

Producer: **Copeland**
 Line: **Standard**
 Model: **KSJ-15X-EWL**
 Cooling capacity [kW]: **2.92**
 Displacement [m³/h]: **6.3**
 Refrigerant: **R22, R404A, R407F, R448A, R449A**
 Capacity control: **None, Inverter (option)**
 Power supply: **400V/3Ph/50Hz**

Data

Technical data

Displacement	[m ³ /h]	6.3
Cylinders quantity		2
Cylinder bore	[mm]	40.0
Cylinder stroke	[mm]	29.4
Oil charge	[l]	0.65
Oil type		POE RL32-3MAF
Type of lubrication		Splash lubrication
Net weight	[kg]	40.00
Gross weight	[kg]	42.00

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, 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

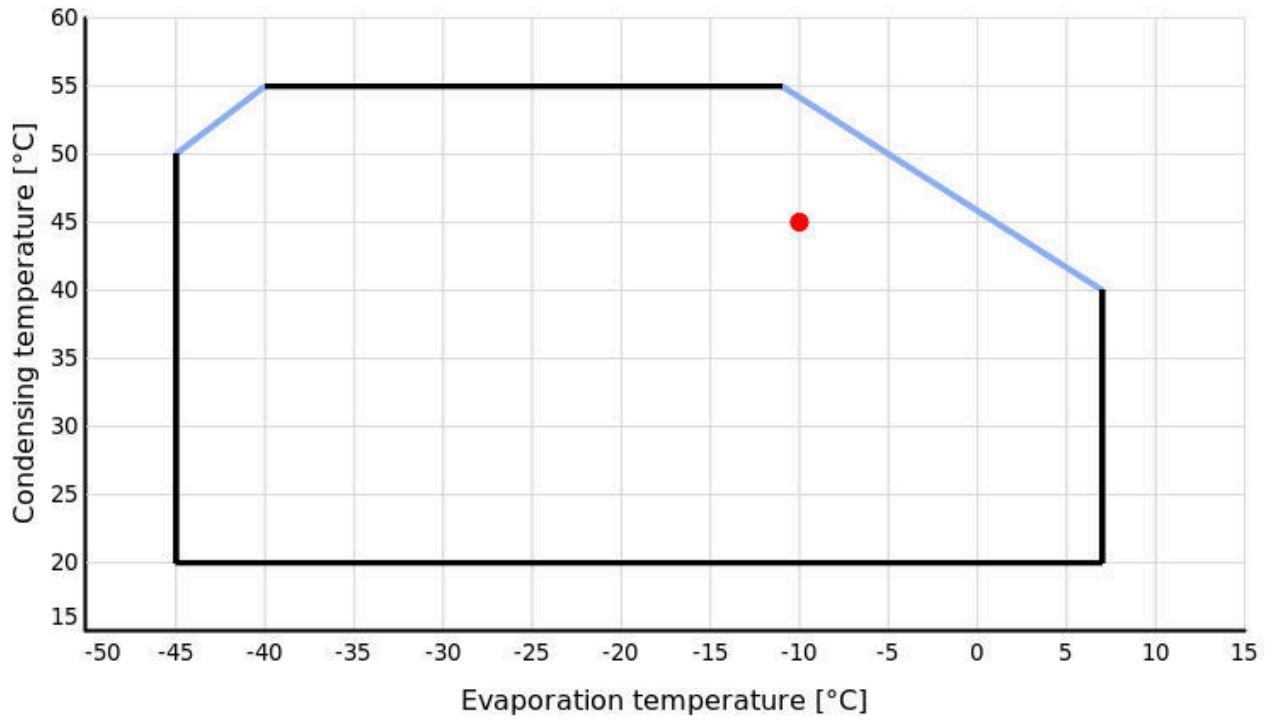
Cooling capacity

		Evaporation temperature [°C]											
		-45	-40	-35	-30	-25	-20	-15	-10	-5	0	5	7
Condensation temperature [°C]	20	0.73	1.04	1.42	1.86	2.40	3.03	3.78	4.65	5.67	6.83	8.15	8.72
	25	0.62	0.91	1.27	1.68	2.19	2.78	3.48	4.30	5.26	6.35	7.60	8.15
	30	0.52	0.79	1.12	1.51	1.97	2.53	3.18	3.95	4.85	5.88	7.07	7.58
	35	0.42	0.67	0.97	1.33	1.77	2.28	2.89	3.61	4.45	5.42	6.54	7.03
	40	0.32	0.56	0.83	1.16	1.56	2.03	2.60	3.26	4.05	4.96	6.01	6.48
	45	0.24	0.45	0.70	1.00	1.36	1.79	2.31	2.92	3.65	4.50		
	50	0.16	0.34	0.57	0.84	1.16	1.55	2.02	2.59	3.26			
	55		0.25	0.45	0.68	0.97	1.32	1.74					

Power consumption

		Evaporation temperature [°C]											
		-45	-40	-35	-30	-25	-20	-15	-10	-5	0	5	7
Condensation temperature [°C]	20	0.64	0.76	0.87	0.98	1.07	1.15	1.20	1.21	1.18	1.11	0.98	0.91
	25	0.63	0.75	0.87	1.00	1.11	1.21	1.28	1.33	1.33	1.30	1.21	1.16
	30	0.62	0.74	0.87	1.01	1.14	1.25	1.35	1.43	1.47	1.47	1.42	1.39
	35	0.60	0.72	0.86	1.01	1.15	1.29	1.41	1.51	1.59	1.62	1.62	1.60
	40	0.58	0.71	0.85	1.01	1.17	1.32	1.46	1.59	1.69	1.76	1.80	1.80
	45	0.58	0.70	0.85	1.01	1.18	1.35	1.51	1.66	1.79	1.89		
	50	0.57	0.69	0.84	1.01	1.19	1.37	1.55	1.72	1.88			
	55		0.70	0.84	1.01	1.20	1.40	1.59					

Application range



Legend

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

Dimensions

