



Producer: **Copeland**
 Line: **Standard**
 Model: **KJ-7X-CAG**
 Cooling capacity [kW]:
 Displacement [m³/h]: **5.1**
 Refrigerant: **R22, R134a, R404A**
 Capacity control: **None, Inverter (option)**
 Power supply: **230V/1Ph/50Hz**

Data

Technical data

Displacement	[m ³ /h]	5.1
Cylinders quantity		2
Cylinder bore	[mm]	39.7
Cylinder stroke	[mm]	23.8
Oil charge	[l]	0.65
Oil type		POE RL32-3MAF
Type of lubrication		Splash lubrication
Net weight	[kg]	39.00
Gross weight	[kg]	41.00

Electrical data and limits

Power supply		230V/1Ph/50Hz
Maximum continuous current	[A]	5.8
Locked rotor amperage	[A]	34.5
Maximum motor frequency	[Hz]	60
Minimum motor frequency	[Hz]	25
Maximum suction pressure	[bar]	22.5
Maximum discharge pressure	[bar]	32.5

Dimensions

Suction valve diameter	[inch]	5/8
Discharge valve diameter	[inch]	1/2
Length	[mm]	365
Height	[mm]	280
Width	[mm]	235

Other

Approved refrigerants	R22, R134a, R404A
Allowed oil types	POE RL32-3MAF, POE MOBIL EAL Arctic 22 CC
Capacity control	None, Inverter (option)
Protection rating	IP54 (IEC34)

Performance

Nominal conditions: refrigerant: R404A, evaporation: -10°C (dew point), condensation: 45°C (dew point), superheating: 10K, subcooling: 0°C

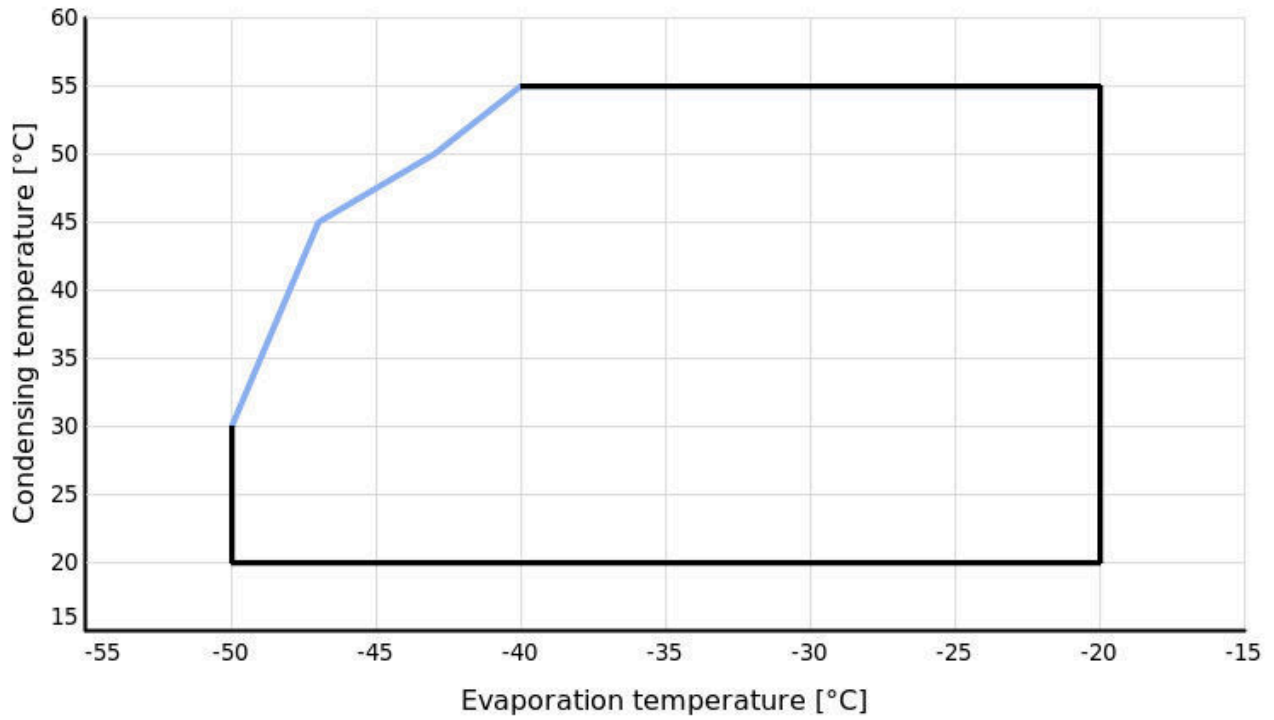
Cooling capacity

		Evaporation temperature [°C]						
		-50	-45	-40	-35	-30	-25	-20
Condensation temperature [°C]	20	0.35	0.56	0.81	1.11	1.47	1.89	2.39
	25	0.27	0.47	0.71	0.99	1.33	1.73	2.19
	30	0.20	0.38	0.60	0.87	1.18	1.56	2.00
	35		0.30	0.50	0.75	1.04	1.39	1.79
	40		0.22	0.40	0.63	0.89	1.21	1.59
	45		0.16	0.31	0.51	0.75	1.04	1.39
	50			0.23	0.40	0.62	0.88	1.19
	55			0.16	0.30	0.49	0.71	0.99

Power consumption

		Evaporation temperature [°C]						
		-50	-45	-40	-35	-30	-25	-20
Condensation temperature [°C]	20	0.62	0.65	0.69	0.72	0.75	0.78	0.79
	25	0.57	0.62	0.67	0.72	0.77	0.81	0.85
	30	0.51	0.58	0.65	0.72	0.78	0.85	0.90
	35		0.54	0.62	0.71	0.79	0.87	0.95
	40		0.49	0.59	0.69	0.79	0.89	0.99
	45		0.44	0.56	0.67	0.79	0.91	1.02
	50			0.52	0.65	0.79	0.92	1.05
	55			0.47	0.62	0.77	0.93	1.07

Application range



Legend

■ Suction gas temperature: 25°C, additional head cooling

Dimensions

