

### Information requirements for comfort chillers

Model(s): Information to identify the model(s) to which the information relates: EACV-P900YA(-N)(-BS), EACV-P900YAL(-N)(-BS), EACV-P900YAF(-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	$P_{rated,c}$	<b>90.0</b>	kW	Seasonal space cooling energy efficiency	$\eta_{s,c}$	<b>192.0</b>	%
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 $T_j$			
$T_j = +35\text{ }^\circ\text{C}$	$P_{dc}$	<b>90.0</b>	kW	$T_j = +35\text{ }^\circ\text{C}$	$EER_d$	<b>3.08</b>	%
$T_j = +30\text{ }^\circ\text{C}$	$P_{dc}$	<b>66.3</b>	kW	$T_j = +30\text{ }^\circ\text{C}$	$EER_d$	<b>4.34</b>	%
$T_j = +25\text{ }^\circ\text{C}$	$P_{dc}$	<b>45.0</b>	kW	$T_j = +25\text{ }^\circ\text{C}$	$EER_d$	<b>5.81</b>	%
$T_j = +20\text{ }^\circ\text{C}$	$P_{dc}$	<b>45.0</b>	kW	$T_j = +20\text{ }^\circ\text{C}$	$EER_d$	<b>7.08</b>	%
Degradation coefficient for chillers(*)							
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Power consumption in modes other than 'active mode'							
Off mode	$P_{OFF}$	<b>0.200</b>	kW	Crankcase heater mode	$P_{CK}$	<b>0.090</b>	kW
Thermostat-off mode	$P_{TO}$	<b>0.200</b>	kW	Standby mode	$P_{SB}$	<b>0.200</b>	kW
Other items							
Capacity control	<b>Variable</b>			For air-to-water comfort chillers: air flow rate, - outdoor measured		<b>27720</b>	$\text{m}^3/\text{h}$
Sound power level, outdoor	$L_{WA}$	<b>77.0</b>	dB				
if engine driven:			mg/kWh input				
Emissions of nitrogen oxides	$NO_x$	-	GCV				
GWP of the refrigerant		<b>2088</b>	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.							