MICRO SMART

CONNECT UP TO 8 INDOOR UNITS/120% CAPACITY

FDC 224 KXZPE1
22.4 kW three-phase

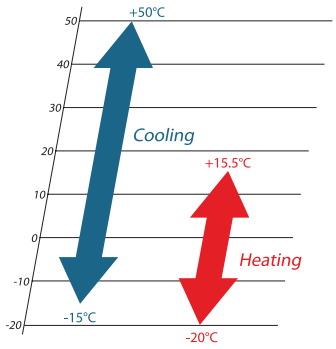
FDC 280 KXZPE1
28.0 kW three-phase

8~10HP (22.4~28.0 kW)

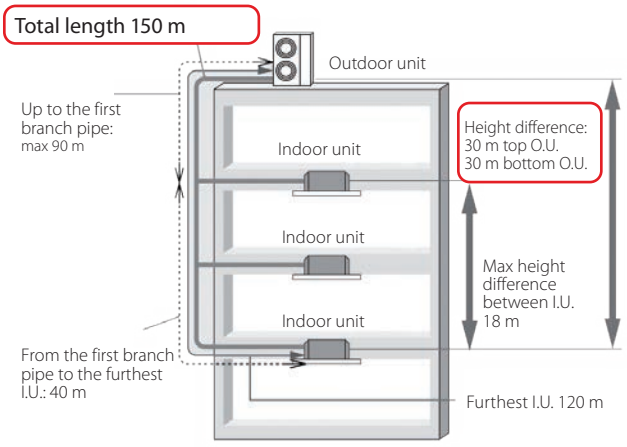
CHARACTERISTICS

- Maximum energy efficiency COP 4.67 (8 HP)
- Only DC Inverter compressors
- High split: up to 150 m in total and with a maximum distance between the O.U. and the furthest I.U. of 120 m
- Compressor speed control

OPERATING RANGE



INSTALLATION DIAGRAM



REFRIGERANT CONNECTIONS

HP		8	10
Liquid side	Furthest I.U. =<90 m	ø9.52	
Gas side		ø19.05	ø22.22
Liquid side	Furthest I.U. => 90 m	ø 12.7	
Gas side		ø22.22	ø25.4/ø28.58

BRANCH PIPES

DIS-22-1B
DIS-180-1B

DIS-371-1B

MANIFOLDS

HEAD4-22-1B
HEAD6-180-1B
HEAD8-371-2B

Models			FDC224KXZPE1	FDC280KXZPE1
Rated power		**HP**	**8**	**10**
Nominal capacity (T=35°C)	Cooling	kW	22.40	28.00
Power consumption (T=35°C)		kW	5.60	7.87
Seasonal energy efficiency index		SEER[1]	6.65	6.68
Rated energy efficiency coefficient		EER[2]	4.00	3.56
Nominal capacity (T=7°C)	Heating	kW	22.40	28.00
Power consumption (T=7°C)		kW	4.80	6.47
Seasonal energy efficiency index		SCOP[1]	4.34	4.50
Rated energy efficiency coefficient		COP[2]	4.67	4.33
Electrical data				
Power		Ph-V-Hz	3Ph-380~415V-50Hz	
Rated current	Cooling	A	9.20	12.90
Rated current	Heating	A	7.90	10.50
Maximum current		A	21.00	22.00
Refrigerant circuit/features				
Refrigerant (GWP)[3]			R410A (2088)	
Quantity refrigerant pre-load		kg	8.9	8.9
Tons of CO2 equivalent			18.583	18.583
Diameter refrigerant pipes	Liquid	inch (mm)	ø3/8" (9.52)	ø3/8" (9.52)
	Gas		ø3/4" (19.05)	ø7/8" (22.22)
Product Specifications				
Dimensions	LxHxD	mm	1505x970x370	1505x970x370
Net weight		kg	165	165
Sound pressure level	Max	dB(A)	60	63
Sound power level	Max	dB(A)	73	76
Treated air volume	Standard	m³/h	7800	8100
Fan static pressure	Max	Pa	35	35
Max. connectable I.U.	**Min ~ Max**	**no**	**1 ~ 8**	**1 ~ 8**
	Capacity	**%**	**50 ~ 120**	**50 ~ 120**

1. EU Regulation No. 206/2012 - N.2281/2016 - Value measured according to the harmonised standard EN 14825. 2. Value measured according to the harmonised standard EN 14511. 3. 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 2088. If 1 kg of this refrigerant fluid were released into the atmosphere, therefore, the impact on global warming would be 2088 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.