VRF-T

MICRO SMART

CONNECT UP TO 8 INDOOR UNITS/120% CAPACITY

FDC 224 KXZPE1
22.4 kW 3-Phase

FDC 280 KXZPE1
28.0 kW 3-Phase

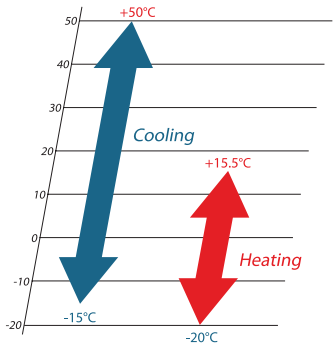
BLUE FIN

8~10HP (22.4~28.0 kW)

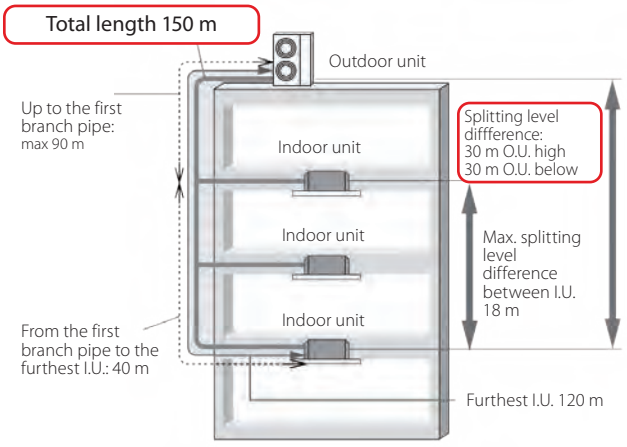
FEATURES

- Maximum energy efficiency: COP 4.67 (8HP)
- Only DC Inverter compressors
- High splitting distance: up to 150 m in total and with a max. 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

Outdoor unit model			FDC 224 KXZPE1	FDC 280 KXZPE1
Power class		**HP**	**8**	**10**
Nominal data				
Rated capacity	Cooling	kW	22.40	28.00
Rated power input		kW	5.60	7.87
Rated energy efficiency coefficient		EER[1]	4.00	3.56
Rated capacity	Heating	kW	22.40	28.00
Rated power input		kW	4.80	6.47
Rated energy performance coefficient		COP[1]	4.67	4.33
Seasonal data				
Seasonal energy efficiency index	Cooling	SEER[2]	6.65	6.68
	Heating	SCOP[2]	4.34	4.50
Electrical data				
Power supply		Ph-V-Hz	3Ph-380~415V-50Hz	
Rated current	Cooling	A	9.20	12.90
	Heating	A	7.90	10.50
Maximum current		A	21.00	22.00
Refrigerant circuit data				
Refrigerant[3]		type (GWP)	R410A (2088)	
Q.ty of refrigerant pre-charge (tons of CO2 equivalent)		kg	8.9 (18.583)	8.9 (18.583)
Piping diameter	Liquid	inch (mm)	3/8" (9.52)	3/8" (9.52)
	Gas		3/4" (19.05)	7/8" (22.22)
Product specifications				
Dimensions	HxLxD	mm	1505x970x370	1505x970x370
Net weight		kg	165	165
Sound power level	Max	dB(A)	73	76
Sound pressure level	Max	dB(A)	60	63
Volume of air treated	Standard	m3/h	7800	8100
Fan static pressure	Max	Pa	35	35
Operating range (outdoor temperature)	Cooling	°C	-15~50	-15~50
	Heating	°C	-20~15.5	-20~15.5
Connectable indoor units	**Min ~ Max**	**nb.**	**1 ~ 8**	**1 ~ 8**
	Capacity	%	**50 ~ 120**	**50 ~ 120**

1. Value measured according to the harmonised standard EN14511. 2. EU Regulations No. 206/2012 - No. 2281/2016 - Value measured according to the harmonised standard EN14825. 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.