Information requirements

(air-to-air air conditioners)

		(I-to-all all colle					
Model(s):GMV-280WL/C1-2	X							
Outdoor side heat								
exchanger of air	air							
conditioner								
Indoor side heat exchanger								
of air conditioner	air							
Туре	compressor driven vapour compression							
If applicable: driver of								
compressor	electric motor							
Item	Symbol	Value	Unit	Item	Symbol	Value	Unit	
				Seasonal space				
Rated cooling capacity	P _{rated,c}	28.00	kW	cooling energy	η _{s, c}	251.4	%	
				efficiency				
Declared cooling capacity for	r part load a	t given o	utdoor	Declared energy ef	ficiency ratio for par	rt load at	given	
temperatures T _j and indoor 27°/19 °C (dry/wet bulb)				outdoor temperatures T _j				
$T_{j} = +35 \ ^{\circ}C$	Pdc	28.00	kW	$T_{j} = +35 \ ^{\circ}C$	EERd	2.15	-	
$T_{j} = +30 \ ^{\circ}C$	Pdc	20.00	kW	$T_{j} = +30 \ ^{\circ}C$	EER _d	4.10	-	
$T_{j} = +25 \ ^{\circ}C$	Pdc	12.60	kW	$T_j = +25 \ ^{\circ}C$	EER _d	8.60	-	
$T_{j} = +20 \ ^{\circ}C$	Pdc	6.20	kW	$T_j = +20 \ ^\circ C$	EER _d	18.00	-	
Degradation co-efficient for air conditioners(*)	C _{dc}	0.25	_				-	
	Power	consump	tion in modes ot	her than 'active mode	e'			
	P _{OFF}	0.025	kW	Crankcase heater	P _{CK}	0.045		
Off mode				mode			kW	
Thermostat-off mode	P _{TO}	0.040	kW	Standby mode	P _{SB}	0.025	kW	
			Other item	S				
Capacity control		variat	ole					
Sound power level, outdoor	L _{WA}	80.00	dB	For air-to-air air				
If engine driven: Emissions	NO (**)		mg/kWh fuel	conditioner: air		11000	m ³ /	
of nitrogen oxides	NOx(**)	-	input GCV	flow rate,		11000	h	
GWP of the refrigerant	2088		kg CO ₂ eq (100 years)	outdoor measured				
Contact details:	1			Name of manufactu	arer:	I		
West Jinji Rd, Qianshan, Zhu	ıhai, Guang	dong, Ch	ina, 519070	GREE ELECTRIC	APPLIANCES,INC	C. OF ZH	UHAI	
(*) If C _{dc} is not determined b								
From 26 September 2018. W	•		e			-	` ´	
may be obtained on the basis					-			
by the manufacturer or impor	-				()			
· 1								

Information requirements (heat pump)

			(neat	pump)				
Model(s): GMV-280WL/C	21-X							
Outdoor side heat				air				
exchanger of heat pump				un				
Indoor side heat	air							
exchanger of heat pump	411							
Indication if the heater								
is equipped with a	no							
supplementary heater								
If applicable: driver of				electric motor				
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	η _{s, h}	184.2	%	
Declared heating capacity for part load at indoor temperature			Declared coefficient of performance for part load at given					
20 °C and outdoor temperature Tj				outdoor temperatures Tj	1	0		
$T_i = -7 ^{\circ}C$	Pdh	15.40	kW	$T_i = -7 \ ^\circ C$	COPd	2.75	-	
$T_i = +2 \circ C$	Pdh	9.50	kW	$T_i = +2 \circ C$	COPd	4.20	-	
$T_i = +7 \text{ °C}$	Pdh	6.10	kW	$T_j = +7 \circ C$	COPd	7.50		
$\frac{T_{j} + \gamma c}{T_{i} = +12 \text{ °C}}$				$T_{j} = +12 \text{ °C}$				
	Pdh	5.80	kW	$I_j - + I_2 C$	COPd	9.50	-	
$T_{biv} = bivalent$ temperature	Pdh	15.40	kW	$T_{biv} = bivalent temperature$	COP _d	2.75	-	
T_{OL} = operation limit	Pdh	18.00	kW	T_{OL} = operation limit	COPd	2.61	-	
Tj = - 15 °C (if TOL < - 20 °C)	Pdh	-	kW	Tj = -15 °C (if TOL < - 20 °C)	COP _d	-	-	
Bivalent temperature	T _{biv}	-7.00	°C	Operation limit temperature	T _{ol}	-10.00	°C	
Degradation co-efficient heat pumps(**)	C _{dh}	0.25				1		
Power consumption in modes other than 'active mode'				Supplementary heater				
Off mode	P _{OFF}	0.030	kW	Back-up heating capacity (*)	elbu	0	kW	
Thermostat-off mode	P _{TO}	0.055	kW	Type of energy input	Ele	ctric	i	
Crankcase heater mode	Рск	0.045	kW	Standby mode	P _{SB}	0.030	kW	
				titems			·	
Capacity control		variable						
Sound power level,				air flow rate, outdoor		11000	m ³ /h	
indoor/outdoor measured	L _{WA}	-/82.00	dB	measured		11000		
Emissions of nitrogen			mg/kWh			+		
oxides (if applicable)	NOx(***)	-	input GCV	Rated brine or water flow			1	
GWP of the refrigerant	2088		kg CO ₂ eq (100 years)	rate, outdoor side heat exchanger	—	-	m ³ /h	
Contact details:	<u>I</u>			Name of manufacturer:			i	
West Jinji Rd, Qianshan, Zhuhai, Guangdong, China, 519070				Name of manufacturer: GREE ELECTRIC APPLIANCES, INC. OF ZHUHAI				
(*)								
(**) If Cdh is not determin	ed by measure	ement then	the default de	gradation coefficient of heat pu	mps shall be 0,25	•		
	2010							

(***) 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.

Information requirements (heat pump)

			(heat p	ump)			
Model(s): GMV-280WL/C	1-X						
Outdoor side heat				air			
exchanger of heat pump				un			
Indoor side heat	air						
exchanger of heat pump				un			
Indication if the heater							
is equipped with a	no						
supplementary heater							
If applicable: driver of				electric motor			
compressor Parameters declared for							
	Warmer climate condition						
Item	symbol	value	unit	Item	symbol	value	unit
Rated heating capacity	P _{rated,h}	28.00	kW	Seasonal space heating energy efficiency	$\eta_{s,h}$	263.8	%
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 Tj			
$T_j = -7 \degree C$	Pdh	-	kW	$T_j = -7 \ ^{\circ}C$	COPd	-	-
$T_j = +2 \circ C$	Pdh	21.00	kW	$T_i = +2 \circ C$	COPd	2.80	_
$T_i = +7 \circ C$	Pdh	14.00	kW	$T_j = +7 \circ C$	COPd	6.00	-
$T_i = +12 \text{ °C}$	Pdh	6.20	kW	$T_{i} = +12 \text{ °C}$	COPd	8.70	_
$T_{biv} = bivalent$				-			
temperature	Pdh	21.00	kW	$T_{biv} = bivalent temperature$	COPd	2.80	-
$T_{OL} = operation limit$	Pdh	21.00	kW	T_{OL} = operation limit	COPd	2.80	-
Tj = - 15 °C (if TOL < - 20 °C)	Pdh	-	kW	Tj = -15 °C (if TOL < - 20 °C)	COPd	-	-
Bivalent temperature	T_{biv}	2.00	°C	Operation limit temperature	T _{ol}	2.00	°C
Degradation co-efficient heat pumps(**)	C_{dh}	0.25					
Power consumption in modes other than 'active mode'				Supplementary heater			
Off mode	P _{OFF}	0.030	kW	Back-up heating capacity (*)	elbu	0	kW
Thermostat-off mode	P _{TO}	0.055	kW	Type of energy input	Elec	etric	
Crankcase heater mode	Рск	0.045	kW	Standby mode	P _{SB}	0.030	kW
			Other	items			
Capacity control		variable		: G			
Sound power level,	т	-/82.00	dB	air flow rate, outdoor measured	_	11000	m ³ /h
indoor/outdoor measured	L_{WA}	-/ 82.00	uD	measureu			
Emissions of nitrogen oxides (if applicable)	NOx(***)	-	mg/kWh input GCV	Rated brine or water flow rate, outdoor side heat			m ³ /h
GWP of the refrigerant	$\begin{array}{c} 2088 \\ \hline \\ 100 \text{ years} \end{array}$			exchanger		-	
Contact details: West Jinji Rd, Qianshan, Z	huhai, Guange	dong, Chin		Name of manufacturer: GREE ELECTRIC APPLIAN	ICES,INC. OF ZH	IUHAI	I

(***) 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.