

# Information sheet (Lot. 10)

This information includes the results of calculation of the seasonal energy consumption and efficiency for air conditioner in regards to ErP pursuant to the Commission Regulation(EU) No. 206/2012 and No. 626/2011.

Information to identify the model(s) to which the information relates to:

TYPE : AIR CONDITIONER  
 : SINGLE SPLIT  
 : WALL MOUNTED  
 indoor unit(s) : ASYG12KMCEN  
 outdoor unit : AOYG12KMCEN  
 BRAND : FUJITSU

N/A = Not Applicable

Function			
Cooling	Yes	Average	Yes
Heating	Yes	Warmer	No
		Colder	Yes

Design load				Seasonal efficiency			
Item	Symbol	Value	Unit	Item	Symbol	Value	Unit
Cooling	Pdesignc	3.4	kW	Cooling	SEER	7.50	-
Heating/Average	Pdesignc	3.6	kW	Heating/Average	SCOP/A	4.60	-
Heating/Warmer	Pdesignc	N/A	kW	Heating/Warmer	SCOP/W	N/A	-
Heating/Colder	Pdesignc	5.2	kW	Heating/Colder	SCOP/C	3.40	-

Cooling				Declared energy efficiency ratio.			
Declared capacity for cooling, at indoor temperature 27 (19) °C and outdoor temperature Tj				Declared capacity for heating/Average season, at indoor temperature 20 °C and outdoor temperature Tj			
Item	Symbol	Value	Unit	Item	Symbol	Value	Unit
Tj = 35°C	Pdc	3.40	kW	Tj = 35°C	EERd	4.25	-
Tj = 30°C	Pdc	2.51	kW	Tj = 30°C	EERd	5.96	-
Tj = 25°C	Pdc	1.61	kW	Tj = 25°C	EERd	9.47	-
Tj = 20°C	Pdc	1.56	kW	Tj = 20°C	EERd	13.10	-

Heating/Average				Declared capacity for heating/Warmer season.			
Declared capacity for heating/Average season, at indoor temperature 20 °C and outdoor temperature Tj				Declared capacity for heating/Colder season, at indoor temperature 20 °C and outdoor temperature Tj			
Item	Symbol	Value	Unit	Item	Symbol	Value	Unit
Tj = -7°C	Pdh	3.18	kW	Tj = -7°C	COPd	2.76	-
Tj = 2°C	Pdh	1.94	kW	Tj = 2°C	COPd	4.74	-
Tj = 7°C	Pdh	1.25	kW	Tj = 7°C	COPd	5.82	-
Tj = 12°C	Pdh	1.02	kW	Tj = 12°C	COPd	6.65	-
Tj = bivalent temperature	Pdh	3.60	kW	Tj = bivalent temperature	COPd	2.57	-
Tj = operating limit	Pdh	3.28	kW	Tj = operating limit	COPd	1.78	-

Heating/Warmer				Declared capacity for heating/Warmer season.			
Declared capacity for heating/Warmer season, at indoor temperature 20 °C and outdoor temperature Tj				Declared capacity for heating/Warmer season, at indoor temperature 20 °C and outdoor temperature Tj			
Item	Symbol	Value	Unit	Item	Symbol	Value	Unit
Tj = 2°C	Pdh	N/A	kW	Tj = 2°C	COPd	N/A	-
Tj = 7°C	Pdh	N/A	kW	Tj = 7°C	COPd	N/A	-
Tj = 12°C	Pdh	N/A	kW	Tj = 12°C	COPd	N/A	-
Tj = bivalent temperature	Pdh	N/A	kW	Tj = bivalent temperature	COPd	N/A	-
Tj = operating limit	Pdh	N/A	kW	Tj = operating limit	COPd	N/A	-

Heating/Colder				Declared capacity for heating/Warmer season.			
Declared capacity for heating/Colder season, at indoor temperature 20 °C and outdoor temperature Tj				Declared capacity for heating/Warmer season, at indoor temperature 20 °C and outdoor temperature Tj			
Item	Symbol	Value	Unit	Item	Symbol	Value	Unit
Tj = -7°C	Pdh	3.15	kW	Tj = -7°C	COPd	2.56	-
Tj = 2°C	Pdh	1.92	kW	Tj = 2°C	COPd	4.46	-
Tj = 7°C	Pdh	1.23	kW	Tj = 7°C	COPd	5.34	-
Tj = 12°C	Pdh	1.02	kW	Tj = 12°C	COPd	6.37	-
Tj = bivalent temperature	Pdh	4.24	kW	Tj = bivalent temperature	COPd	1.99	-
Tj = operating limit	Pdh	3.28	kW	Tj = operating limit	COPd	1.78	-
Tj=-15°C	Pdh	4.24	kW	Tj=-15°C	COPd	1.99	-

Bivalent temperature				Operating limit temperature			
Item	Symbol	Value	Unit	Item	Symbol	Value	Unit
Heating/Average	Tbiv	-10	°C	Heating/Average	Tol	-25	°C
Heating/Warmer	Tbiv	N/A	°C	Heating/Warmer	Tol	N/A	°C
Heating/Colder	Tbiv	-15	°C	Heating/Colder	Tol	-25	°C

Cycling interval capacity				Cycling interval efficiency			
Item	Symbol	Value	Unit	Item	Symbol	Value	Unit
For cooling	Pcyc	N/A	kW	For cooling	EERcyc	N/A	-
For heating	Pcyc	N/A	kW	For heating	COPcyc	N/A	-
Degradation coefficient cooling	Cdc	0.25	-	Degradation coefficient cooling	Cdh	0.25	-

Electric power input in power modes other than 'active mode'				Annual electricity consumption			
Item	Symbol	Value	Unit	Item	Symbol	Value	Unit
Off mode (Cooling/Heating)	P <sub>OFF</sub>	5.0/5.0	W	Cooling	Q <sub>CE</sub>	159	kWh/a
Standby mode (Cooling/Heating)	P <sub>SB</sub>	5.0/5.0	W	Heating/Average	Q <sub>HE</sub>	1096	kWh/a
Thermostat-off mode (Cooling/Heating)	P <sub>TO</sub>	1.0/9.0	W	Heating/Warmer	Q <sub>HE</sub>	N/A	kWh/a
Crankcase heater mode (Cooling/Heating)	P <sub>CK</sub>	0.0/0.0	W	Heating/Colder	Q <sub>HE</sub>	3212	kWh/a

Capacity control		Other items			
Item	Y/N	Item	Symbol	Value	Unit
Fixed	No	Sound power level (Indoor/Outdoor)	L <sub>WA</sub>	56.0/59.0	dB (A)
Staged	No	Global warming potential	GWP	675	kgCO <sub>2</sub> eq.
Variable	Yes	Rated air flow (Indoor/Outdoor)	-	690/2210	m <sup>3</sup> /h

Contact details for obtaining more information	FUJITSU GENERAL LIMITED 3-3-17, Suenaga, Takatsu-ku, kawasaki, 213-8502, Japan
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