

Information requirements for comfort chillers

Model(s): Information to identify the model(s) to which the information relates: EACV-M1500YCL(-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	$P_{rated,c}$	149.18	kW	Seasonal space cooling energy efficiency	$\eta_{s,c}$	217.8	%
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			
$T_j = +35\text{ °C}$	P_{dc}	149.18	kW	$T_j = +35\text{ °C}$	EER_d	3.28	%
$T_j = +30\text{ °C}$	P_{dc}	109.92	kW	$T_j = +30\text{ °C}$	EER_d	4.57	%
$T_j = +25\text{ °C}$	P_{dc}	74.78	kW	$T_j = +25\text{ °C}$	EER_d	6.57	%
$T_j = +20\text{ °C}$	P_{dc}	74.78	kW	$T_j = +20\text{ °C}$	EER_d	9.09	%
Degradation coefficient 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}	83	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 C_{dc} is not determined by measurement then the default degradation coefficient of chillers shall be 0,9.							