

## [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 / ARYG45LMLA
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	$\eta_{s,c}$	193.0	%
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	$T_j = + 35\text{ °C}$	$EER_d$	2.82	—
$T_j = + 30\text{ °C}$	$P_{dc}$	8.92	kW	$T_j = + 30\text{ °C}$	$EER_d$	4.03	—
$T_j = + 25\text{ °C}$	$P_{dc}$	5.73	kW	$T_j = + 25\text{ °C}$	$EER_d$	5.71	—
$T_j = + 20\text{ °C}$	$P_{dc}$	5.98	kW	$T_j = + 20\text{ °C}$	$EER_d$	7.12	—
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	$P_{rated,h}$	13.3	kW	Seasonal space heating energy efficiency	$\eta_{s,h}$	137.0	%
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	$T_j = - 7\text{ °C}$	$COP_d$	2.35	—
$T_j = + 2\text{ °C}$	$P_{dh}$	4.95	kW	$T_j = + 2\text{ °C}$	$COP_d$	3.52	—
$T_j = + 7\text{ °C}$	$P_{dh}$	5.13	kW	$T_j = + 7\text{ °C}$	$COP_d$	4.74	—
$T_j = + 12\text{ °C}$	$P_{dh}$	5.73	kW	$T_j = + 12\text{ °C}$	$COP_d$	5.53	—
$T_{biv}$ = bivalent temperature	$P_{dh}$	8.14	kW	$T_{biv}$ = bivalent temperature	$COP_d$	2.35	—
$T_{OL}$ = operation limit	$P_{dh}$	7.70	kW	$T_{OL}$ = operation limit	$COP_d$	2.20	—
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	$e_{lbu}$	1.23	kW
Thermostat-off mode	$P_{TO}$	0.020	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 <sub>2</sub> eq (100 years)
Sound power level (Indoor unit / Outdoor unit)	Cooling	$L_{WA}$	68.0 / 72.0	dB	Air flow rate, outdoor measured	Cooling	4650	m <sup>3</sup> /h
	Heating	$L_{WA}$	70.0 / 72.0	dB		Heating	4650	m <sup>3</sup> /h
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\* Please refer to the last page for translation to other languages.



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