

Information requirements
(air-to-air air conditioners)

Model(1):GMV-504WM/H-X; Model(2):GMV-504WM/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	$P_{\text{rated,c}}$	50.40	kW	Seasonal space cooling energy efficiency	$\eta_{\text{s,c}}$	241.8	%
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			
$T_j = + 35\text{ °C}$	P_{dc}	50.40	kW	$T_j = + 35\text{ °C}$	EER_d	2.11	-
$T_j = + 30\text{ °C}$	P_{dc}	37.13	kW	$T_j = + 30\text{ °C}$	EER_d	3.72	-
$T_j = + 25\text{ °C}$	P_{dc}	23.76	kW	$T_j = + 25\text{ °C}$	EER_d	7.51	-
$T_j = + 20\text{ °C}$	P_{dc}	10.61	kW	$T_j = + 20\text{ °C}$	EER_d	18.10	-
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}	0.060	kW	Standby mode	P_{SB}	0.020	kW
Other items							
Capacity control	variable			For air-to-air air conditioner: air flow rate, outdoor measured	—	16000	m^3/h
Sound power level, indoor/outdoor	L_{WA}	-/93	dB				
If engine driven: Emissions of nitrogen oxides	$\text{NOx}(**)$	-	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-504WM/H-X; Model(2):GMV-504WM/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}	50.40	kW	Seasonal space heating energy efficiency	$\eta_{s,h}$	164.6	%
Declared heating capacity for part load at indoor temperature 20 °C and outdoor temperature T _j				Declared coefficient of performance for part load at given outdoor temperatures T _j			
T _j = – 7 °C	P _{dh}	24.60	kW	T _j = – 7 °C	COP _d	2.20	-
T _j = + 2 °C	P _{dh}	15.07	kW	T _j = + 2 °C	COP _d	3.86	-
T _j = + 7 °C	P _{dh}	9.69	kW	T _j = + 7 °C	COP _d	6.80	-
T _j = + 12 °C	P _{dh}	4.30	kW	T _j = + 12 °C	COP _d	8.80	-
T _{biv} = bivalent temperature	P _{dh}	28.00	kW	T _{biv} = bivalent temperature	COP _d	2.00	-
T _{OL} = operation limit	P _{dh}	28.00	kW	T _{OL} = operation limit	COP _d	2.00	-
T _j = – 15 °C (if T _{OL} < – 20 °C)	P _{dh}	-	kW	T _j =–15°C(if T _{OL} < – 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}	0.100	kW	Back-up heating capacity(*)	elbu	-	kW
Thermostat-off mode	P _{TO}	0.150	kW	Type of energy input			
Crankcase heater mode	P _{CK}	0.090	kW	Standby mode	P _{SB}	0.100	kW
Other items							
Capacity control	variable			air flow rate, outdoor measured	—	16000	m³/h
Sound power level, indoor/outdoor measured	L _{WA}	-/89	dB				
Emissions of nitrogen oxides (if applicable)	NO _x (***)	-	mg/kWh input GCV	Rated brine or water flow rate, outdoor side heat exchanger	—	—	m³/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.							