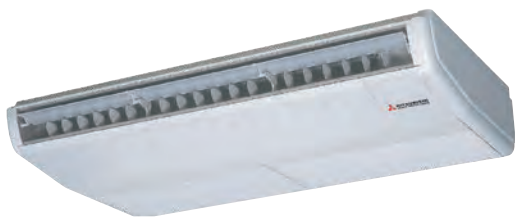


MONOSPLIT SMART

Ceiling



- 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

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).

FDE 71-100 VH

Indoor unit model			FDE 71 VH	FDE 100 VH	FDE 100 VH
Outdoor unit model			FDC 71 VNP-W	FDC 90 VNP-W	FDC 100 VNP-W
Type			FULL DC-Inverter heat pump		
Cooling	Rated capacity (T=+35°C)	kW	7.10 (1.50~7.30)	9.00 (2.10~9.50)	10.00 (2.10~10.20)
	Rated absorbed power (T=+35°C)	kW	2.41	2.38	3.00
	Rated energy efficiency coefficient	EER ³	2.95	3.78	3.33
	Seasonal energy efficiency class	626/2011 ¹	A++	A++	A++
	Seasonal energy efficiency index	SEER ²	6.44	6.78	6.63
	Annual energy consumption	kWh/a	386	465	529
	Theoretical load (Pdesignc)	kW	7.10	9.00	10.00
Heating	Rated capacity (T=+7°C)	kW	7.10 (1.10~7.30)	9.00 (1.70~9.50)	10.00 (1.70~10.40)
	Rated absorbed power (T=+7°C)	kW	1.96	1.99	2.36
	Rated energy performance coefficient	COP ³	3.62	4.52	4.24
	Energy efficiency class (average season)	626/2011 ¹	A+	A+	A+
	Energy efficiency index (average season)	SCOP ³	4.32	4.46	4.24
	Annual energy consumption	kWh/a	1849	1920	1984
	Theoretical load (Pdesigngh) @-10°C	kW	5.70	5.80	6.00
Operating limits (outdoor temperature)	Cooling	°C		-15~+46	
	Heating	°C		-15~+20	
Electrical data					
Power	Outdoor unit	Ph-V-Hz	1-220~240V-50Hz	1-220~240V-50Hz	1-220~240V-50Hz
Power cable		Type	3 x 4 mm ²	3 x 4 mm ²	3 x 4 mm ²
Connection wires between I.U. and O.U.		no.	4	4	4
Rated absorbed current	Cooling	A	10.90	10.60	12.80
	Heating	A	8.80	8.80	10.10
Maximum current		A	15.80	19.00	19.00
Maximum absorbed power		kW	3.58	4.46	4.46
Refrigerant circuit			R32 (675)		
Refrigerant (GWP) ⁴			R32 (675)		
Quantity refrigerant pre-load		Kg	1.3	1.7	1.7
Tons of CO2 equivalent		t	0.878	1.148	1.148
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")
Max. splitting length		m	30	30	30
Max height difference I.U./O.U.	O.U. over / O.U. under	m	20	20	20
Splitting length without additional load		m	15	15	15
Additional load		g/m	20	20	20
Indoor unit specifications					
Dimensions	LxDxH	mm	1320x690x210	1620x690x250	1620x690x250
Net weight		Kg	33	43	43
Sound pressure level (I.U.)	SHi/Hi/Mi/Lo	dB(A)	47/41/37/32	48/43/38/34	48/43/38/34
Sound power level (I.U.)	Hi	dB(A)	60	64	64
Handled air volume	SHi/Hi/Mi/Lo	m ³ /h	1200/960/780/600	1920/1560/1260/990	1920/1560/1260/990
Motor power (Output)		W	50	80	80
Internal diameter of condensate drain		mm	20	20	20
Specifications of outdoor units					
Dimensions	LxDxH	mm	800(+71)x290x640	800(+71)x340x750	880(+88)x340x750
Net weight		Kg	45	57	57
Sound pressure level (O.U.)		dB(A)	54	55	56
Sound power level (O.U.)		dB(A)	67	67	68
Handled air (Max)		m ³ /h	2520	3540	3780
Motor power (Output)		W	34	86	86
Optional parts			INWFIMH1001R000		
Wi-Fi module			RC-ES / RC-EX3A		
Wired remote control			RCH-E3		
Basic wire remote control			RCN-E-E3		
IR remote control (KIT)			LB-E		
Human sensor (KIT)			SC-ADNA-E		
SUPERLINK II interface					

1 EU Delegated Regulation No.626/2011 on the new labelling indicating the energy consumption of air conditioners. 2 EU Regulation No.206/2012 - Value measured according to harmonised standard EN14825. 3 Value measured according to harmonised standard EN14511. 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.