



Producer: **Copeland**

Line: **Stream**

Model: **6MM-30X**

Cooling capacity [kW]: **59.04**

Displacement [m<sup>3</sup>/h]: **121.0**

Refrigerant: **R134a, R404A, R407A, R407F, R448A, R449A, R450A, R454A, R454C, R455A, R513A**

Capacity control: **None, Step (option), Inverter (option)**

Power supply: **400V/3Ph/50Hz**

## Data

### Technical data

Displacement	[m <sup>3</sup> /h]	121.0
Cylinders quantity		6
Cylinder bore	[mm]	71.5
Cylinder stroke	[mm]	57.5
Oil charge	[l]	3.30
Oil type		POE RL32-3MAF
Type of lubrication		Oil pump
Net weight	[kg]	215.00

### Electrical data and limits

Power supply		400V/3Ph/50Hz
Maximum continuous current	[A]	59.7
Locked rotor amperage	[A]	255.0
Maximum suction pressure	[bar]	22.5
Maximum discharge pressure	[bar]	32.5

### Dimensions

Suction valve diameter	[inch]	2 1/8
Discharge valve diameter	[inch]	1 3/8
Length	[mm]	695
Height	[mm]	450
Width	[mm]	547

### Other

Approved refrigerants	R134a, R404A, R407A, R407F, R448A, R449A, R450A, R454A, R454C, R455A, R513A
Allowed oil types	POE RL32-3MAF, POE MOBIL EAL Arctic 22 CC
Capacity control	None, Step (option), 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

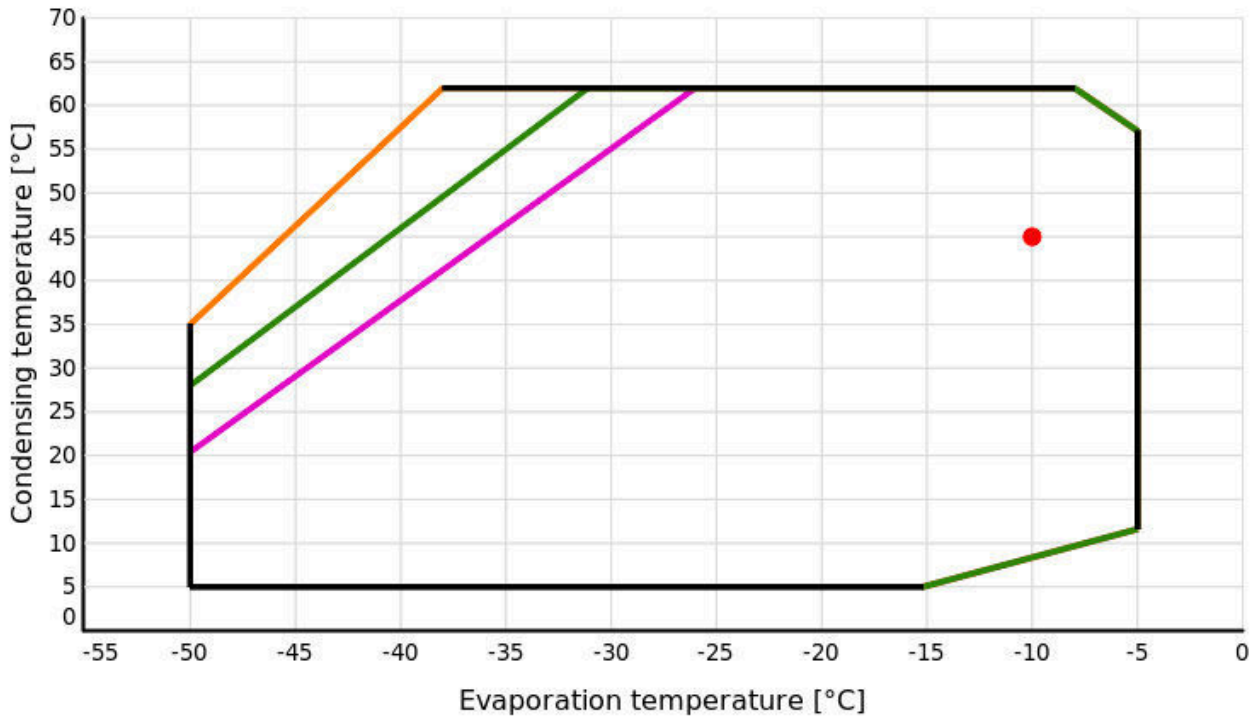
### Cooling capacity

		Evaporation temperature [°C]									
		-50	-45	-40	-35	-30	-25	-20	-15	-10	-5
Condensation temperature [°C]	5	13.67	18.80	25.41	33.73	43.98	56.41	71.26			
	10	12.64	17.59	23.87	31.72	41.39	53.11	67.14	83.72	103.11	
	15	11.54	16.31	22.27	29.66	38.74	49.76	62.96	78.61	96.97	118.27
	20	10.37	14.96	20.60	27.54	36.04	46.35	58.74	73.46	90.78	110.95
	25	9.13	13.54	18.86	25.35	33.27	42.89	54.46	68.25	84.54	103.57
	30	7.83	12.06	17.07	23.11	30.45	39.37	50.12	62.99	78.25	96.15
	35	6.48	10.52	15.20	20.80	27.57	35.79	45.73	57.68	71.90	88.68
	40		8.92	13.29	18.43	24.63	32.16	41.29	52.31	65.50	81.15
	45		7.29	11.32	16.02	21.64	28.48	36.79	46.89	<b>59.04</b>	73.56
	50			9.32	13.56	18.61	24.75	32.25	41.41	52.53	65.92
	55			7.31	11.07	15.54	20.98	27.66	35.89	45.96	58.21
	60				8.59	12.46	17.18	23.03	30.31	39.33	
	62				7.60	11.22	15.65	21.17	28.06	36.65	

### Power consumption

		Evaporation temperature [°C]									
		-50	-45	-40	-35	-30	-25	-20	-15	-10	-5
Condensation temperature [°C]	5	7.93	9.19	10.35	11.39	12.28	12.97	13.46			
	10	8.24	9.62	10.91	12.10	13.15	14.02	14.69	15.12	15.29	
	15	8.53	10.04	11.49	12.84	14.06	15.12	16.00	16.65	17.04	17.15
	20	8.77	10.44	12.05	13.58	14.99	16.26	17.35	18.23	18.87	19.23
	25	8.94	10.77	12.56	14.28	15.90	17.39	18.71	19.83	20.73	21.37
	30	9.00	11.01	13.00	14.92	16.76	18.48	20.05	21.44	22.61	23.54
	35	8.93	11.13	13.32	15.47	17.55	19.51	21.34	23.01	24.47	25.70
	40		11.09	13.51	15.89	18.22	20.45	22.56	24.51	26.27	27.82
	45		10.87	13.52	16.16	18.75	21.26	23.66	25.91	<b>27.99</b>	29.87
	50			13.34	16.24	19.11	21.91	24.61	27.19	29.60	31.83
	55			12.92	16.10	19.26	22.37	25.40	28.31	31.07	33.65
	60				15.71	19.18	22.61	25.97	29.23	32.36	
	62				15.48	19.08	22.64	26.14	29.54	32.82	

**Application range**



**Legend**

- Suction gas superheating: 20 K
- Suction gas temperature: 0°C
- Suction gas temperature: 20°C, ASERCOM certified

Dimensions

