MONOSPLIT SMART

Ceiling

OPTIONAL

- Ideal for very large environments, thanks to the particularly wide air flow
- **30 m** Split length
- 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)
Rated absorbed power (T=+35°C)		kW	2.41	2.38	3.00	3.88
Rated energy efficiency coefficient		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)
Rated absorbed power (T=+7°C)		kW	1.96	1.99	2.36	3.30
Rated energy performance coefficient		COP[1]	3.62	4.52	4.24	3.30
Seasonal data						
Theoretical load (Pdesignc)	Cooling	kW	7.10	9.00	10.00	12.10
Seasonal energy efficiency index		SEER[2]	6.44	6.78	6.63	5.88
Seasonal energy efficiency class		626/2011[3]	A++	A++	A++	-
Annual energy consumption		kWh/a	386	465	529	-
Theoretical load (Pdesignh) @-10°C	Heating (average climate conditions)	kW	5.70	5.80	6.00	12.10
Seasonal energy efficiency index		SCOP[2]	4.32	4.46	4.24	4.13
Seasonal energy efficiency class		626/2011[3]	A+	A+	A+	-
Annual energy consumption		kWh/a	1849	1920	1984	-
Electrical data						
Power supply	Outdoor unit	Ph-V-Hz	1-220~240V-50Hz			
Power cable		Type	3 x 4 mm2	3 x 4 mm2	3 x 4 mm2	3 x 4 mm2
Connection wires between I.U. and O.U.		no.	4	4	4	4
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
Maximum absorbed power		kW	3.58	4.46	4.46	4.75
Refrigerant circuit						
Refrigerant[4]		Type (GWP)	R32 (675)			
Quantity refrigerant pre-load		Kg	1.3	1.7	1.7	2.25
Tons of CO2 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
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
Treated air volume	P-Hi/Hi/Me/Lo	m3/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
Treated air volume	Max	m3/h	2520	3540	3780	4740
Operating limits (outside temperature)	Cooling	°C	-15~+46			
	Heating	°C	-15~+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.