

KXZRX2 Hi-COP VRF-T MODULAR SYSTEM

Record efficiency in heating and cooling

Greater energy efficiency with KXZRXE2 heat recovery systems, in any combination of outdoor units.



16~36HP
(45.0~100 kW)

HEAT RECOVERY KXR2

KXR2 Hi-COP

CONNECT UP TO 71 INDOOR UNITS/160% CAPACITY (200% FOR FDC 450)

- FDC 450 KXR2E2 (FDC 224+FDC 224) 45.0 kW
- FDC 500 KXR2E2 (FDC 224+FDC 280) 50.0 kW
- FDC 560 KXR2E2 (FDC 280+FDC 280) 56.0 kW
- FDC 615 KXR2E2 (FDC 280+FDC 335) 61.5 kW
- FDC 670 KXR2E2 (FDC 335+FDC 335) 67.0 kW

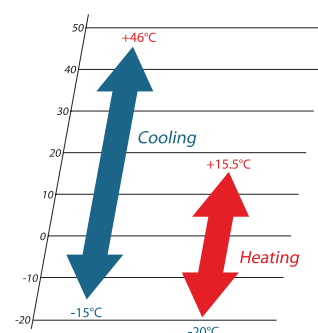
FEATURES

- Maximum energy efficiency: COP 4.27 and EER 3.91 (16HP)
- Only DC Inverter compressors
- Splitting distance: up to 1000 m in total and with a max. distance between the O.U. and the furthest I.U. of 160 m
- Up to 85 Pa fan static pressure



16~24HP
(45.0~67.0 kW)

OPERATING RANGE



COMBINATIONS

Outdoor unit model			FDC 450 KXR2E2	FDC 500 KXR2E2	FDC 560 KXR2E2	FDC 615 KXR2E2	FDC 670 KXR2E2
Combinations			FDC 224 KXR2E2 FDC 224 KXR2E2	FDC 224 KXR2E2 FDC 280 KXR2E2	FDC 280 KXR2E2 FDC 280 KXR2E2	FDC 280 KXR2E2 FDC 335KXR2E2	FDC 335 KXR2E2 FDC 335 KXR2E2
Power class			16	18	20	22	24
Rated capacity	Cooling	HP	45.00	50.00	56.00	61.50	67.00
		kW	11.52	13.15	14.78	17.04	19.30
Rated energy efficiency coefficient	Cooling	EER ¹	3.91	3.80	3.79	3.61	3.47
		kW	45.00	50.00	56.00	61.50	67.00
Rated power input	Heating	kW	10.54	12.13	13.72	15.30	16.88
		COP ¹	4.27	4.12	4.08	4.02	3.97
Electrical data							
Power supply		Ph-V-Hz	3Ph-380~415V-50Hz				
Rated current	Cooling	A	20.20	22.30	24.40	28.00	31.50
	Heating	A	18.20	20.40	22.70	25.10	27.60
Maximum current		A	32.00	36.00	40.00	41.20	42.40
Refrigerant circuit data							
Refrigerant ²		type (GWP)	R410A (2088)				
Q.ty of refrigerant pre-charge ³ (tons of CO2 equivalent)		kg	23 (48.024)	23 (48.024)	23 (48.024)	23 (48.024)	23 (48.024)
Piping diameter ⁴	Liquid	inch	1/2" (12.7)	1/2" (12.7)	1/2" (12.7)	1/2" (12.7)	1/2" (12.7)
	Gas LP	inch	1-1/8" (28.58)	1-1/8" (28.58)	1-1/8" (28.58)	1-1/8" (28.58)	1-1/8" (28.58)
	Gas HP	mm	7/8" (22.2)	7/8" (22.2)	7/8" (22.2)	1" (25.4)	1" (25.4)
	Oil balancing		3/8" (9.52)	3/8" (9.52)	3/8" (9.52)	3/8" (9.52)	3/8" (9.52)
Product specifications							
Dimensions		HxLxD	mm 1697x2700x720				
Net weight		kg	610	610	610	610	610
Connectable indoor units ⁵	Min ~ Max	nb.	2 ~ 60	2 ~ 53	2 ~ 59	2 ~ 65	2 ~ 71
	Capacity	%	80 ~ 200	80 ~ 160	80 ~ 160	80 ~ 160	80 ~ 160

1. Value measured according to the harmonised standard EN 14511.2. 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. 3. For the calculation of the additional refrigerant charge, refer to the labels positioned inside and outside the unit. 4. The diameters indicated refer to the section up to the first junction, with an equivalent length of less than 90 m. 5. When connecting indoor units of type FDK, FDFL, FDFU or FDFW the upper limit is always 130%.

HEAT RECOVERY KXZR2

KXZR2 Hi-COP

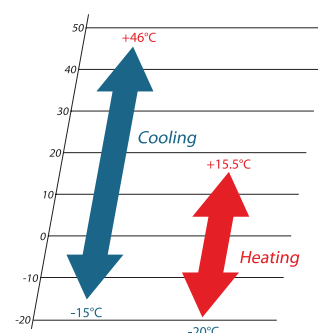
CONNECT UP TO 80 INDOOR UNITS/160% CAPACITY (130% FOR FDC 1000)

- FDC 735 KXZR2E2 (FDC 224+FDC 224+FDC 280) 73.5 kW
- FDC 800 KXZR2E2 (FDC 224+FDC 280+FDC 280) 80.0 kW
- FDC 850 KXZR2E2 (FDC 280+FDC 280+FDC 280) 85.0 kW
- FDC 900 KXZR2E2 (FDC 280+FDC 280+FDC 335) 90.0 kW
- FDC 950 KXZR2E2 (FDC 280 +FDC 335+FDC 335) 95.0 kW
- FDC 1000 KXZR2E2 (FDC 335+FDC 335+ FDC 335) 100.0 kW

FEATURES

- Maximum energy efficiency: COP 4.22 and EER 3.89 (26HP)
- Only DC Inverter compressors
- Splitting distance: up to 1000 m in total and with a max. distance between the O.U. and the furthest I.U. of 160 m
- Up to 85 Pa fan static pressure

OPERATING RANGE



26~36HP
(73.5~100.0 kW)

COMBINATIONS

Outdoor unit model			FDC 735 KXZR2E2	FDC 800 KXZR2E2	FDC 850 KXZR2E2	FDC 900 KXZR2E2	FDC 950 KXZR2E2	FDC 1000 KXZR2E2		
Combinations			FDC 224 KXZR2E2	FDC 224 KXZR2E2	FDC 280 KXZR2E2	FDC 280 KXZR2E2	FDC 280 KXZR2E2	FDC 335 KXZR2E2		
			FDC 224 KXZR2E2	FDC 280 KXZR2E2	FDC 280 KXZR2E2	FDC 335 KXZR2E2	FDC 335 KXZR2E2	FDC 335 KXZR2E2		
Power class			HP	26	28	30	32	34		
Rated capacity			kW	73.50	80.00	85.00	90.00	95.00		
Rated power input			kW	18.91	20.54	22.17	24.43	26.69		
Rated energy efficiency coefficient			EER ¹	3.89	3.89	3.83	3.68	3.56		
Rated capacity			kW	73.50	80.00	85.00	90.00	95.00		
Rated power input			kW	17.40	18.99	20.58	22.16	23.74		
Rated energy performance coefficient			COP ¹	4.22	4.21	4.13	4.06	4.00		
Electrical data										
Power supply			Ph-V-Hz	3Ph-380~415V-50Hz						
Rated current			Cooling	A	32.40	34.50	36.60	40.20	43.70	
			Heating	A	29.50	31.80	34.00	36.40	38.90	
Maximum current			A	52.00	56.00	60.00	61.20	62.40	63.60	
Refrigerant circuit data										
Refrigerant ²			type (GWP)	R410A (2088)						
Q.ty of refrigerant pre-charge ³ (tons of CO2 equivalent)			kg	34.5 (72.036)	34.5 (72.036)	34.5 (72.036)	34.5 (72.036)	34.5 (72.036)	34.5 (72.036)	
Piping diameter ⁴			Liquid	inch	5/8" (15.88)	5/8" (15.88)	5/8" (15.88)	5/8" (15.88)	5/8" (15.88)	
				mm	1-1/4" (31.75)	1-1/4" (31.75)	1-1/4" (31.75)	1-1/4" (31.75)	1-1/4" (31.75)	1-1/2" (38.1)
			Gas LP	inch	1" (25.4)	1-1/8" (28.58)	1-1/8" (28.58)	1-1/8" (28.58)	1-1/8" (28.58)	1-1/8" (28.58)
			Gas HP	mm	3/8" (9.52)	3/8" (9.52)	3/8" (9.52)	3/8" (9.52)	3/8" (9.52)	3/8" (9.52)
Oil balancing				3/8" (9.52)	3/8" (9.52)	3/8" (9.52)	3/8" (9.52)	3/8" (9.52)	3/8" (9.52)	
Product specifications										
Dimensions			HxLxD	mm 1697x4050x720						
Net weight			kg	915	915	915	915	915	915	
Connectable indoor units ⁵			Min ~ Max	nb.	3 ~ 78	3 ~ 80	3 ~ 80	3 ~ 80	3 ~ 80	
			Capacity	%	80 ~ 160	80 ~ 160	80 ~ 160	80 ~ 160	80 ~ 160	80 ~ 130

1. Value measured according to the harmonised standard EN 14511.2. 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. 3. For the calculation of the additional refrigerant charge, refer to the labels positioned inside and outside the unit. 4. The diameters indicated refer to the first junction, with an equivalent length of less than 90 m. 5. When connecting indoor units of type FDk, FDFL, FDFU or FDFW the upper limit is always 130%.