

# HEAT PUMP KXZ



# MICRO SMART

CONNECT UP  
TO 8 INDOOR  
UNITS/120%  
CAPACITY

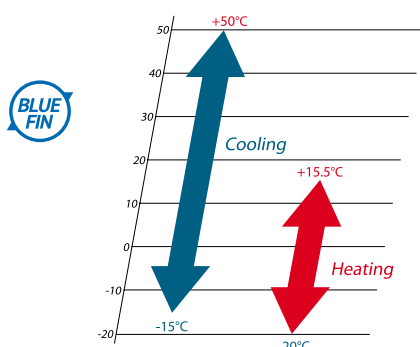
FDC 224 KXZPE1  
22.4 kW 3-Phase

FDC 280 KXZPE1  
28.0 kW 3-Phase

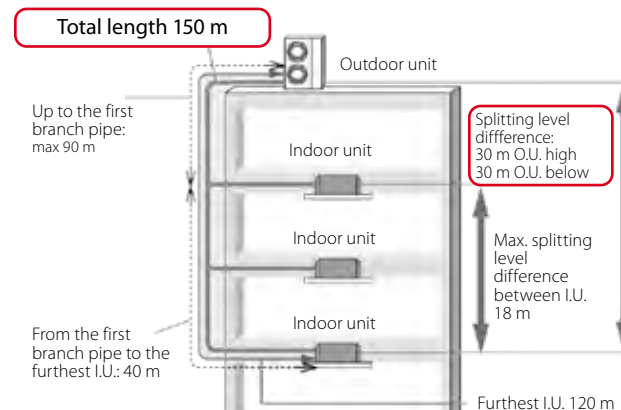
## FEATURES

- 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

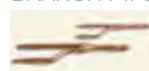


8~10HP (22.4~28.0 kW)

## 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	ø12.7	
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 <sup>1</sup>	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 <sup>1</sup>	4.67	4.33	
Seasonal data						
Seasonal energy efficiency index		Cooling	SEER <sup>2</sup>	6.65	6.68	
		Heating	SCOP <sup>2</sup>	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 <sup>3</sup>		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		Cooling	°C	-15~50	-15~50	
(outdoor temperature)		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 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.