

Cooling

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

Outdoor side heat exchanger of air conditioner: [default: air]

Indoor side heat exchanger of air conditioner: [default: air]

Type: compressor driven vapour compression

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
Rated cooling capacity	$P_{\text{rated,c}}$	15,3	kW

Item	Symbol	Value	Unit
Seasonal space cooling energy efficiency	$\eta_{\text{s,c}}$	241,0	%

Declared cooling capacity for part load at given outdoor temperatures T_j and indoor 27°/19°C (dry/wet bulb)

$T_j=+35^\circ\text{C}$	P_{dc}	15,400	Kw
$T_j=+30^\circ\text{C}$	P_{dc}	11,384	Kw
$T_j=+25^\circ\text{C}$	P_{dc}	7,297	Kw
$T_j=+20^\circ\text{C}$	P_{dc}	3,342	Kw

Declared energy efficiency ratio or gas utilisation efficiency/auxiliary energy factor for part load at given outdoor temperatures T_j

$T_j=+35^\circ\text{C}$	EER_d	281,9	%
$T_j=+30^\circ\text{C}$	EER_d	453,1	%
$T_j=+25^\circ\text{C}$	EER_d	691,8	%
$T_j=+20^\circ\text{C}$	EER_d	1214,8	%

Degradation co-efficient for air conditioners(*)	C_{dc}	2,5	—
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Power consumption in modes other than «active mode»

Off mode	P_{OFF}	0,015	kw
Thermostat-off mode	P_{TO}	0,001	kw

Crankcase heater mode	P_{ck}	0	kw
Standby mode	P_{SB}	0,015	kw

Other items

Capacity control	fixed/staged/variable		
Sound power level, outdoor	L_{WA}	71/73	dB
GWP of the refrigerant		675	$\text{kgCO}_{2\text{eq}}$ (100 years)

For air-to-air air conditioner: air flow rate, outdoor measured	—	7200	m^3/h
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(*) If C_{dc} is not determined by measurement then the default degradation coefficient air conditioners shall be 0,25.

(**) From 26 September 2018.

Where information relates to multi-split air conditioners, the test result and performance data may be obtained on the basis of the performance of the outdoor unit, with a combination of indoor unit(s) recommended by the manufacturer or importer.

Heating

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

Outdoor side heat exchanger of air conditioner: [default: air]

Indoor side heat exchanger of air conditioner: [default: air]

Indication if the heater is equipped with a supplementary heater: no

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
Rated heating capacity	$P_{\text{rated,h}}$	12,5	kW

Item	Symbol	Value	Unit
Seasonal space heating energy efficiency	$\eta_{\text{s,h}}$	157,0	%

Declared heating capacity for part load at indoor temperature 20°C and outdoor temperature T_j

$T_j = -7^\circ\text{C}$	P_{dh}	11,568	Kw
$T_j = +2^\circ\text{C}$	P_{dh}	7,033	Kw
$T_j = +7^\circ\text{C}$	P_{dh}	4,570	Kw
$T_j = +12^\circ\text{C}$	P_{dh}	4,529	Kw
T_{bin} = bivalent temperature	P_{dh}	12,500	Kw
T_{OL} = operation limit	P_{dh}	12,500	Kw
Bivalent temperature	T_{biv}	-10	°C
Degradation co-efficient heat pumps (*)	C_{dh}	0,25	—

Declared coefficient of performance or gas utilisation efficiency/auxiliary energy factor for part load at given outdoor temperatures T_j

$T_j = -7^\circ\text{C}$	COP_d	272,1	Kw
$T_j = +2^\circ\text{C}$	COP_d	389,8	Kw
$T_j = +7^\circ\text{C}$	COP_d	508,9	Kw
$T_j = +12^\circ\text{C}$	COP_d	617,7	Kw
T_{bin} = bivalent temperature	COP_d	245,3	Kw
T_{OL} = operation limit	COP_d	245,3	Kw

Power consumption in modes other than «active mode»

Off mode	P_{OFF}	0,018	Kw
Thermostat-off mode	P_{TO}	0,032	Kw
Crankcase heater mode	P_{CK}	0,000	Kw

Supplementary heater

Back-up heating capacity (*)	e_{lbu}	0	Kw
Standby mode	P_{SB}	0,018	Kw

Other items

Capacity control	fixed/staged/variable		
Sound power level, indoor/outdoor measured	L_{WA}	71/73	dB
GWP of the refrigerant		675	$\text{kgCO}_{2\text{eq}}$ (100 years)

For air-to-air heat pumps: air flow rate, outdoor measured	—	7200	m^3/h
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(*) If C_{dh} is not determined by measurement then the default degradation coefficient of heat pumps shall be 0,25.

(**) From 26 September 2018.

Where information relates to multi-split heat pumps, the test result and performance data may be obtained on the basis of the performance of the outdoor unit, with a combination of indoor unit(s) recommended by the manufacturer or importer.