Trane Cube CGB Air-Cooled Chiller

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TECHNOLOGIES

Trane Cube CGB Air-Cooled Chiller

Cooling capacity: 15-50 kW	Heating capacity: -----

- Tandem scroll compressors
- Electronic expansion valve
- EC Axial fans as standard for all sizes
- Micro-channel condenser coils
- Brazed plate heat exchanger with pressure differential switch and antifreeze protection electric heater
- Microprocessor-based controller to manage unit on/off mode, operating mode setting, parameters setting, and error code display

Dynamic Controls

A microprocessor-based controller manages unit on/off mode, operating mode setting, parameters setting, and error code display.

Dynamic Logic Control manages the differential of the outlet water temperature on the basis of the speed variation, ensuring fewer compressor starts and energy savings.

Extensive operating range

Leaving chilled water temperatures between -6°C and +18°C with outdoor air between -10°C and 45°C

Range description

• Trane Cube CGB chillers are available with/without hydraulic module and built in water tank. The units can be customized with many factory-mounted options and accessories.

Technical specifications

Cooling capacity	15-50 kW
Heating capacity	-----
Eurovent certification	●
ErP Certification	●
Refrigerants	R410A

Operating mode	Cooling only
Energy saving	----
Compressor	Scroll

Product data

	Pc (1) kW	Pec (1) kW	EER (1)	SEER (2)	ηsc (2) %	LwO (3) dB(A)	Refrigerant	L (4) mm	W (4) mm	H (4) mm	OW (4) kg
CGB 017	16,4	5,6	2,93	4,22	166,0	79	R410A	1807	779	1687	290
CGB 020	19,0	6,7	2,83	4,20	165,0	79	R410A	1807	779	1687	294
CGB 025	24,6	7,9	3,11	4,10	161,0	82	R410A	1807	779	1687	327
CGB 028	28,3	9,2	3,07	4,10	161,0	81	R410A	2061	779	1687	367
CGB 033	33,2	10,6	3,13	4,10	161,0	82	R410A	2061	779	1687	378
CGB 036	36,7	12,1	3,04	4,10	161,0	83	R410A	2061	779	1687	378
CGB 039	39,6	13,2	2,99	4,10	161,0	83	R410A	2061	779	1687	380
CGB 045	44,5	15,4	2,89	4,10	161,0	85	R410A	2061	779	1687	530
CGB 050	49,6	18,2	2,72	4,15	163,0	84	R410A	2061	779	1687	540

Pc: Cooling capacity	Pec: Total power input in cooling	EER: Energy Efficiency Ratio (cooling)
SEER: Seasonal Energy Efficiency Ratio	ηsc: Seasonal space cooling energy efficiency	LwO: A-weighted sound power level outside
Refrigerant: Refrigerant type	L: Length	W: Width
H: Height	OW : Operating Weight	

(1): Cooling: outdoor air temperature 35°C and chilled water temperature 12°C/7°C. (EN 14511:2022)

(2): Ecodesign rating for comfort chiller - Fan coil application. Outdoor air temperature 35°C and chilled water temperature in/ out: 12°C/7°C. ηs,c/SEER as defined in Ecodesign requirements for Comfort Chillers with 2000 kW maximum capacity - REGULATION (EU) N° 2016/2281 of 20 December 2016.

(3): According ISO 9614:2009. Eurovent conditions, with 1pW reference sound power (without accessories)

(4): Basic unit without accessories

Improve Operations

Technology is continuously evolving and Trane Engineering is ahead of the curve in bringing innovation into product development. Our sustainable solutions deliver enhancements to the Trane installed base to make your chillers and heat pumps even "better than before". That's Trane Building Advantage - TBA.

Trane Rental Services

Cooling and heating are services, not products. A process or a building does not need a chiller or a boiler sitting on a roof, but a reliable and efficiency supply of cold or hot water, cold or warm air. This is the essence of what we do at Trane Rental Services. Let us take care of it for you.

Read more https://trane.eu/rental

Trane has a policy of continuous product and product data improvement and reserves the right to change design and specifications without notice.

Trane – by Trane Technologies (NYSE: TT), a global climate innovator – creates comfortable, energy efficient indoor environments through a broad portfolio of heating, ventilating and air conditioning systems and controls, services, parts and supply. For more information, please visit *trane.eu* or *tranetechnologies.com*.