL

- Ideal for very large environments, thanks to the particularly wide air flow
- **50 m** Splitting distance
- 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 power input (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 power input (T=+7°C)		kW	2.54		3.74		4.18	
Rated energy performance coefficient		COP ¹	4.41		3.74		3.71	
Seasonal data								
Design 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/y	525		-		-	
Design load (Pdesignh) @ -10°C	Heating (average climate conditions)	kW	8.50		9.80		10.50	
Seasonal performance coefficient		SCOP ²	4.31		4.30		4.24	
Seasonal energy efficiency (%)		%	169.40		169.00		166.60	
Seasonal energy efficiency class		626/2011 ³	A+		-		-	
Annual energy consumption	kWh/y	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.		nb.	4	4	4	4	4	4
Nominal 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
Max power input	kW		6.40	10.20	6.40	10.20	6.40	10.20
Refrigerant circuit data								
Refrigerant ⁴	Type (GWP)	R32 (675)						
Quantity of refrigerant pre-charge	Kg	3.3		3.3		3.3		
Tons of CO ₂ equivalent	t	2.228		2.228		2.228		
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	m	50		50		50		
Splitting level difference I.U./O.U.	O.U. above/O.U. below	m		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	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	
Volume of air treated	P-Hi/Hi/Me/Lo	m ³ /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	
Volume of air treated	Max	m ³ /h	4500		4500		4500	
Operating range (outdoor temperature)	Cooling	°C	-15~+50					
	Heating	°C	-20~+20					
Accessories								
Wired control	RC-E5 (LCD) / RC-EX3A (touch) / RCH-E3 (simplified)							
IR remote control (KIT)	RCN-E-E3							
Optional parts								
Wi-Fi module	INWFIMH001R100							
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 - N. 2281/2016 - 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.