

Air Flux 5300 A

AF5300A 50-3

8733500294

To the extent applicable to the product, the following data are based on the requirements of Regulation (EU) 2016/2281.

Productdata	Symbol	Unit	8733500294
Information for air-to-air air conditioners (usage of this product for cooling purposes, table 11)			
Outdoor side heat exchanger of air conditioner		air	
Indoor side heat exchanger of air conditioner		air	
Type		vapour compression	
Driver of compressor		electric motor	
Rated cooling capacity	$P_{rated,c}$	kW	50,0
Design load $P_{designc}$	$P_{designc}$	kW	50,0
Seasonal space cooling energy efficiency	$\eta_{s,c}$	%	269,0
Seasonal energy efficiency ratio	SEER		6,8
Declared cooling capacity for part load at given outdoor temperatures T_j and indoor 27°/19°C (dry/wet bulb)			
Declared capacity for cooling at indoor 27(19) °C and outdoor 35 °C	P_{dc}	kW	50,0
Declared capacity for cooling at indoor 27(19) °C and outdoor 30 °C	P_{dc}	kW	35,7
Declared capacity for cooling at indoor 27(19) °C and outdoor 25 °C	P_{dc}	kW	22,7
Declared capacity for cooling at indoor 27(19) °C and outdoor 20 °C	P_{dc}	kW	11,0
Degradation co-efficient cooling	C_{dc}		0,3
Declared energy efficiency ratio or gas utilisation efficiency/auxiliary energy factor for part load at given outdoor Temperatures T_j			
Declared energy efficiency ratio at indoor 27(19) °C and outdoor 35 °C	EERd		3,4
Declared energy efficiency ratio at indoor 27(19) °C and outdoor 30 °C	EERd		4,8
Declared energy efficiency ratio at indoor 27(19) °C and outdoor 25 °C	EERd		8,3
Declared energy efficiency ratio at indoor 27(19) °C and outdoor 20 °C	EERd		12,8
Power consumption in modes other than active mode			
Off mode	P_{OFF}	kW	0,064
Thermostat-off mode	P_{TO}	kW	0,000
Crankcase heater mode	P_{CK}	kW	0,064
In standby mode	P_{SB}	kW	0,064
Other items			
Capacity control			variable
Sound power level, outdoor	L_{WA}	dB	88,0
Sound power level, indoor	L_{WA}	dB	-
Air flow rate, outdoor measured	m^3/h	m^3/h	13000
Refrigerant leakage contributes to climate change. Refrigerant with lower global warming potential (GWP) would contribute less to global warming than a refrigerant with higher GWP, if leaked to the atmosphere. This appliance contains a refrigerant fluid with a GWP equal to 2088 kgCO ₂ eq. This means that if 1 kg of this refrigerant fluid would be leaked to the atmosphere, the impact on global warming would be 2088 times higher than 1 kg of CO ₂ , over a period of 100 years. Never try to interfere with the refrigerant circuit yourself or disassemble the product yourself and always ask a professional.			

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Productdata	Symbol	Unit	8733500294
Information for heat pumps (usage of this product for heating purposes, table 14)			
Outdoor side heat exchanger of air conditioner		air	
Indoor side heat exchanger of air conditioner		air	
Equipped with a supplementary heater?		No	
Driver of compressor		electric motor	
Rated heating capacity	$P_{rated,h}$	kW	50,0
Design load average climate	$P_{designh}$	kW	39,9
Seasonal space heating energy efficiency	$\eta_{s,h}$	%	143,0
SCOP/A average climate	SCOP/A		3,6
Declared heating capacity for part load at indoor temperature 20°C and outdoor temperature Tj			
Declared capacity for heating (average season) at indoor 20 °C outdoor -7 °C	P_{dh}	kW	35,3
Declared capacity for heating (average season) at indoor 20 °C outdoor 2 °C	P_{dh}	kW	21,4
Declared capacity for heating (average season) at indoor 20 °C outdoor 7 °C	P_{dh}	kW	14,3
Declared capacity for heating (average season) at indoor 20 °C outdoor 12 °C	P_{dh}	kW	9,5
Declared capacity for heating (average season) at indoor 20 °C outdoor bivalent temperature	P_{dh}	kW	35,3
Declared capacity for heating (average season) at indoor 20 °C outdoor operating limit	P_{dh}	kW	39,2
Bivalent temperature heating - average	T_{biv}	°C	-7
Operational limit temperature heating - average	T_{ol}	°C	-10
Degradation co-efficient heating	C_{dh}		0,3
Declared coefficient of performance for part load at given outdoor temperatures Tj			
Declared coefficient of performance (average season) at indoor 20 °C outdoor -7 °C	COP_d		2,2
Declared coefficient of performance (average season) at indoor 20 °C outdoor 2 °C	COP_d		3,5
Declared coefficient of performance (average season) at indoor 20 °C outdoor 7 °C	COP_d		5,0
Declared coefficient of performance (average season) at indoor 20 °C outdoor 12 °C	COP_d		7,2
Declared coefficient of performance (average season) at indoor 20 °C outdoor bivalent temperature	COP_d		2,2
Declared coefficient of performance (average season) at indoor 20 °C outdoor operating limit	COP_d		1,9
Power consumption in modes other than active mode			
In off mode	P_{OFF}	kW	0,064
In thermostat-off mode	P_{TO}	kW	0,064
In crankcase heater mode	P_{CK}	kW	0,124
In standby mode	P_{SB}	kW	0,064
Supplementary heater			
Back up heating capacity at reference design conditions		kW	0,7
Type of energy input			-
Other items			
Capacity control			variable
Sound power level, outdoor	L_{WA}	dB	88,0
Sound power level, indoor	L_{WA}	dB	-
Emissions of nitrogen oxides (only gas- or oil fired)	NO_x	mg/kWh	-
Air flow rate, outdoor measured	m^3/h	m^3/h	13000

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