

Information requirements for comfort chillers

EWFD510TZBSD2					
Outdoor side heat exchanger of chiller			Air		
Indoor side heat exchanger of chiller			Water		
Type			Inverter		
Driver of compressor			Electric		
Item	Symbol	Value	Item	Symbol	Value
Rated cooling capacity	Prated,c	512.1 kW	Seasonal space cooling energy efficiency	$\eta_{s,c}$	191.3 %
Declared cooling capacity for part load at given outdoor temperatures Tj and indoor 27°/19°C (dry/wet bulb)			Declared energy efficiency ration or gas utilisation efficiency/auxiliary energy factor for part load at given outdoor temperatures Tj		
Tj = +35°C	Pdc	512.1 kW	Tj = +35°C	EERd or GUEc,bin/AEFc,bin	3.0
Tj = +30°C	Pdc	385.4 kW	Tj = +30°C	EERd or GUEc,bin/AEFc,bin	4.0
Tj = +25°C	Pdc	243.2 kW	Tj = +25°C	EERd or GUEc,bin/AEFc,bin	5.3
Tj = +20°C	Pdc	106.9 kW	Tj = +20°C	EERd or GUEc,bin/AEFc,bin	6.4
Degradation coefficient for air conditioners				Cdc	0.9

Power consumption in modes other than 'active mode'

Off mode	POFF	0.000 kW	Crankcase heater mode	PCK	0.000 kW
Thermostat-off mode	PTO	0.112 kW	Standby mode	PSB	0.100 kW

Other items

Capacity control	Variable
Sound power level, outdoor	LWA 99.2 dB
Emissions of nitrogen oxides (if applicable)	NOx
GWP of the refrigerant	1430 kg CO2eq (100 years)
For air-to-water comfort chillers: Air flow rate, outdoor measured	166752 m3/h
For water/brine-to water chillers: Rated brine or water flow rate, outdoor side heat exchanger	-
Standard rating conditions used:	Low Temp Application
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