

CGB 033



Select the unit

## Information requirements for comfort chillers

Model(s):	CGB 033
Outdoor side heat exchanger of chiller:	air
Indoor side heat exchanger of chiller:	water
Type:	compressor driven vapour compression
Driver of compressor:	electric motor

Item	Symbol	Value	Unit	Item	Symbol	Value	Unit
Rated cooling capacity	$P_{rated,c}$	32.5	kW	Seasonal space cooling energy efficiency	$\eta_{s,c}$	155.2	%
Declared cooling capacity for part load at given outdoor temperatures Tj				Declared energy efficiency ratio or gas utilisation efficiency/auxiliary energy factor for part load at given outdoor temperatures Tj			
T j = +35 °C	$P_{dc}$	32.5	kW	T j = +35 °C	$EER_d$	3.0	kW/kW
T j = +30 °C	$P_{dc}$	23.9	kW	T j = +30 °C	$EER_d$	3.7	kW/kW
T j = +25 °C	$P_{dc}$	15.4	kW	T j = +25 °C	$EER_d$	4.3	kW/kW
T j = +20 °C	$P_{dc}$	6.8	kW	T j = +20 °C	$EER_d$	4.2	kW/kW
Degradation co-efficient for chillers (*)	$C_{dc}$	0.9	—				

## Power consumption in modes other than 'active mode'

Off mode	$P_{OFF}$	0.000	kW	Crankcase heater mode	$P_{CK}$	0.010	kW
Thermostat-off mode	$P_{TO}$	0.010	kW	Standby mode	$P_{SB}$	0.000	kW

## Other items

Capacity control	staged			For air-to-water comfort chillers: air flow rate, outdoor measured	—	10400	m <sup>3</sup> /h
Sound power level, outdoor	$L_{WA}$	76.5	dB(A)	For water/brine-to-water chillers: Rated brine or water flow rate, outdoor side heat exchanger	—	0	m <sup>3</sup> /h
GWP of the refrigerant		1,924	kg CO <sub>2</sub> eq (100 years)				

Standard rating conditions used: low temperature application

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(\*) If Cdc is not determined by measurement then the default degradation coefficient of chillers shall be 0,9.