



Producer: **Copeland**
 Line: **ZP**
 Model: **ZP122KCE-TFD**
 Cooling capacity [kW]: **16.19**
 Displacement [m³/h]: **19.5**
 Refrigerant: **R410A**
 Capacity control: **None**
 Power supply: **400V/3Ph/50Hz**

Data

Technical data

Displacement	[m ³ /h]	19.5
Oil charge	[l]	2.51
Oil type		POE RL32-3MAF
Internal free volume	[dm ³]	7.2
Net weight	[kg]	48.80

Electrical data and limits

Power supply		400V/3Ph/50Hz
Maximum continuous current	[A]	21.6
Locked rotor amperage	[A]	139.0
Motor resistance main	[Ω]	1.17
Maximum suction pressure	[bar]	29.5
Maximum discharge pressure	[bar]	45.0
Maximum suction temperature	[°C]	50.0
Minimum suction temperature	[°C]	-35.0

Dimensions

Suction tube diameter	[inch]	1 1/8
Discharge tube diameter	[inch]	7/8
Length	[mm]	297
Height	[mm]	559
Width	[mm]	262

Other

Approved refrigerants	R410A
Allowed oil types	POE RL32-3MAF
Capacity control	None
Protection rating	IP21 (IEC34)

Performance

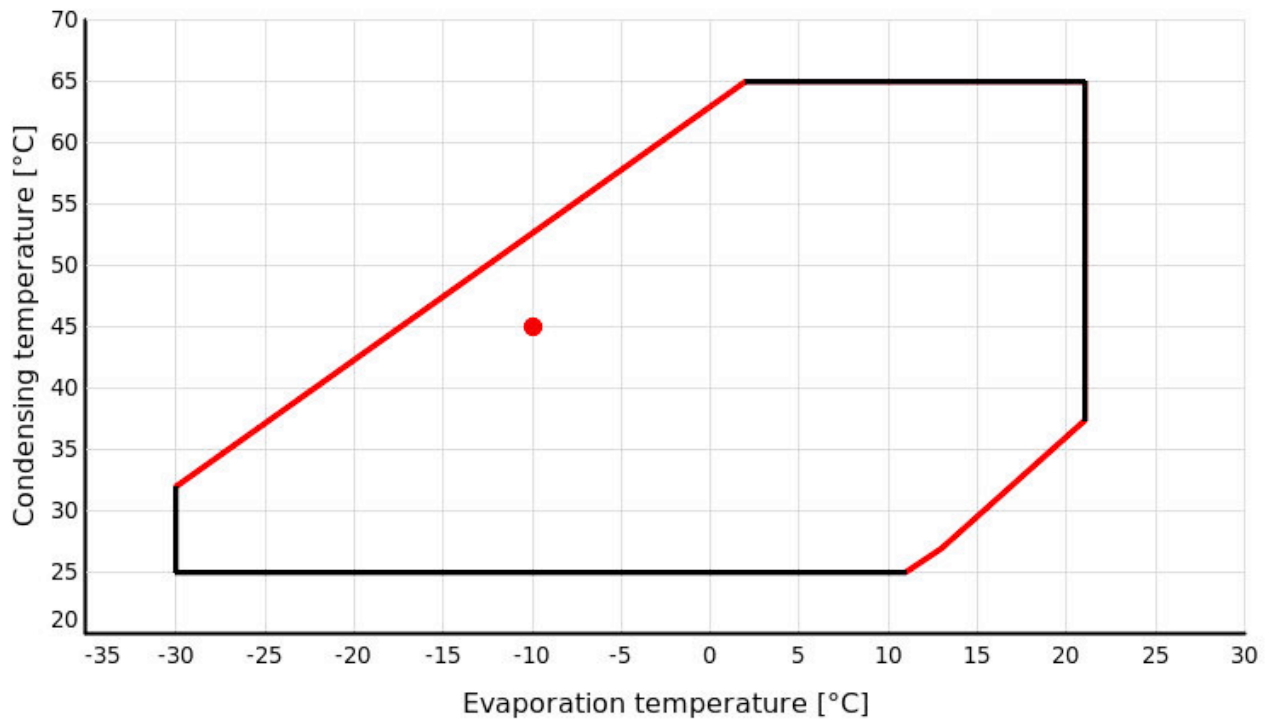
Nominal conditions: refrigerant: R410A , evaporation (dew point): -10 °C, condensation (dew point): 45 °C, superheating: 10 K, subcooling: 0 °C

Cooling capacity [kW]

		Evaporation temperature [°C]												
		-30	-25	-20	-15	-10	-5	0	5	7	10	12.5	15	20
Condensation temperature [°C]	25	8.65	11.00	13.73	16.91	20.63	24.95	29.97	35.75	38.29	42.37			
	30	7.96	10.31	12.98	16.06	19.63	23.76	28.53	34.01	36.42	40.29	43.75	47.43	
	35		9.51	12.15	15.14	18.58	22.52	27.05	32.25	34.53	38.19	41.46	44.95	
	40			11.21	14.13	17.44	21.20	25.51	30.43	32.59	36.05	39.14	42.43	49.66
	45				13.00	16.19	19.79	23.88	28.54	30.58	33.84	36.76	39.86	46.67
	50					14.81	18.25	22.14	26.54	28.46	31.53	34.28	37.19	43.59
	55						16.56	20.24	24.39	26.20	29.08	31.65	34.38	40.36
	60							18.14	22.03	23.72	26.41	28.80	31.34	36.90
	65								19.35	20.91	23.38	25.58	27.92	33.02

Power consumption [kW]

		Evaporation temperature [°C]												
		-30	-25	-20	-15	-10	-5	0	5	7	10	12.5	15	20
Condensation temperature [°C]	25	4.71	4.75	4.77	4.79	4.82	4.86	4.92	5.02	5.07	5.17			
	30	5.23	5.28	5.31	5.33	5.35	5.38	5.43	5.51	5.55	5.63	5.71	5.80	
	35		5.88	5.92	5.94	5.95	5.97	6.01	6.07	6.10	6.16	6.23	6.31	
	40			6.60	6.62	6.64	6.65	6.67	6.72	6.74	6.79	6.84	6.90	7.06
	45				7.39	7.41	7.42	7.43	7.46	7.48	7.51	7.55	7.60	7.73
	50					8.28	8.28	8.29	8.30	8.32	8.34	8.37	8.40	8.50
	55						9.26	9.26	9.26	9.27	9.28	9.30	9.32	9.40
	60							10.35	10.35	10.35	10.35	10.36	10.37	10.42
	65								11.56	11.56	11.55	11.55	11.56	11.59

Application range**Legend**

- Suction gas superheating: 10 K
- Current operating conditions

Dimensions

