

**Air Flux 5300 A**

AF5300A 90 C-3

8733500314

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

Productdata	Symbol	Unit	8733500314
<b>Information for air-to-air air conditioners (usage of this product for cooling purposes, table 11)</b>			
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	90,0
Design load $P_{designc}$	$P_{designc}$	kW	90,0
Seasonal space cooling energy efficiency	$\eta_{s,c}$	%	233,0
Seasonal energy efficiency ratio	SEER		5,9
<b>Declared cooling capacity for part load at given outdoor temperatures <math>T_j</math> and indoor 27°/19°C (dry/wet bulb)</b>			
Declared capacity for cooling at indoor 27(19) °C and outdoor 35 °C	$P_{dc}$	kW	90,0
Declared capacity for cooling at indoor 27(19) °C and outdoor 30 °C	$P_{dc}$	kW	60,7
Declared capacity for cooling at indoor 27(19) °C and outdoor 25 °C	$P_{dc}$	kW	39,0
Declared capacity for cooling at indoor 27(19) °C and outdoor 20 °C	$P_{dc}$	kW	18,1
Degradation co-efficient cooling	$C_{dc}$		0,3
<b>Declared energy efficiency ratio or gas utilisation efficiency/auxiliary energy factor for part load at given outdoor Temperatures <math>T_j</math></b>			
Declared energy efficiency ratio at indoor 27(19) °C and outdoor 35 °C	EERd		2,9
Declared energy efficiency ratio at indoor 27(19) °C and outdoor 30 °C	EERd		4,1
Declared energy efficiency ratio at indoor 27(19) °C and outdoor 25 °C	EERd		6,8
Declared energy efficiency ratio at indoor 27(19) °C and outdoor 20 °C	EERd		12,0
<b>Power consumption in modes other than active mode</b>			
Off mode	$P_{OFF}$	kW	0,085
Thermostat-off mode	$P_{TO}$	kW	0,000
Crankcase heater mode	$P_{CK}$	kW	0,085
In standby mode	$P_{SB}$	kW	0,085
<b>Other items</b>			
Capacity control			variable
Sound power level, outdoor	$L_{WA}$	dB	90,0
Sound power level, indoor	$L_{WA}$	dB	-
Air flow rate, outdoor measured	$m^3/h$	$m^3/h$	24000
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 <sub>2</sub> 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 <sub>2</sub> , 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	8733500314
<b>Information for heat pumps (usage of this product for heating purposes, table 14)</b>			
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	90,0
Design load average climate	$P_{designh}$	kW	45,0
Seasonal space heating energy efficiency	$\eta_{s,h}$	%	151,0
SCOP/A average climate	SCOP/A		3,8
<b>Declared heating capacity for part load at indoor temperature 20°C and outdoor temperature Tj</b>			
Declared capacity for heating (average season) at indoor 20 °C outdoor -7 °C	$P_{dh}$	kW	38,8
Declared capacity for heating (average season) at indoor 20 °C outdoor 2 °C	$P_{dh}$	kW	24,6
Declared capacity for heating (average season) at indoor 20 °C outdoor 7 °C	$P_{dh}$	kW	16,8
Declared capacity for heating (average season) at indoor 20 °C outdoor 12 °C	$P_{dh}$	kW	13,0
Declared capacity for heating (average season) at indoor 20 °C outdoor bivalent temperature	$P_{dh}$	kW	45,0
Declared capacity for heating (average season) at indoor 20 °C outdoor operating limit	$P_{dh}$	kW	45,0
Bivalent temperature heating - average	$T_{biv}$	°C	-10
Operational limit temperature heating - average	$T_{ol}$	°C	-10
Degradation co-efficient heating	$C_{dh}$		0,3
<b>Declared coefficient of performance for part load at given outdoor temperatures Tj</b>			
Declared coefficient of performance (average season) at indoor 20 °C outdoor -7 °C	$COP_d$		2,5
Declared coefficient of performance (average season) at indoor 20 °C outdoor 2 °C	$COP_d$		3,4
Declared coefficient of performance (average season) at indoor 20 °C outdoor 7 °C	$COP_d$		6,1
Declared coefficient of performance (average season) at indoor 20 °C outdoor 12 °C	$COP_d$		6,9
Declared coefficient of performance (average season) at indoor 20 °C outdoor bivalent temperature	$COP_d$		1,9
Declared coefficient of performance (average season) at indoor 20 °C outdoor operating limit	$COP_d$		1,9
<b>Power consumption in modes other than active mode</b>			
In off mode	$P_{OFF}$	kW	0,085
In thermostat-off mode	$P_{TO}$	kW	0,085
In crankcase heater mode	$P_{CK}$	kW	0,145
In standby mode	$P_{SB}$	kW	0,085
<b>Supplementary heater</b>			
Back up heating capacity at reference design conditions		kW	0,0
Type of energy input			-
<b>Other items</b>			
Capacity control			variable
Sound power level, outdoor	$L_{WA}$	dB	90,0
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	$m^3/h$	$m^3/h$	24000

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