

[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	AOYG45LBTC / AUYG45LRLA
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	$\eta_{s,c}$	245.0	%
Declared cooling capacity for part load at given outdoor temperatures T_j and indoor 27°/19 °C (dry/wet bulb)				Declared energy efficiency ratio 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	3.11	—
$T_j = + 30 \text{ °C}$	P_{dc}	8.92	kW	$T_j = + 30 \text{ °C}$	EER_d	4.71	—
$T_j = + 25 \text{ °C}$	P_{dc}	5.73	kW	$T_j = + 25 \text{ °C}$	EER_d	7.50	—
$T_j = + 20 \text{ °C}$	P_{dc}	6.18	kW	$T_j = + 20 \text{ °C}$	EER_d	10.22	—
Degradation co-efficient for air conditioners	C_{dc}	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}	0.003	kW	Standby mode	P_{SB}	0.009	kW

Heating							
Item	Symbol	Value	Unit	Item	Symbol	Value	Unit
Rated heating capacity	$P_{rated,h}$	13.5	kW	Seasonal space heating energy efficiency	$\eta_{s,h}$	161.0	%
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	2.49	—
$T_j = + 2 \text{ °C}$	P_{dh}	4.95	kW	$T_j = + 2 \text{ °C}$	COP_d	4.14	—
$T_j = + 7 \text{ °C}$	P_{dh}	4.79	kW	$T_j = + 7 \text{ °C}$	COP_d	5.76	—
$T_j = + 12 \text{ °C}$	P_{dh}	5.49	kW	$T_j = + 12 \text{ °C}$	COP_d	7.02	—
T_{biv} = bivalent temperature	P_{dh}	8.14	kW	T_{biv} = bivalent temperature	COP_d	2.49	—
T_{OL} = operation limit	P_{dh}	7.79	kW	T_{OL} = operation limit	COP_d	2.40	—
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}	0.009	kW	Back-up heating capacity	el_{bu}	1.19	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}	0.009	kW

Other items								
Capacity control		Variable			GWP of the refrigerant		2088	kg CO ₂ eq (100 years)
Sound power level (Indoor unit / Outdoor unit)	Cooling	L_{WA}	61.0 / 72.0	dB	Air flow rate, outdoor measured	Cooling	4650	m ³ /h
	Heating	L_{WA}	60.0 / 72.0	dB		Heating	4650	m ³ /h
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* Please refer to the last page for translation to other languages.