



Producer: **Copeland**
 Line: **EazyCool ZX**
 Model: **ZXME060E-TFD**
 Cooling capacity [kW]: **9.80**
 Displacement [m³/h]: **17.1**
 Refrigerant: **R134a, R404A, R407A, R407F, R448A, R449A, R450A, R513A**
 Capacity control: **None**
 Power supply: **400V/3Ph/50Hz**

Data

Compressor technical data

| | | |
|-------------------|---------------------|---|
| Compressor model | | ZX45KCE-TFD |
| Displacement | [m ³ /h] | 17.1 |
| Oil charge | [l] | 1.77 |
| Oil type | | POE RL32-3MAF |
| Allowed oil types | | POE RL32-3MAF, POE MOBIL EAL Arctic 22 CC |
| Capacity control | | None |

Compressor electrical data and limits

| | | |
|----------------------------|-------|---------------|
| Compressor power supply | | 400V/3Ph/50Hz |
| Maximum continuous current | [A] | 13.1 |
| Locked rotor amperage | [A] | 74.0 |
| Maximum suction pressure | [bar] | 21.0 |
| Maximum discharge pressure | [bar] | 28.8 |

Condenser data

| | | |
|-----------------|---------------------|--------|
| Condenser model | | ZXM_2F |
| Fan model | | 60 W |
| Fan quantity | | 2 |
| Fans power | [W] | 246 |
| Air flow | [m ³ /h] | 5,904 |

Condensing unit data

| | | |
|-----------------------|------|--|
| Receiver volume | [l] | 5.9 |
| Net weight | [kg] | 112 |
| Housing | | Yes |
| Approved refrigerants | | R134a, R404A, R407A, R407F, R448A, R449A, R450A, R513A |

Dimensions

| | | |
|--------|------|-------|
| Length | [mm] | 1,035 |
| Height | [mm] | 1,244 |
| Width | [mm] | 447 |

Connections

| | | |
|-----------------------|--------|-----|
| Suction tube diameter | [inch] | 7/8 |
| Liquid line diameter | [inch] | 1/2 |

Performance

Nominal conditions: refrigerant: R404A , evaporation (dew point): -10 °C, ambient temperature: 32 °C, superheating: 10 K

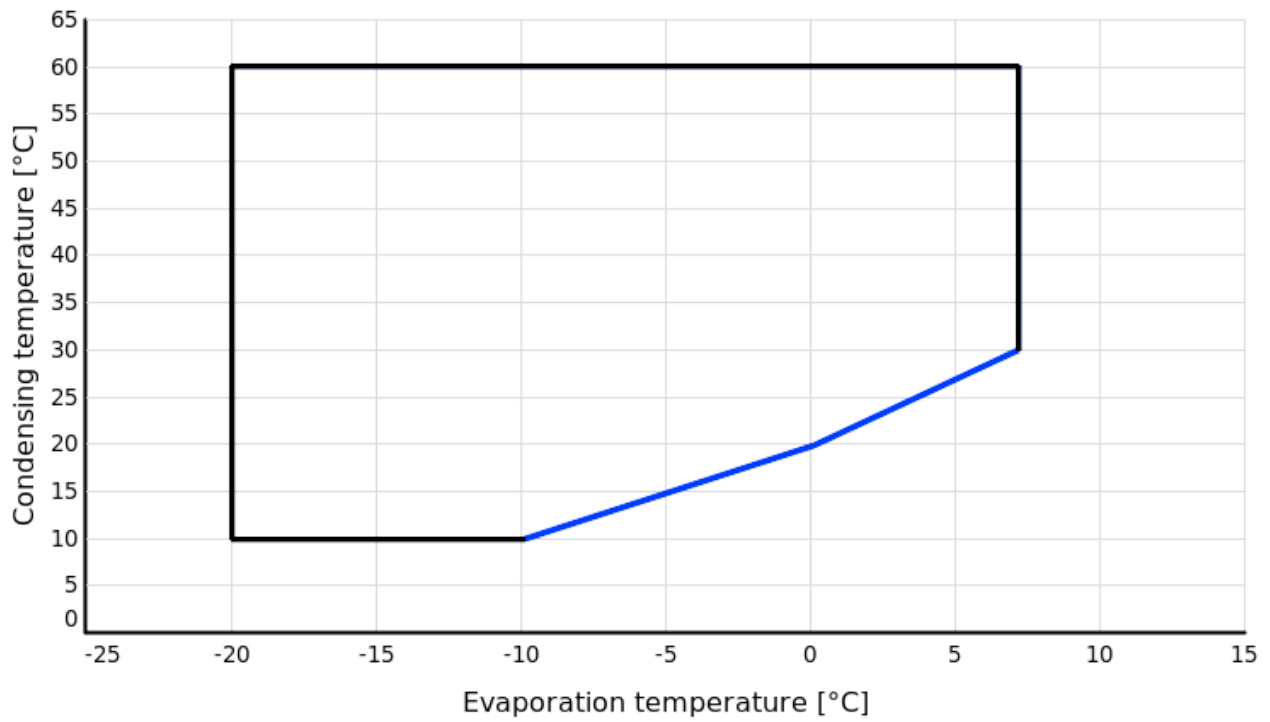
Cooling capacity [kW]

| | | Evaporation temperature [°C] | | | | | | |
|--------------------------|----|------------------------------|------|-------|-------|-------|-------|-------|
| | | -20 | -15 | -10 | -5 | 0 | 5 | 7 |
| Ambient temperature [°C] | 20 | 8.15 | 9.90 | 11.87 | 14.06 | 16.48 | 19.12 | 20.23 |
| | 27 | 7.33 | 8.91 | 10.69 | 12.68 | 14.88 | 17.29 | 18.32 |
| | 32 | 6.69 | 8.15 | 9.80 | 11.64 | 13.68 | 15.94 | 16.89 |
| | 35 | 6.30 | 7.68 | 9.25 | 11.00 | 12.95 | 15.10 | 16.02 |
| | 38 | 5.89 | 7.20 | 8.68 | 10.34 | 12.19 | 14.25 | 15.13 |
| | 41 | 5.47 | 6.70 | 8.10 | 9.67 | 11.42 | 13.38 | 14.22 |
| | 43 | 5.18 | 6.36 | 7.70 | 9.21 | 10.90 | 12.79 | 13.61 |
| | 46 | 4.74 | 5.84 | 7.09 | 8.51 | 10.10 | | |
| | 49 | 4.28 | 5.31 | 6.47 | 7.79 | | | |


Power consumption [kW]

| | | Evaporation temperature [°C] | | | | | | |
|--------------------------|----|------------------------------|------|------|------|------|------|------|
| | | -20 | -15 | -10 | -5 | 0 | 5 | 7 |
| Ambient temperatura [°C] | 20 | 3.50 | 3.61 | 3.73 | 3.87 | 4.02 | 4.19 | 4.26 |
| | 27 | 4.06 | 4.17 | 4.31 | 4.45 | 4.61 | 4.78 | 4.85 |
| | 32 | 4.52 | 4.64 | 4.77 | 4.92 | 5.08 | 5.26 | 5.33 |
| | 35 | 4.82 | 4.95 | 5.08 | 5.23 | 5.39 | 5.57 | 5.64 |
| | 38 | 5.15 | 5.28 | 5.41 | 5.56 | 5.72 | 5.90 | 5.97 |
| | 41 | 5.50 | 5.63 | 5.77 | 5.91 | 6.08 | 6.25 | 6.33 |
| | 43 | 5.75 | 5.88 | 6.01 | 6.16 | 6.32 | 6.50 | 6.57 |
| | 46 | 6.14 | 6.27 | 6.41 | 6.56 | 6.71 | | |
| | 49 | 6.57 | 6.70 | 6.83 | 6.97 | | | |

Application range



Legend

 Suction gas temperature: 20°C

Dimensions

