Information requirements

(air-to-air air conditioners)

Model(1):GMV-280WM/H-X; Model(2):GMV-280WM/H1-X							
Outdoor side heat exchanger of air conditioner	air						
Indoor side heat exchanger of air conditioner	air						
Type	compressor driven vapour compression						
If applicable: driver of compressor	electric motor						
Item	Symbol	Value	Unit	Item	Symbol	Value	Unit
Rated cooling capacity	$P_{rated,c}$	28.00	kW	Seasonal space cooling energy efficiency	$\eta_{s,c}$	263.4	%
Declared cooling capacity for part load at given outdoor temperatures T_j and indoor 27 °C/19 °C (dry/wet bulb)				Declared energy efficiency ratio for part load at given outdoor temperatures T_j			
T_j = + 35 °C	Pdc	28.00	kW	T_j = + 35 °C	EER_d	2.66	-
T_j = + 30 °C	Pdc	20.63	kW	T_j = + 30 °C	EER_d	4.40	-
T_j = + 25 °C	Pdc	13.26	kW	T_j = + 25 °C	EER_d	7.80	-
T_j = + 20 °C	Pdc	5.89	kW	T_j = + 20 °C	EER_d	16.50	-
Degradation co-efficient for air conditioners(*)	C_{dc}	0.25	—				-
Power consumption in modes other than 'active mode'							
Off mode	P_{OFF}	0.020	kW	Crankcase heater mode	P_{CK}	0.010	kW
Thermostat-off mode	P_{TO}	0.030	kW	Standby mode	P_{SB}	0.020	kW
Other items							
Capacity control	variable			For air-to-air air conditioner: air flow rate, outdoor measured	—	10500	m^3/h
Sound power level, indoor/outdoor	L_{WA}	-/84	dB				
If engine driven: Emissions of nitrogen oxides	NOx(**)	-	mg/kWh fuel input GCV				
GWP of the refrigerant	2088		kg CO_2 eq (100 years)				
Contact details: West Jinji Rd, Qianshan, Zhuhai, Guangdong, China, 519070				Name of manufacturer: GREE ELECTRIC APPLIANCES,INC. OF ZHUHAI			

(*) If C_{dc} is not determined by measurement then the default degradation coefficient air conditioners shall be 0.25.

(**) From 26 September 2018.

Where information relates to multi-split air conditioners, the test result and performance data may be obtained on the basis of the performance of the outdoor unit, with a combination of indoor unit(s) recommended by the manufacturer or importer.

Information requirements

(heat pump)

Model(1):GMV-280WM/H-X; Model(2):GMV-280WM/H1-X							
Outdoor side heat exchanger of heat pump	air						
Indoor side heat exchanger of heat pump	air						
Indication if the heater is equipped with a supplementary heater	no						
If applicable: driver of compressor	electric motor						
Parameters declared for	Average climate condition						
Item	symbol	value	unit	Item	symbol	value	unit
Rated heating capacity	$P_{rated,h}$	28.00	kW	Seasonal space heating energy efficiency	$\eta_{s,h}$	189.0	%
Declared heating capacity for part load at indoor temperature 20 °C and outdoor temperature Tj				Declared coefficient of performance for part load at given outdoor temperatures T_j			
T_j = – 7 °C	Pdh	14.33	kW	T_j = – 7 °C	COP_d	3.00	-
T_j = + 2 °C	Pdh	8.72	kW	T_j = + 2 °C	COP_d	4.60	-
T_j = + 7 °C	Pdh	5.60	kW	T_j = + 7 °C	COP_d	6.55	-
T_j = + 12 °C	Pdh	4.00	kW	T_j = + 12 °C	COP_d	8.40	-
T_{biv} = bivalent temperature	Pdh	16.20	kW	T_{biv} = bivalent temperature	COP_d	2.42	-
T_{OL} = operation limit	Pdh	16.20	kW	T_{OL} = operation limit	COP_d	2.42	-
Tj = – 15 °C (if TOL < – 20 °C)	Pdh	-	kW	Tj=–15°C(if TOL< – 20 °C)	COP_d	-	-
Bivalent temperature	T_{biv}	-10	°C	Operation limit temperature	T_{ol}	-10	°C
Degradation co-efficient heat pumps(**)	C_{dh}	0.25	—				
Power consumption in modes other than 'active mode'				Supplementary heater			
Off mode	P_{OFF}	0.025	kW	Back-up heating capacity(*)	elbu	-	kW
Thermostat-off mode	P_{TO}	0.040	kW	Type of energy input			
Crankcase heater mode	P_{CK}	0.040	kW	Standby mode	P_{SB}	0.025	kW
Other items							
Capacity control	variable			air flow rate, outdoor measured	—	10500	m^3/h
Sound power level, indoor/outdoor measured	L_{WA}	-/83	dB				
Emissions of nitrogen oxides (if applicable)	NOx(***)	-	mg/kWh input GCV	Rated brine or water flow rate, outdoor side heat exchanger	—	—	m^3/h
GWP of the refrigerant	2088		kg CO_2 eq (100 years)				
Contact details: West Jinji Rd, Qianshan, Zhuhai, Guangdong, China, 519070				Name of manufacturer: GREE ELECTRIC APPLIANCES,INC. OF ZHUHAI			

(*)

(**) If C_{dh} is not determined by measurement then the default degradation coefficient of heat pumps shall be 0.25.

(***) From 26 September 2018.

Where information relates to multi-split heat pumps, the test result and performance data may be obtained on the basis of the performance of the outdoor unit, with a combination of indoor unit(s) recommended by the manufacturer or importer.