

Producer: **Copeland**
 Line: **Standard**
 Cooling capacity [kW]: **3.39**
 Displacement [m³/h]: **7.4**
 Refrigerant: **R22**
 Capacity control: **None, Inverter (option)**
 Power supply: **400V/3Ph/50Hz**

Data

Technical data

Displacement	[m ³ /h]	7.4
Cylinders quantity		2
Cylinder bore	[mm]	47.6
Cylinder stroke	[mm]	23.8
Oil charge	[l]	0.65
Oil type		Suniso 3GS
Type of lubrication		Splash lubrication
Net weight	[kg]	39.00
Gross weight	[kg]	41.00

Electrical data and limits

Power supply		400V/3Ph/50Hz
Maximum continuous current	[A]	3.1
Locked rotor amperage	[A]	20.4
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]	355
Height	[mm]	280
Width	[mm]	235

Other

Approved refrigerants	R22
Allowed oil types	Suniso 3GS, TEXACO Capella WF 32, FUCHS Reniso KM
Capacity control	None, Inverter (option)
Protection rating	IP 54 (IEC 34)

Performance

Nominal conditions: refrigerant: R22, evaporation: -10°C (dew point), condensation: 45°C (dew point), superheating: 10K, subcooling: 0K

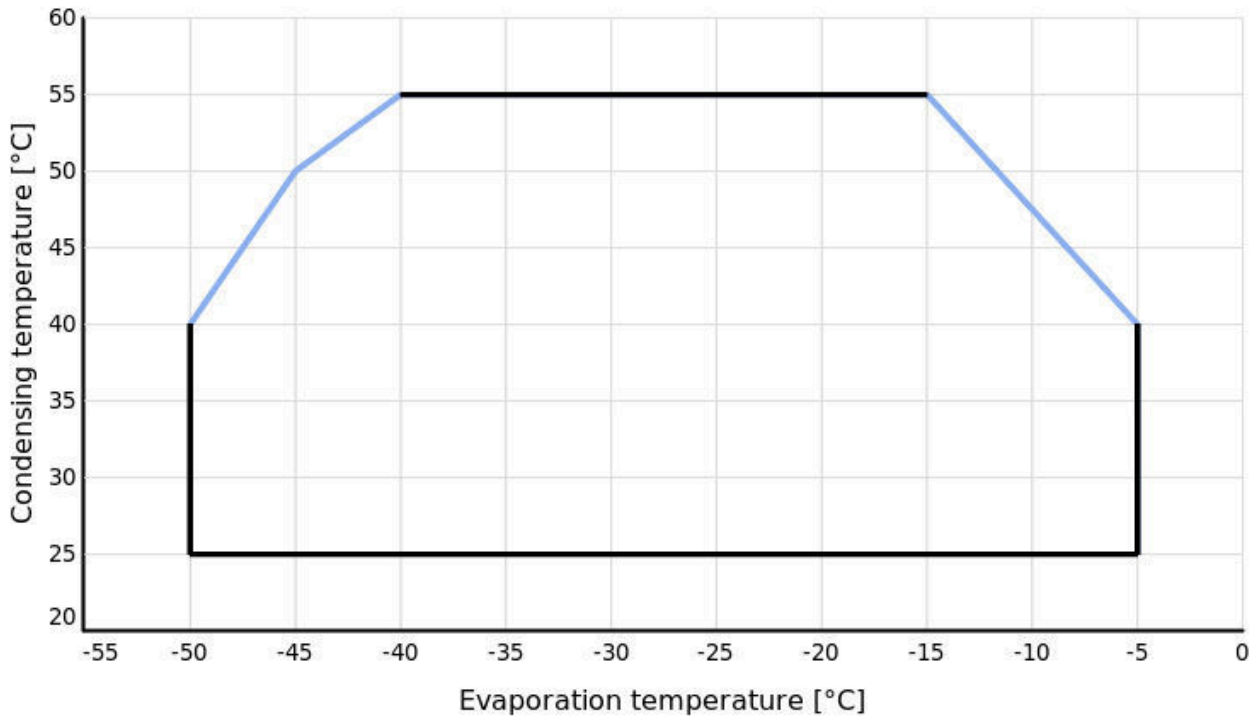
Cooling capacity

		Evaporation temperature [°C]									
		-50	-45	-40	-35	-30	-25	-20	-15	-10	-5
Condensation temperature [°C]	25	0.38	0.62	0.92	1.29	1.74	2.27	2.90	3.63	4.48	5.45
	30	0.31	0.53	0.81	1.16	1.59	2.09	2.69	3.39	4.20	5.13
	35	0.23	0.44	0.71	1.03	1.43	1.91	2.48	3.15	3.93	4.82
	40	0.16	0.35	0.60	0.91	1.28	1.74	2.28	2.91	3.66	4.51
	45		0.27	0.50	0.79	1.14	1.57	2.08	2.68	3.39	
	50		0.20	0.40	0.67	1.00	1.40	1.88	2.46		
	55			0.31	0.56	0.86	1.24	1.69	2.24		

Power consumption

		Evaporation temperature [°C]									
		-50	-45	-40	-35	-30	-25	-20	-15	-10	-5
Condensation temperature [°C]	25	0.55	0.66	0.75	0.84	0.93	1.01	1.09	1.17	1.26	1.34
	30	0.54	0.66	0.77	0.88	0.98	1.07	1.17	1.26	1.36	1.45
	35	0.52	0.66	0.78	0.90	1.02	1.13	1.24	1.34	1.45	1.55
	40	0.49	0.64	0.79	0.92	1.05	1.17	1.29	1.41	1.53	1.65
	45		0.62	0.78	0.93	1.07	1.21	1.35	1.48	1.61	
	50		0.59	0.77	0.93	1.09	1.24	1.39	1.54		
	55			0.75	0.93	1.10	1.27	1.43	1.59		

Application range



Legend

Suction gas temperature: 25°C, additional head cooling

Dimensions

