Information requirements for comfort chillers

Model(s): Information to identify the model(s) to which the information relates: ERCV-M900YA							
Outdoor side heat exchanger of chiller: water							
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	$P_{rated,c}$	**89.83**	kW	Seasonal space cooling energy efficiency	$\eta_{s,c}$	**303.4**	%
Declared cooling capacity for part load at given outdoor temperatures Tj				Declared energy efficiency ratio or gas utilization efficiency / auxiliary energy factor for part load at given outdoor temperatures Tj			
Tj = +35 ºC	P_{dc}	**89.83**	kW	Tj = +35 ºC	EER_d	**5.05**	~~%~~
Tj = +30 ºC	P_{dc}	**66.19**	kW	Tj = +30 ºC	EER_d	**6.46**	~~%~~
Tj = +25 ºC	P_{dc}	**44.95**	kW	Tj = +25 ºC	EER_d	**8.88**	~~%~~
Tj = +20 ºC	P_{dc}	**44.95**	kW	Tj = +20 ºC	EER_d	**12.18**	~~%~~
Degradation co-efficient for chillers(*)	C_{dc}	**0.9**	-				
Power consumption in modes other than 'active mode'							
Off mode	P_{OFF}	**0.092**	kW	Crankcase heater mode	P_{CK}	**0.092**	kW
Thermostat-off mode	P_{TO}	**0.085**	kW	Standby mode	P_{SB}	**0.092**	kW
Other items							
Capacity control	**Variable**			For water/brine-to water chillers: Rated brine or water flow rate, outdoor side heat exchanger	-	**17.9**	m^3/h
Sound power level, outdoor	L_{WA}	**72**	dB				
if engine driven: Emissions of nitrogen oxides	NOx	-	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.							

Information requirements for high temperature process chillers

Information to identify the model(s) to which the information relates: ERCV-M900YA			
Type of condensing: water-cooled			
Refrigerant fluid(s):R32			
Item	Symbol	Value	Unit
Operating temperature	t	**7**	℃
Seasonal energy performance ratio	SEPR	**9.59**	[-]
Annual electricity consumption	Q	**68782**	kWh/a
Parameters at full load and reference ambient temperature at ration point A			
Rated refrigeration capacity	P_A	**89.83**	kW
Rated power input	D_A	**17.80**	kW
Rated energy efficiency ratio	$EER_{DC,A}$	**5.05**	[-]
Parameters at rating point B			
Declared refrigeration capacity	P_B	**83.84**	kW
Declared power input	D_B	**13.18**	kW
Declared energy efficiency ratio	$EER_{DC,B}$	**6.36**	[-]
Parameters at rating point C			
Declared refrigeration capacity	P_C	**77.85**	kW
Declared power input	D_C	**9.09**	kW
Declared energy efficiency ratio	$EER_{DC,C}$	**8.56**	[-]
Parameters at rating point D			
Declared refrigeration capacity	P_D	**71.86**	kW
Declared power input	D_D	**5.53**	kW
Declared energy efficiency ratio	$EER_{DC,D}$	**13.00**	[-]
Other items			
Capacity control	**Variable**		
Degradation co-efficient chillers*	C_{dc}	**0.9**	[-]
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.