

Information requirements for comfort chillers								
Model(s):	140KW							
Outdoor side heat exchanger of chiller:	Air							
Indoor side heat exchanger 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}	130.00	kW		Seasonal space cooling energy efficiency	η _{s,c}	187.00	%
Declared cooling capacity for part load at given outdoor temperature T _j				Declared energy efficiency ratio for part load at given outdoor temperature T _j				
T _j = + 35°C	P _{dc}	128.42	kW		T _j = + 35°C	EER _d	2.55	--
T _j = + 30°C	P _{dc}	95.95	kW		T _j = + 30°C	EER _d	3.72	--
T _j = + 25°C	P _{dc}	60.50	kW		T _j = + 25°C	EER _d	5.50	--
T _j = + 20°C	P _{dc}	29.55	kW		T _j = + 20°C	EER _d	7.64	--
Degradation co-efficient for chillers (*)	C _{dc}	0.9	--					
Power consumption in modes other than 'active mode'								
Off mode	P _{OFF}	0.14	kW		Crankcase heater mode	P _{CK}	0	kW
Thermostat-off mode	P _{TO}	0.7	kW		Standby mode	P _{SB}	0.14	kW
Other items								
Capacity control	Variable				For air-to-water comfort chillers: air flow rate, outdoor measured	--	50000	m³/h
Sound power level, indoors/outdoors	L _{WA}	--/93	dB		For water / brine-to-water chillers: Rated brine or water flow rate, outdoor side heat exchanger	--	--	m³/h
Emissions of nitrogen oxides (if applicable)	NO _x (**)	--	mg/kWh input GCV					
GWP of the refrigerant	--	675	kg CO ₂ eq (100 years)					
Standard rating conditions used:	Low temperature application							
Contact details	GD Kaysun Heating & Ventilating Equipment Co., Ltd. Penglai industry Road, Beijiao, Shunde, Foshan, Guangdong, 528311 P.R. China.							

(*) If C_{dc} is not determined by measurement then the default degradation coefficient of chillers shall be 0,9.
(**) From 26 September 2018.