



Compact-Line

Efficient. Compact. Innovative.



Our innovation is your advance.

With its Compact-Line, KKT chillers provides maximum performance at minimum space requirements. The modern industrial design immediately gives away the variety of innovations included in this powerful device.

Innovation is our standard – which means for you:

User-friendly surface

with plain-text display of temperature, pressure, tank level and all status notifications – thanks to a controller board developed in-house specifically for this application. Including a variety of data links for all important Fieldbus- and Industrial-Ethernet-Networks for example CANopen, DeviceNet, Modbus or Profibus. The new line also allows for remote maintenance and updates via web and app or USB.

Reduction in operating costs

due to 20% less in electrical power consumption. This improvement is achieved thanks to the application of the efficient scroll compressor technology and enhanced by the perfect combination with the R410A refrigerant as well as variable-frequency EC fans.

Efficiency benefits

optimization of partial-load response thanks to the application of an infinitely variable electronic expansion valve with self-closing characteristics.

Logistics and maintenance benefits:

Up to 75% less refrigerant filling thanks to the use of innovative heat exchanger technologies like Microchannel and asymmetric plate heat exchangers, arranged at the smallest footprint.

100% Ecodesign

up to 21% more efficient than required by the Ecodesign Regulation.

See for yourself and discover the benefits of the innovative Compact-Line by KKT chillers!

Technical data

Compact-Line	cBoxX 30	cBoxX 40	cBoxX 50	cBoxX 60	cBoxX 70	cBoxX 80	cBoxX 90	cBoxX 100	cBoxX 120	cBoxX 160	cBoxX 180	cBoxX 200				
Net cooling capacity ¹⁾	34 kW	41 kW	53 kW	67 kW	76 kW	83 kW	92 kW	100 kW	131 kW	159 kW	187 kW	204 kW				
Refrigerant	R410A															
GWP	2088															
Charge of refrigerant	6 kg			7 kg		8 kg			17 kg		23,5 kg					
CO ₂ equivalent	12,5 t CO ₂			14,6 t CO ₂		16,7 t CO ₂			35,5 t CO ₂		49,1 t CO ₂					
Ambient temperature range	-25 °C – 50 °C															
Max air flow rate	9.350 m ³ /h		12.600 m ³ /h		20.000 m ³ /h		23.270 m ³ /h			45.550 m ³ /h		49.100 m ³ /h				
Coolant	Water or Water/Glycol															
Tank volume	300 l				500 l				700 l		900 l					
Coolant outlet temperature	-10 °C – 30 °C															
Temperature constancy	+/-1 K															
Coolant flow	5,5 m ³ /h	7,2 m ³ /h	9,2 m ³ /h	11,1 m ³ /h	12,4 m ³ /h	14,3 m ³ /h	16,1 m ³ /h	18,2 m ³ /h	21,5 m ³ /h	27,2 m ³ /h	32,2 m ³ /h	35,4 m ³ /h				
Pumping pressure	3 bar															
Sound pressure level ²⁾	62 dB(A)		55 dB(A)		69 dB(A)		59 dB(A)			67 dB(A)						
Operating voltage	400 V/3 Ph/50 Hz or 460 V/3 Ph/60 Hz or 400 V/3 Ph/60 Hz															
Operating current max ⁴⁾	21,1 A	27,4 A	34,0 A	44,3 A	46,6 A	54,9 A	59,2 A	67,2 A	84,8 A	103,2 A	118,4 A	134,4 A				
Power consumption max ⁴⁾	13,0 kW	16,0 kW	20,3 kW	27,1 kW	28,0 kW	31,5 kW	35,6 kW	39,9 kW	49,5 kW	62,0 kW	72,1 kW	80,6 kW				
Protection class	IP 54															
Weight ³⁾	540 kg		550 kg		620 kg		650 kg		700 kg		720 kg		1.100 kg	1.200 kg	1.300 kg	1.400 kg
Water connection	RP 1 1/2"				RP 2"				DN 65							
Length	1.240 mm				1.840 mm				2.660 mm		3.960 mm					
Width	830 mm															
Height	2.030 mm															

¹⁾ at tw2=20°C, t amb=32°C, 50Hz, without pump | ²⁾ in 5m distance without reflection at full speed, without airfilter | ³⁾ net, without charge of coolant | ⁴⁾ 50 Hz, without pump

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The four sizes at a glance:





Discover all the advantages of the KKT chillers cBoxX. Just scan the code to get right to the product video.

compact-line.de



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For frequently updated contact information of the individual service locations, please see

www.kkt-chillers.com/en/service/service-locations/

24/7

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KKT chillers - a brand of ait-deutschland GmbH

 Made in Germany