



Producer: **Copeland**  
 Line: **ZP**  
 Cooling capacity [kW]: **24.17**  
 Displacement [m<sup>3</sup>/h]: **29.1**  
 Refrigerant: **R410A**  
 Capacity control: **None**  
 Power supply: **400V/3Ph/50Hz**

## Data

### Technical data

Displacement	[m <sup>3</sup> /h]	29.1
Oil charge	[l]	3.25
Oil type		POE RL32-3MAF
Internal free volume	[dm <sup>3</sup> ]	14.0
Net weight	[kg]	66.20
Gross weight	[kg]	77.00

### Electrical data and limits

Power supply		400V/3Ph/50Hz
Maximum continuous current	[A]	34.0
Locked rotor amperage	[A]	174.0
Motor resistance main	[Ω]	0.83
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 3/8
Discharge tube diameter	[inch]	7/8
Length	[mm]	281
Height	[mm]	552
Width	[mm]	285

### Other

Approved refrigerants	R410A
Allowed oil types	POE RL32-3MAF
Capacity control	None
Protection rating	IP 21 (IEC 34)

## Performance

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

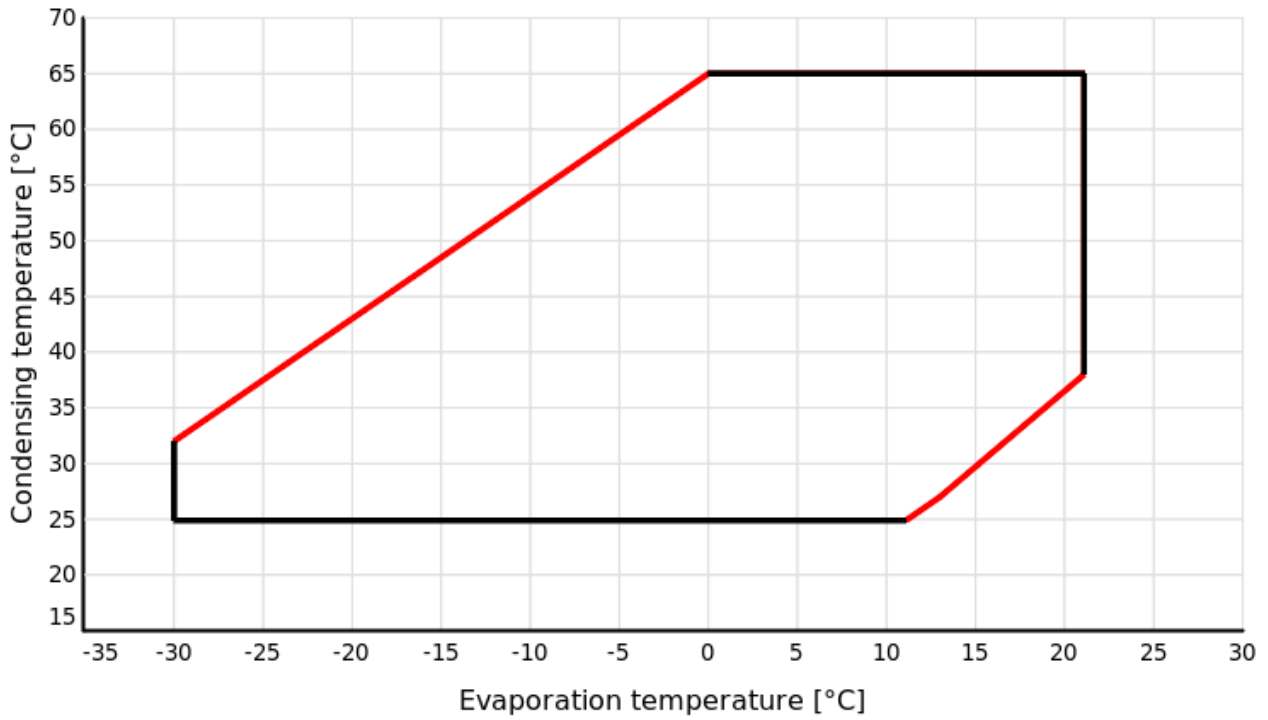
### Cooling capacity

		Evaporation temperature [°C]												
		-30	-25	-20	-15	-10	-5	0	5	7	10	12.5	15	20
Condensation temperature [°C]	25	12.51	16.44	20.67	25.39	30.80	37.09	44.44	53.06	56.90	63.13			
	30	11.14	15.17	19.40	24.03	29.24	35.23	42.20	50.32	53.93	59.79	65.10	70.81	
	35		13.83	18.07	22.62	27.65	33.37	39.96	47.60	51.00	56.50	61.48	66.84	
	40			16.64	21.11	25.98	31.44	37.67	44.85	48.04	53.19	57.84	62.86	74.06
	45				19.45	<b>24.17</b>	29.38	35.26	42.00	44.98	49.79	54.14	58.81	69.26
	50					22.16	27.13	32.68	38.98	41.76	46.24	50.28	54.62	64.32
	55						24.62	29.84	35.72	38.30	42.44	46.17	50.19	59.14
	60							26.65	32.10	34.47	38.28	41.71	45.38	53.58
	65								22.96	27.94	30.10	33.55	36.65	39.97


### Power consumption

		Evaporation temperature [°C]												
		-30	-25	-20	-15	-10	-5	0	5	7	10	12.5	15	20
Condensation temperature [°C]	25	6.75	6.83	6.92	7.02	7.13	7.22	7.31	7.38	7.40	7.42			
	30	7.53	7.59	7.68	7.79	7.90	8.02	8.12	8.22	8.26	8.30	8.33	8.36	
	35		8.45	8.53	8.63	8.74	8.86	8.98	9.09	9.14	9.20	9.24	9.28	
	40			9.50	9.58	9.67	9.79	9.91	10.03	10.08	10.14	10.20	10.25	10.33
	45				10.67	<b>10.74</b>	10.84	10.95	11.06	11.11	11.18	11.24	11.29	11.39
	50					11.98	12.05	12.13	12.23	12.27	12.34	12.39	12.44	12.54
	55						13.44	13.50	13.57	13.60	13.65	13.70	13.74	13.83
	60							15.08	15.11	15.13	15.16	15.19	15.23	15.30
	65								16.91	16.89	16.89	16.90	16.91	16.92

**Application range**



**Legend**

 Suction gas superheating: 10 K

**Dimensions**

