

Producer: **Copeland**

Line: **Standard**

Model: **KL-15X-EWL**

Cooling capacity [kW]:

Displacement [m³/h]: **7.4**

Refrigerant: **R22, R134a, R404A, R407F, R448A, R449A**

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		POE RL32-3MAF
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]	3.4
Locked rotor amperage	[A]	19.1
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, R407F, R448A, R449A
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

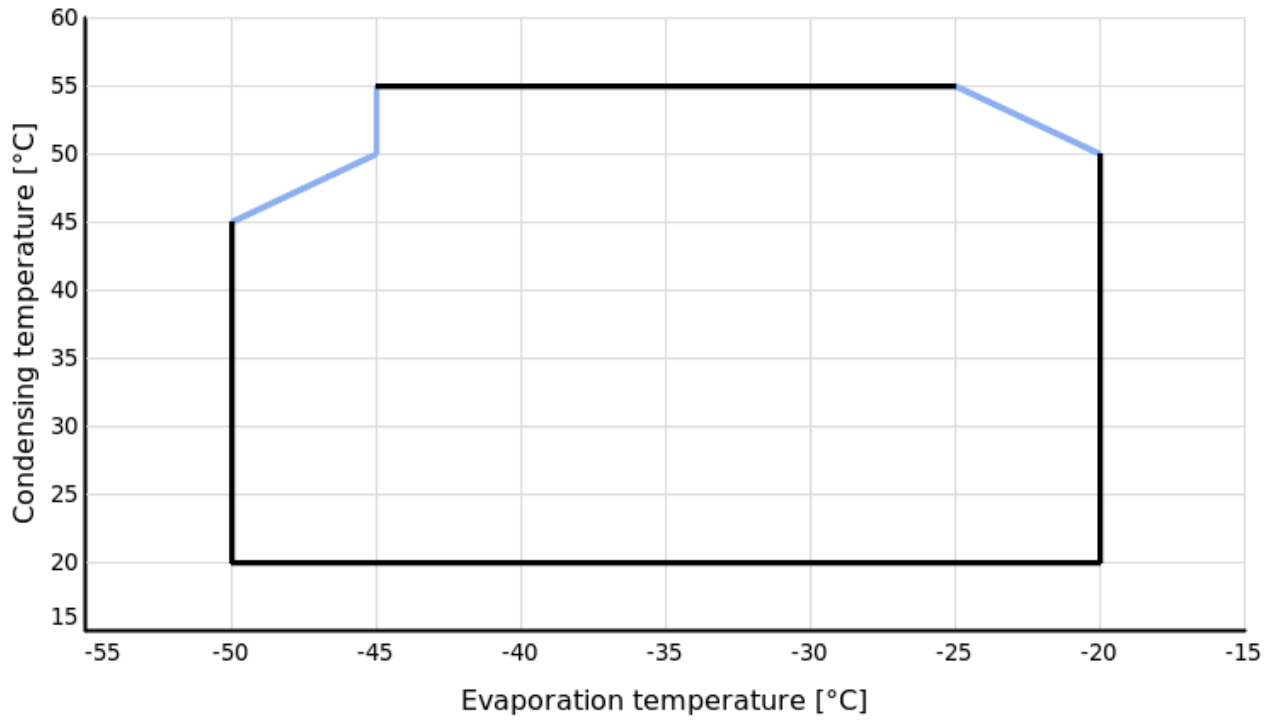
Cooling capacity

		Evaporation temperature [°C]						
		-50	-45	-40	-35	-30	-25	-20
Condensation temperature [°C]	20	0.61	0.90	1.24	1.65	2.15	2.74	3.43
	25	0.51	0.78	1.10	1.50	1.96	2.52	3.17
	30	0.41	0.66	0.97	1.33	1.77	2.29	2.91
	35	0.31	0.55	0.83	1.17	1.58	2.07	2.64
	40	0.23	0.44	0.70	1.01	1.39	1.84	2.37
	45	0.15	0.33	0.56	0.85	1.19	1.61	2.10
	50		0.24	0.44	0.69	1.00	1.38	1.83
	55		0.15	0.32	0.54	0.81	1.15	

Power consumption

		Evaporation temperature [°C]						
		-50	-45	-40	-35	-30	-25	-20
Condensation temperature [°C]	20	0.74	0.82	0.90	0.97	1.04	1.10	1.15
	25	0.73	0.82	0.91	0.99	1.08	1.16	1.23
	30	0.71	0.81	0.91	1.01	1.12	1.22	1.31
	35	0.68	0.79	0.91	1.03	1.15	1.27	1.39
	40	0.65	0.77	0.90	1.04	1.18	1.32	1.46
	45	0.60	0.74	0.89	1.04	1.20	1.36	1.53
	50		0.70	0.87	1.04	1.22	1.40	1.59
	55		0.66	0.84	1.03	1.23	1.44	

Application range



Legend

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

Dimensions

