Information requirements
(air-to-air air conditioners)

Model(s):GKH48K3FI/GUHD48NK3FO							
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	Symbo	Value	Unit	Item	Symbol	Value	Unit
Rated cooling capacity	$P_{rated,c}$	14.0	kW	Seasonal space cooling energy efficiency	$\eta_{s,c}$	241.5	%
Declared cooling capacity for part load at given outdoor temperatures T_j and indoor 27℃/19 ℃ (dry/wet bulb)				Declared energy efficiency ratio for part load at given outdoor temperatures T_j			
T_j = + 35 ℃	Pdc	14.0	kW	T_j = + 35 ℃	EER_d	2.94	-
T_j = + 30 ℃	Pdc	10.5	kW	T_j = + 30 ℃	EER_d	5.16	-
T_j = + 25 ℃	Pdc	6.9	kW	T_j = + 25 ℃	EER_d	7.06	-
T_j = + 20 ℃	Pdc	7.1	kW	T_j = + 20 ℃	EER_d	9.42	-
Degradation co-efficient for air	C_{dc}	0.25	—				-
Power consumption in modes other than 'active mode'							
Off mode	P_{OFF}	0.0016	kW	Crankcase heater mode	P_{CK}	0	kW
Thermostat-off mode	P_{TO}	0.0088	kW	Standby mode	P_{SB}	0.0016	kW
Other items							
Capacity control	variable			For air-to-air air conditioner: air flow rate, outdoor measured	—	6600	m^3/h
Sound power level, indoor/outdoor	L_{WA}	63.5/ 72	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(s):GKH48K3FI/GUHD48NK3FO							
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	$P_{rated,h}$	11.0	kW	Seasonal space heating energy efficiency	$\eta_{s,h}$	149.1	%
Declared heating capacity for part load at indoor temperature 20 ℃ and outdoor temperature Tj				Declared coefficient of performance for part load at given outdoor temperatures T_j			
T_j = – 7 °C	Pdh	9.6	kW	T_j = – 7 °C	COP_d	2.64	-
T_j = + 2 ℃	Pdh	5.9	kW	T_j = + 2 ℃	COP_d	3.62	-
T_j = + 7 ℃	Pdh	5.1	kW	T_j = + 7 ℃	COP_d	5.33	-
T_j = + 12 ℃	Pdh	5.9	kW	T_j = + 12 ℃	COP_d	6.33	-
T_{biv} = bivalent temperature	Pdh	9.6	kW	T_{biv} = bivalent temperature	COP_d	2.64	-
T_{OL} = operation limit	Pdh	9.9	kW	T_{OL} = operation limit	COP_d	2.43	-
For air-to-water heat pumps: Tj = – 15 °C (if TOL < – 20 °C)	Pdh	NA	kW	For water-to-air heat pumps: Tj = – 15 °C (if TOL < – 20 °C)	COP_d	NA	-
Bivalent temperature	T_{biv}	-7.0	℃	For water-to-air heat pumps: Operation limit temperature	T_{ol}	-10	℃
Degradation co-efficient heat pumps(**)	C_{dh}	0.25	—				
Power consumption in modes other than 'active mode'				Supplementary heater			
Off mode	P_{OFF}	0.0014	kW	Back-up heating capacity (*)	elbu	1.1	kW
Thermostat-off mode	P_{TO}	0.0163	kW	Type of energy input	Electric		
Crankcase heater mode	P_{CK}	0	kW	Standby mode	P_{SB}	0.0014	kW
Other items							
Capacity control	variable			For air-to-air heat pumps: air flow rate, outdoor measured	—	6600	m^3/h
Sound power level, indoor/outdoor measured	L_{WA}	64/72	dB				
Emissions of nitrogen oxides (if applicable)	NOx(***)	/	mg/kWh input GCV	For water/brine-to-air heat pumps: Rated brine or water flow rate, outdoor side heat exchanger	—	-	m^3/h
GWP of the refrigerant	2088		kg CO2 eq (100 years)				
Contact details: West Jinji Rd, Qianshan, Zhuhai, Guangdong, China, 519070				Name of manufacturer: GREE ELECTRIC APPLIANCES,INC. OF ZHUHAI			

(*)

(**) If Cdh 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.