

MONOSPLIT SMART

CEILING



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

FDE 71-100-125 VH

FLEXIBLE PIPE ORIENTATION

Maximum flexibility: the refrigerant piping can be attached in 3 different positions (rear, top, right), as can that of the condensate drain (left, right).

Indoor unit model		FDE 71 VH	FDE 100 VH	FDE 100 VH	FDE 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				
Nominal data						
Rated capacity (T=+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)
		kW	2.41	2.38	3.00	3.88
		EER ¹	2.95	3.78	3.33	3.12
Rated capacity (T=+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)
		kW	1.96	1.99	2.36	3.30
		COP ¹	3.62	4.52	4.24	3.30
Seasonal data						
Design load (Pdesignc)	Cooling	kW	7.10	9.00	10.00	12.10
		SEER ²	6.44	6.78	6.63	5.88
		626/2011 ³	A++	A++	A++	-
Annual energy consumption	Heating (average climate conditions)	kWh/y	386	465	529	-
		kW	5.70	5.80	6.00	12.10
		SCOP ²	4.32	4.46	4.24	4.13
Seasonal energy efficiency class		626/2011 ³	A+	A+	A+	-
		kWh/y	1849	1920	1984	-
Electrical data						
Power supply	Outdoor unit	Ph-V-Hz	1-220~240V-50Hz			
Power cable		Type	3 x 4 mm ²	3 x 4 mm ²	3 x 4 mm ²	3 x 4 mm ²
Connection wires between I.U. and O.U.		nb.	4	4	4	4
Nominal absorbed current	Cooling	A	10.90	10.60	12.80	16.30
	Heating	A	8.80	8.80	10.10	13.90
Maximum current		A	15.80	19.00	19.00	18.00
Max power input		kW	3.58	4.46	4.46	4.75
Refrigerant circuit data						
Refrigerant ⁴	Type (GWP)	R32 (675)				
Quantity of refrigerant pre-charge	Kg	1.3	1.7	1.7	2.25	
Tons of CO ₂ equivalent	t	0.878	1.148	1.148	1.519	
Diameter of refrigerant pipings 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 distance	m	30	30	30	30	
Splitting level difference I.U./O.U.	m	20	20	20	20	
Splitting distance without additional charge	m	15	15	15	15	
Additional charge	g/m	20	20	20	54	
Indoor unit specifications						
Dimensions	LxDxH	mm	1320x690x210	1620x690x250	1620x690x250	1620x690x250
Net weight		Kg	33	43	43	43
Sound power level	Max	dB(A)	60	64	64	64
Sound pressure level	P-Hi/Hi/Me/Lo	dB(A)	47/41/37/32	48/43/38/34	48/43/38/34	48/45/40/35
Volume of air treated	P-Hi/Hi/Me/Lo	m ³ /h	1200/960/780/600	1920/1560/1260/990	1920/1560/1260/990	1920/1740/1380/1020
Outdoor unit specifications						
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
Volume of air treated	Max	m ³ /h	2520	3540	3780	4740
Operating range (outdoor temperature)	Cooling	°C	-15~+46			
	Heating	°C	-15~+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	INWFIMH1001R100					
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.