

Compact performance powerhouses

EVO LINE

eBoxX 260 to eBoxX 530

Food and packaging

Plastics industry

Filtration

Surface technology

Air conditioning



With the optimized air-cooled chillers of the EVO LINE, each individual eBoxX features outstanding performance with low energy consumption and environmentally friendly operation.

For you, this means:

the units are eco-friendly and environmentally sound, with the micro-channel heat exchanger reducing the refrigerant charge by up to 30% compared to conventional technology.

Through the use of non-flammable and non-toxic high-efficiency refrigerant R410A, the units are perfectly suited for use in the food and packaging industry or in surface technology. This can eliminate additional operator obligations such as those required with (flammable/toxic) A2L refrigerants.

Greater efficiency and lower operating costs due to 20% lower electrical power consumption through the use of efficient scroll compressor technology in perfect interplay with R410A refrigerant and frequency-controlled EC fans. The continuously variable electronic expansion valve with full closing characteristic increases efficiency through optimization of partial-load behavior.

Great flexibility with a wide range of applications: The many options for combining parts and accessories also include flexible hydraulic modules in open and closed versions, which minimizes complexity during installation. The EVO LINE can be installed in a space-saving manner while featuring performance of up to 70 kW/m². Other advantages include low maintenance costs due to simple maintenance and easy cleaning of the system.

TECHNICAL DATA

Evo Line	eBoxX 260	eBoxX 300	eBoxX 350	eBoxX 400	eBoxX 490	eBoxX 530
Net cooling capacity ¹⁾ t _{w2} = 20 °C, t _u = 32 °C	260 kW	292 kW	348 kW	395 kW	489 kW	528 kW
Net cooling capacity ¹⁾ t _{w2} = 20 °C, t _u = 40 °C	232 kW	264 kW	313 kW	354 kW	436 kW	476 kW
Refrigerant	R410A					
GWP	2088					
Charge of refrigerant	20.5 kg	22.5 kg	19 kg	23 kg	32 kg	
CO ₂ equivalent	42.9 t CO ₂	47 t CO ₂	39.7 t CO ₂	48.1 t CO ₂	66.9 t CO ₂	
Water outlet temperature	+ 5 to + 25 °C					
Temperature constancy	± 2.5 K					
Coolant	Water or water/glycol					
Coolant flow	44 m ³ /h	50 m ³ /h	60 m ³ /h	68 m ³ /h	84.5 m ³ /h	91 m ³ /h
Air flow rate	46,500 m ³ /h	62,000 m ³ /h	79,500 m ³ /h		119,500 m ³ /h	
Sound pressure level ²⁾	58 dB(A)			60 dB(A)	61 dB(A)	62 dB(A)
Ambient temperature range	- 15 to + 45 °C					
Water connection	DN 80			DN 100		
Operating voltage	400 V / 3 Ph / 50 Hz					
Power consumption, approx. ³⁾	65.7 kW	73.1 kW	79.7 kW	102.1 kW	108.2 kW	125.1 kW
Operating current, approx. ³⁾	152 A	166 A	198 A	239 A	250 A	280 A
Protection class electrical cabinet	IP 54					
Length	3,594 mm	4,544 mm	2,526 mm		3,626 mm	
Width	1,350 mm			2,260 mm		
Height	2,440 mm			2,453 mm		
Weight (net)	1,484 kg	1,666 kg	1,754 kg	1,834 kg	2,439 kg	2,489 kg

¹⁾ Cooling water, without consideration of pumping power losses; 400 V/3 Ph/50 Hz

²⁾ At a distance of 10 m without reflection, without pump | ³⁾ Values without hydraulic module at operating point, see ¹⁾



ait-deutschland GmbH

KKT chillers

Industriestrasse 3

95359 Kasendorf/Germany

T +49 9228 9977 0

F +49 9228 9977 149

www.kkt-chillers.com

www.kkt-chillers-service.de