

裁切线

Information requirements for air-to-air air conditioners							
Model(s):	Indoor unit(s)			MFGA-55FN1RD0			
	Outdoor unit			MOU-55FN1-RD0			
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	$P_{rated,c}$	15.8	kW	Seasonal space cooling energy efficiency	$\eta_{s,c}$	241.0	%
Declared cooling capacity for part load at given outdoor temperatures T_j and indoor 27°/19 °C (dry/wet bulb)				Declared energy efficiency ratio or gas utilisation efficiency/auxiliary energy factor for part load at given outdoor temperatures T_j			
$T_j = 35^\circ\text{C}$	Pdc	15.800	kW	$T_j = 35^\circ\text{C}$	EERd	263.1	%
$T_j = 30^\circ\text{C}$	Pdc	11.342	kW	$T_j = 30^\circ\text{C}$	EERd	411.5	%
$T_j = 25^\circ\text{C}$	Pdc	7.621	kW	$T_j = 25^\circ\text{C}$	EERd	705.6	%
$T_j = 20^\circ\text{C}$	Pdc	3.320	kW	$T_j = 20^\circ\text{C}$	EERd	1360.7	%
Degradation co-efficient for air conditioners (*)	Cdc	0.25	—				
Power consumption in modes other than 'active mode'							
Off mode	P _{OFF}	0.009	kW	Crankcase heater mode	P _{CK}	0.000	kW
Thermostat-off mode	P _{TO}	0.013	kW	Standby mode	P _{SB}	0.009	kW
Other items							
Capacity control	variable			For air-to-air air conditioner: air flow rate, outdoor measured	—	7200	m ³ /h
Sound power level, indoor/outdoor	L _{WA}	67/74	dB				
If engine driven: Emissions of nitrogen oxides	NO _x (**)	x	mg/kWh fuel input GCV				
GWP of the refrigerant		2088	kg CO ₂ eq (100 years)				
Contact details	Importer: FG EUROPE SA 128, VOULAGMENIS AVE 16674 GLYFADA, GREECE Technical support email: fge.service@fg.europa.gr TEL. +30 210 9696500 TEL. +30 210 9697450			Manufacturer: GD Midea Air-Conditioning Equipment Co., Ltd. Midea Industrial City, Beijiao, Shunde, Foshan, Guangdong, China, Zip code: 528311 Fax: +86 (0757)26654011 Telephone: +86 (0757)26338888			

Information requirements for heat pumps							
Model(s):	Indoor unit(s)			MFGA-55FN1RD0			
	Outdoor unit			MOU-55FN1-RD0			
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: yes							
If applicable: driver of compressor: electric motor							
Parameters shall be declared for the average heating season, parameters for the warmer and colder heating seasons are optional.							
Item	Symbol	Value	Unit	Item	Symbol	Value	Unit
Rated heating capacity	$P_{rated,h}$	12.1	kW	Seasonal space heating energy efficiency	$\eta_{s,h}$	157.0	%
Declared heating capacity for part load at indoor temperature 20 °C and outdoor temperature T_j				Declared coefficient of performance or gas utilisation efficiency/auxiliary energy factor for part load at given outdoor temperatures T_j			
Item	symbol	value	unit	Item	symbol	value	unit
$T_j = -7^\circ\text{C}$	Pdh	10.790	kW	$T_j = -7^\circ\text{C}$	COPd	274.1	%
$T_j = 2^\circ\text{C}$	Pdh	6.920	kW	$T_j = 2^\circ\text{C}$	COPd	370.1	%
$T_j = 7^\circ\text{C}$	Pdh	4.293	kW	$T_j = 7^\circ\text{C}$	COPd	557.5	%
$T_j = 12^\circ\text{C}$	Pdh	4.414	kW	$T_j = 12^\circ\text{C}$	COPd	670.8	%
T_{biv} = bivalent temperature	Pdh	12.148	kW	T_{biv} = bivalent temperature	COPd	247.8	%
T_{OL} = operating limit	Pdh	11.922	kW	T_{OL} = operating limit	COPd	210.6	%
For air-to-water heat pumps: $T_j = -15^\circ\text{C}$ (if $T_{OL} < -20^\circ\text{C}$)	Pdh	x,x	kW	For air-to-water heat pumps: $T_j = -15^\circ\text{C}$ (if $T_{OL} < -20^\circ\text{C}$)	COPd	x,x	%
Bivalent temperature	T_{biv}	-10	°C	For water-to-air heat pumps: Operation limit temperature	T_{ol}	-15	°C
Degradation co-efficient heat pumps (**)	C _{dh}	0.25	—				
Power consumption in modes other than 'active mode'				Supplementary heater			
Off mode	P _{OFF}	0.009	kW	Back-up heating capacity (*)	e _{lbu}	0.0	kW
Thermostat-off mode	P _{TO}	0.013	kW	Type of energy input			
Crankcase heater mode	P _{CK}	0.000	kW	Standby mode	P _{SB}	0.009	kW
Other items							
Capacity control	variable			For air-to-air heat pumps: air flow rate, outdoor measured	—	7200	m ³ /h
Sound power level, indoor/outdoor measured	L _{WA}	67/74	dB	For water/brine-to-air heat pumps: Rated brine or water flow rate, outdoor side heat exchanger	—	x	m ³ /h
Emissions of nitrogen oxides (if applicable)	NO _x (**)	x	mg/kWh fuel input GCV				
GWP of the refrigerant		2088	kg CO ₂ eq (100 years)				
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