

Producer: **Copeland**
 Line: **Standard**
 Model: **KL-150-EWL**
 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	IP54 (IEC34)

Performance

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

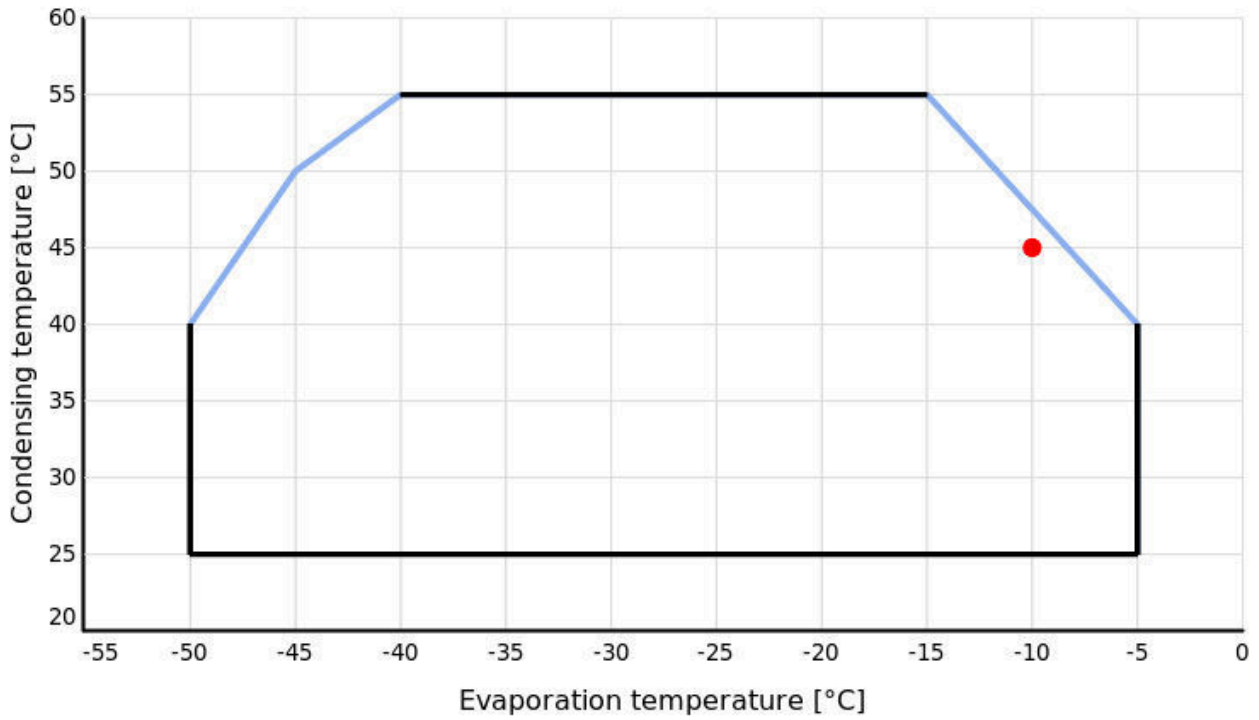
Cooling capacity

		Evaporation temperature [°C]									
		-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

