

Information requirements for comfort chillers

Model(s): Information to identify the model(s) to which the information relates: EACV-M1800YCL(-N)(-BS)							
Outdoor side heat exchanger of chiller: air							
Indoor side heat exchanger chiller: water							
Type: compressor driven vapour compression							
if applicable: driver of compressor: electric motor							
Item	Symbol	Value	Unit	Item	Symbol	Value	Unit
Rated cooling capacity	P _{rated,c}	178.80	kW	Seasonal space cooling energy efficiency	η _{s,c}	211.4	%
Declared cooling capacity for part load at given outdoor temperatures T _j				Declared energy efficiency ratio or gas utilization efficiency / auxiliary energy factor for part load at given outdoor temperatures T _j			
T _j = +35 °C	P _{dc}	178.80	kW	T _j = +35 °C	EER _d	3.07	%
T _j = +30 °C	P _{dc}	131.75	kW	T _j = +30 °C	EER _d	4.40	%
T _j = +25 °C	P _{dc}	84.69	kW	T _j = +25 °C	EER _d	6.21	%
T _j = +20 °C	P _{dc}	74.78	kW	T _j = +20 °C	EER _d	8.69	%
Degradation co-efficient for chillers(*)							
C _{dc}		0.9	-				
Power consumption in modes other than 'active mode'							
Off mode	P _{OFF}	0.209	kW	Crankcase heater mode	P _{CK}	0.209	kW
Thermostat-off mode	P _{TO}	0.217	kW	Standby mode	P _{SB}	0.209	kW
Other items							
Capacity control	Variable			For air-to-water comfort chillers: air flow rate, outdoor measured	-	64800	m ³ /h
Sound power level, outdoor	L _{WA}	85	dB				
if engine driven: Emissions of nitrogen oxides	NO _x	-	mg/kWh input GCV				
GWP of the refrigerant		675	kg CO _{2eq} (100years)				
Contact details	MITSUBISHI ELECTRIC CORPORATION AIR-CONDITIONING & REFRIGERATION SYSTEMS WORKS 5-66,Tebira 6 Chome,Wakayama-City 640-8686,Japan						
(*) If Cdc is not determined by measurement then the default degradation coefficient of chillers shall be 0,9.							