

# MONOSPLIT HYPER

## CEILING



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

FDE 71-100-125-140 VH

Indoor unit model		FDE 71 VH	FDE 100 VH	FDE 125 VH	FDE 140 VH	
Outdoor unit model		FDC 71 VNX-W	FDC 100 VSX-W	FDC 125 VSX-W	FDC 140 VSX-W	
Type		DC-Inverter heat pump				
<b>Nominal data</b>						
Rated capacity (T=+35°C)	Cooling	kW	7.10 (3.20~8.00)	10.00 (3.50~11.20)	12.50 (3.50~14.00)	14.00 (3.50~16.00)
Rated power input (T=+35°C)		kW	1.87	2.33	3.34	4.08
Rated energy efficiency coefficient		EER <sup>1</sup>	3.80	4.29	3.75	3.43
Rated capacity (T=+7°C)	Heating	kW	8.00 (3.60~9.00)	11.20 (2.70~16.00)	14.00 (2.70~18.00)	16.00 (2.70~20.00)
Rated power input (T=+7°C)		kW	1.87	2.52	3.74	4.41
Rated energy performance coefficient		COP <sup>1</sup>	4.28	4.45	3.74	3.63
<b>Seasonal data</b>						
Design load (Pdesignc)	Cooling	kW	7.10	10.00	12.50	14.00
Seasonal energy efficiency index		SEER <sup>2</sup>	6.58	7.00	6.53	6.29
Seasonal energy efficiency class		626/2011 <sup>3</sup>	A++	A++	-	-
Annual energy consumption		kWh/y	378	501	-	-
Design load (Pdesignh) @ -10°C	Heating (average climate conditions)	kW	6.00	11.20	14.00	16.00
Seasonal energy efficiency index		SCOP <sup>2</sup>	4.45	4.24	4.02	3.96
Seasonal energy efficiency class		626/2011 <sup>3</sup>	A+	A+	-	-
Annual energy consumption		kWh/y	1889	3700	-	-
<b>Electrical data</b>						
Power supply	Outdoor unit	Ph-V-Hz	1-220~240V-50Hz	3-380~415V-50Hz		
Power cable		Type	3 x 4 mm <sup>2</sup>	5 x 4 mm <sup>2</sup>	5 x 4 mm <sup>2</sup>	5 x 4 mm <sup>2</sup>
Connection wires between I.U. and O.U.		nb.	4	4	4	4
Nominal absorbed current	Cooling	A	8.30	4.00	5.40	6.50
	Heating	A	8.30	4.20	6.10	7.20
Maximum current		A	19.10	14.00	14.00	14.00
Max power input		kW	4.11	8.90	8.90	8.90
<b>Refrigerant circuit data</b>						
Refrigerant <sup>4</sup>	Type (GWP)	R32 (675)				
Quantity of refrigerant pre-charge	Kg	2.75	4	4	4	
Tons of CO <sub>2</sub> equivalent	t	1.856	2.700	2.700	2.700	
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")	ø9.52 (3/8") - ø15.88(5/8")	
Splitting distance	Min/Max	m	3/50	3/100	3/100	
Splitting level difference I.U./O.U.	O.U. above/O.U. below	m	30/15	50/15	50/15	
Splitting distance without additional charge		m	30	30	30	
Additional charge		g/m	54	54	54	
<b>Indoor unit specifications</b>						
Dimensions	LxDxH	mm	1320x690x210	1620x690x250	1620x690x250	1620x690x250
Net weight		Kg	33	43	43	43
Sound power level	Max	dB(A)	60	64	64	65
Sound pressure level	P-Hi/Hi/Me/Lo	dB(A)	47/41/37/32	48/43/38/34	48/45/40/35	49/45/40/36
Volume of air treated	P-Hi/Hi/Me/Lo	m <sup>3</sup> /h	1200/960/780/600	1920/1560/1260/990	1920/1740/1380/1020	2040/1740/1380/1080
<b>Outdoor unit specifications</b>						
Dimensions	LxDxH	mm	880(+88)x340x750	970x370x1300	970x370x1300	970x370x1300
Net weight		Kg	60	99	99	99
Sound power level	Max	dB(A)	66	67	70	71
Sound pressure level	Max	dB(A)	51	53	54	54
Volume of air treated	Max	m <sup>3</sup> /h	3600	6000	6000	6000
Operating range (outdoor temperature)	Cooling	°C	-15~+50			
	Heating	°C	-20~+20			
<b>Accessories</b>						
Wired control	RC-E5 (LCD) / RC-EX3A (touch) / RCH-E3 (simplified)					
IR remote control (KIT)	RCN-E-E3					
<b>Optional parts</b>						
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 -- 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 CO<sub>2</sub> 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.