



Producer: **Copeland**
 Line: **Standard**
 Model: **LE-201**
 Cooling capacity [kW]: **4.33**
 Displacement [m³/h]: **9.9**
 Refrigerant: **R22**
 Capacity control: **None, Inverter (option)**
 Power supply: **400V/3Ph/50Hz**

Data

Technical data

Displacement	[m ³ /h]	9.9
Cylinders quantity		2
Cylinder bore	[mm]	44.5
Cylinder stroke	[mm]	36.5
Oil charge	[l]	2.00
Oil type		Suniso 3GS
Type of lubrication		Splash lubrication
Net weight	[kg]	78.00
Gross weight	[kg]	84.00

Electrical data and limits

Power supply		400V/3Ph/50Hz
Maximum continuous current	[A]	5.7
Locked rotor amperage	[A]	37.6
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]	7/8
Discharge valve diameter	[inch]	5/8
Length	[mm]	460
Height	[mm]	385
Width	[mm]	330

Other

Approved refrigerants	R22
Allowed oil types	Suniso 3GS, TEXACO Capella WF 32, FUCHS Reniso KM
Capacity control	None, Inverter (option)
Protection rating	IP54 (IEC34)

Performance

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

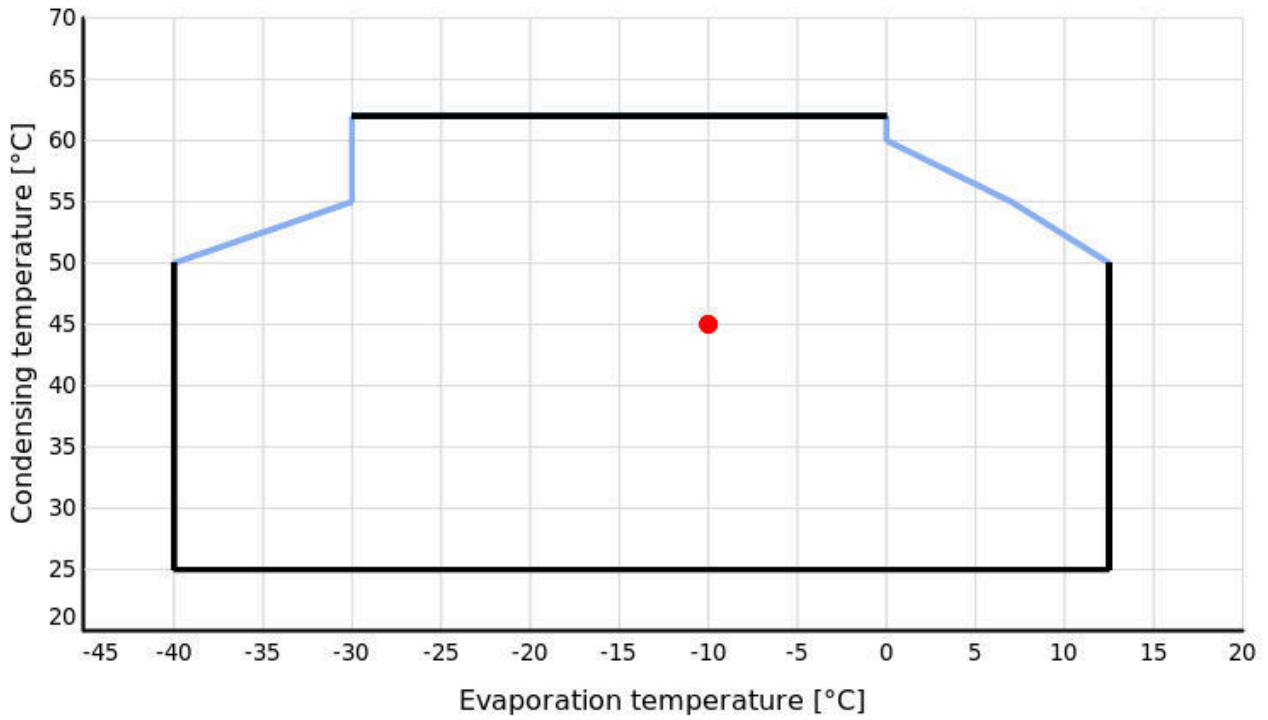
Cooling capacity

		Evaporation temperature [°C]												
		-40	-35	-30	-25	-20	-15	-10	-5	0	5	7	10	12.5
Condensation temperature [°C]	25	0.89	1.38	2.01	2.78	3.70	4.80	6.07	7.53	9.20	11.08	11.90	13.19	14.34
	30	0.72	1.18	1.77	2.50	3.37	4.41	5.61	7.00	8.59	10.40	11.18	12.42	13.51
	35	0.57	1.00	1.55	2.23	3.05	4.03	5.17	6.49	8.01	9.72	10.47	11.66	12.71
	40	0.43	0.82	1.33	1.97	2.74	3.66	4.74	5.99	7.43	9.07	9.78	10.92	11.92
	45	0.31	0.66	1.13	1.72	2.45	3.31	4.33	5.51	6.87	8.43	9.11	10.19	11.16
	50	0.20	0.52	0.95	1.50	2.17	2.97	3.93	5.04	6.33	7.81	8.46	9.49	10.41
	55			0.78	1.28	1.90	2.66	3.55	4.60	5.81	7.21	7.82		
	60			0.63	1.09	1.66	2.36	3.19	4.17	5.31				
	62			0.58	1.02	1.57	2.24	3.05	4.00	5.11				

Power consumption

		Evaporation temperature [°C]												
		-40	-35	-30	-25	-20	-15	-10	-5	0	5	7	10	12.5
Condensation temperature [°C]	25	0.99	1.13	1.26	1.39	1.50	1.60	1.67	1.71	1.71	1.66	1.63	1.57	1.49
	30	0.97	1.12	1.27	1.42	1.56	1.69	1.79	1.86	1.90	1.90	1.88	1.84	1.80
	35	0.94	1.11	1.28	1.45	1.61	1.76	1.90	2.00	2.08	2.11	2.11	2.10	2.08
	40	0.91	1.09	1.27	1.46	1.65	1.83	1.99	2.13	2.24	2.31	2.33	2.34	2.34
	45	0.88	1.07	1.27	1.47	1.68	1.88	2.07	2.24	2.39	2.50	2.53	2.57	2.59
	50	0.84	1.04	1.25	1.48	1.71	1.93	2.15	2.35	2.52	2.67	2.72	2.78	2.82
	55			1.24	1.48	1.72	1.97	2.21	2.44	2.64	2.82	2.89		
	60			1.22	1.47	1.73	2.00	2.26	2.52	2.75				
	62			1.21	1.47	1.74	2.01	2.28	2.55	2.79				

Application range



Legend

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