

[1] Information sheet (Lot.21)

[2] 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) 2016/2281.

Model information

Outdoor unit / Indoor unit	AOHG45KRTA / ARXG45KHTB
Outdoor side heat exchanger of air conditioner	Air
Indoor side heat exchanger of air conditioner	Air
Compressor type / driver of compressor	Vapour compression / Electric motor

Cooling							
Item	Symbol	Value	Unit	Item	Symbol	Value	Unit
Rated cooling capacity	$P_{rated,c}$	12.1	kW	Seasonal space cooling energy efficiency	$\eta_{s,c}$	202.6	%
Declared cooling capacity for part load at given outdoor temperatures T_j and indoor 27°/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}	12.10	kW	$T_j = + 35 \text{ °C}$	EER_d	2.91	—
$T_j = + 30 \text{ °C}$	P_{dc}	8.92	kW	$T_j = + 30 \text{ °C}$	EER_d	4.90	—
$T_j = + 25 \text{ °C}$	P_{dc}	5.73	kW	$T_j = + 25 \text{ °C}$	EER_d	6.52	—
$T_j = + 20 \text{ °C}$	P_{dc}	4.52	kW	$T_j = + 20 \text{ °C}$	EER_d	6.50	—
Degradation co-efficient for air conditioners	C_{dc}	0.25	—	—	—	—	—
Power consumption in modes other than 'active mode'							
Off mode	P_{OFF}	0.007	kW	Crankcase heater mode	P_{CK}	0.000	kW
Thermostat-off mode	P_{TO}	0.107	kW	Standby mode	P_{SB}	0.007	kW

Heating							
Item	Symbol	Value	Unit	Item	Symbol	Value	Unit
Rated heating capacity	$P_{rated,h}$	13.5	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 for part load at given outdoor temperatures T_j			
$T_j = - 7 \text{ °C}$	P_{dh}	8.14	kW	$T_j = - 7 \text{ °C}$	COP_d	2.99	—
$T_j = + 2 \text{ °C}$	P_{dh}	4.95	kW	$T_j = + 2 \text{ °C}$	COP_d	4.11	—
$T_j = + 7 \text{ °C}$	P_{dh}	4.31	kW	$T_j = + 7 \text{ °C}$	COP_d	4.79	—
$T_j = + 12 \text{ °C}$	P_{dh}	4.95	kW	$T_j = + 12 \text{ °C}$	COP_d	5.75	—
T_{biv} = bivalent temperature	P_{dh}	8.14	kW	T_{biv} = bivalent temperature	COP_d	2.99	—
T_{OL} = operation limit	P_{dh}	7.38	kW	T_{OL} = operation limit	COP_d	2.73	—
Bivalent temperature	T_{biv}	-7	°C	—	—	—	—
Degradation co-efficient heat pumps	C_{dh}	0.25	—	—	—	—	—
Power consumption in modes other than 'active mode'				Supplementary heater			
Off mode	P_{OFF}	0.007	kW	Back-up heating capacity	el_{bu}	1.35	kW
Thermostat-off mode	P_{TO}	0.016	kW	Type of energy input	Electricity		
Crankcase heater mode	P_{CK}	0.000	kW	Standby mode	P_{SB}	0.007	kW

Other items								
Capacity control		Variable			GWP of the refrigerant		675	kg CO ₂ eq (100 years)
Sound power level (Indoor unit / Outdoor unit)	Cooling	L_{WA}	75.0 / 71.0	dB	Air flow rate, outdoor measured	Cooling	4450	m ³ /h
	Heating	L_{WA}	74.0 / 71.0	dB		Heating	4450	m ³ /h
Contact details					FUJITSU GENERAL LIMITED 3-3-17,Suenaga, Takatsu-ku, Kawasaki 213-8502, Japan			

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* Please refer to the last page for translation to other languages.