Compact, efficient and eco-friendly EVO LINE ECO eBoxX 232 eco to eBoxX 512 eco









Looking for a powerful and eco-friendly cooling solution for your industrial processes?

The new **Evo Line eco** chiller range delivers high efficiency while **meeting the latest PFAS regulations.** Designed for industries such as food and packaging, plastics, filtration, surface technology and printing, these advanced chillers ensure **reliable cooling** while significantly **reducing environmental impact.**

With nine models offering **cooling capacities from 226 to 506 kW**, **Evo Line eco** chillers are the perfect choice for businesses looking to optimize efficiency without compromising on sustainability. They feature the **low-GWP refrigerant R32**, a future-proof alternative that supports compliance with the latest PFAS regulations. As an A2L refrigerant, R32 is non-toxic, has low flammability, and helps lower the carbon footprint of industrial cooling applications.

In addition to their environmental benefits, **Evo Line eco** chillers stand out for their high efficiency and reliable performance, making them a strong investment for companies aiming to reduce operational costs while maintaining top-level cooling capacity. Whether you need to meet regulatory requirements or simply want to upgrade to a more energy-efficient solution, **Evo Line eco offers the perfect balance of performance and sustainability**.

TECHNICAL DATA

| KKT chiller type | eBoxX 232 eco | eBoxX 242 eco | eBoxX 272 eco | eBoxX 292 eco | eBoxX 322 eco | eBoxX 352 eco | eBoxX 412 eco | eBoxX 482 eco | eBoxX 512 eco |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------|------------------|-------------------|------------------|------------------|-------------------|------------------|------------------|------------------|
| Cooling capacity 1) | 226 kW | 242 kW | 263 kW | 285 kW | 314 kW | 341 kW | 412 kW | 474 kW | 506 kW |
| Number of compressors | 2 | | 4 | | | | | | |
| Refrigeration circuits | 1 | | 2 | | | | | | |
| Refrigerant | R32 | | | | | | | | |
| Coolant | Water or Water / Glycol | | | | | | | | |
| Refrigerant charge | 16.3 kg | | 26.8 kg 28.0 kg | | | 34.4 kg | kg 36.6 kg | | |
| Refrigerant GWP | | | 675 | | | | | | |
| $\rm CO_2$ equivalent | 11.0 t | | | 18.1 t | | 18.9 t | 23.2 t | 25. | 4 t |
| Polyester oil charge | 10.7 kg | | 15.4 kg | | | 17.7 kg | | 21.5 kg | |
| Coolant outlet temperature | -10 °C to +20 °C | | | | | | | | |
| Setpoint Stability | +/- 2 K | | | | | | | | |
| Water flow rate 1) | 36.7 m³/h | 39.3 m³/h | 42.8 m³/h | 46.3 m³/h | 51.0 m³/h | 55.4 m³/h | 67.0 m³/h | 77.0 m³/h | 82.2 m³/h |
| Internal pressure loss, approx. | 0.61 bar | 0.67 bar | 0.45 bar | 0.47 bar | 0.55 bar | 0.43 bar | 0.65 bar | 0.56 bar | 0.63 bar |
| Tank volume | 360 I | | 700 I | | | | | | |
| Fan | 3 x 1.2 kW | | 4 x 1.2 kW | | | | 6 x 1.2 kW | | |
| Air flow rate | 57,000 m³/h | | 76,000 m³/h | | | | 114,000 m³/h | | |
| Sound pressure level 2) | 59 dB(A) | | 58 dB(A) 60 dB(A) | | | 60 dB(A) | 61 dB(A) | 62 dB(A) | |
| Ambient temperature min. | -15 °C | | | | | | | | |
| Ambient temperature max. | +48 °C | | | | | | | | |
| Nominal water connection 3) | | | DN65 | | | | DN80 | | |
| Operating voltage | 400 V / 3 Ph / 50 Hz | | | | | | | | |
| Power consumption, approx. 4) | 57.7 kW | 63.1 kW | 63.4 kW | 71.5 kW | 79.7 kW | 90.2 kW | 98.4 kW | 119.2 kW | 130.1 kW |
| Operating current, approx. 4) | 89 A | 97 A | 104 A | 115 A | 128 A | 140 A | 153 A | 181 A | 196 A |
| Pre-fuse | 100 A | | 125 A | | | 160 A | | 200 |) A |
| Protection class control cabinet | IP 54 | | | | | | | | |
| Height | 2,480 mm | | | | | | | | |
| Width | 1,130 |) mm | 2,260 mm | | | | | | |
| Length 5) | 3,670 mm | | 2,920 mm | | | | 3,670 mm | | |
| Weight (net) 5) | 1,24 | 0 kg | 1,580 kg 1,640 kg | | | 2,050 kg 2,150 kg | | | |
| 1) Cooling consolity at water supply tomporatives to $2 - 20^{\circ}$ Combinent tomporatives to -25° C. 400V/2, /50Uz, deviations in performance possible according to DN14511 | | | | | | | | | |

Cooling capacity at water supply temperature tw2 = 20°C; ambient temperature tu = 35°C; 400V/3~/50Hz, deviations in performance possible according to DIN14511
Sound pressure level in dB(A) measured at a distance of 10 metres from the unit in free field with directional factor Q=2, in compliance with the UNI EN-ISO 3744 standard
Nominal connection width is determined on a project-specific basis 4) At operating point see 1) without pump 5) without option ASP/ASDP Technical changes and errors excepted.



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