

Information requirements for comfort chillers									
EWAT590B-XSC2+op229									
Outdoor side heat exchanger of air conditioner: Air									
Indoor side heat exchanger of air conditioner: water									
Type: Scroll									
Driver of compressor: Electric									
Item	Symbol	Value	Unit		Item	Symbol	Value	Unit	
Rated cooling capacity	Prated,c	586.74	kW		Seasonal space cooling energy efficiency	$\eta_{s,c}$	212	%	
Declared cooling capacity for part load at given outdoor temperatures Tj and indoor 27°/19 °C (dry/wet bulb)				Declared energy efficiency ratio or gas utilisation efficiency/auxiliary energy factor for part load at given outdoor temperatures Tj					
Tj = + 35 °C	Pdc	586.74	kW		Tj = + 35 °C	EERd or GUEc,bin /AEFc,bin	3.321		
Tj = + 30 °C	Pdc	447.22	kW		Tj = + 30 °C	EERd or GUEc,bin /AEFc,bin	4.503		
Tj = + 25 °C	Pdc	275.77	kW		Tj = + 25 °C	EERd or GUEc,bin /AEFc,bin	5.889		
Tj = + 20 °C	Pdc	123.21	kW		Tj = + 20 °C	EERd or GUEc,bin /AEFc,bin	6.961		
Degradation coefficient for air conditioners (*9)	Cdc	0.95	—						
Power consumption in modes other than 'active mode'									
Off mode	POFF	0	kW		Crankcase heater mode	PCK	0	kW	
Thermostat-off mode	PTO	0.34	kW		Standby mode	PSB	0.25	kW	
Other items									
Capacity control	Step				For air-to-water comfort chillers: air flow rate, outdoor measured	—	229428	m3/h	
Sound power level, outdoor	LWA	97.2	dB		For water/brine-to-water chillers:	—		m3/h	
Emissions of nitrogen oxides (if applicable)	NOx (*10)		mg/kWh input GCV		Rated brine or water flow rate, outdoor side heat exchanger				
GWP of the refrigerant		675	kg CO2eq ( 100 years )						
Standard rating conditions used: Low Temp Application									
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