BOSCH

AW 7 OR-S

8738213466

To the extent applicable to the product, the following data are based on the requirements of Regulations (EU) 811/2013 and (EU) 813/2013.

Productdata	Symbol	Unit	8738213466
Energy Efficiency Class			A++
Energy efficiency class (low temperature application)			A+++
Rated heat output (average climate conditions)	Prated	kW	7
Rated heat output (low temperature application, average climate conditions)	Prated	kW	7
Seasonal space heating energy efficiency (average climate conditions)	η_S	%	138
Seasonal space heating energy efficiency (low temperature application, average climate conditions)	η_S	%	180
Annual energy consumption (average climate conditions)	Q_{HE}	kWh	3878
Annual energy consumption (low temperature application, average climate conditions)	Q_{HE}	kWh	2975
Annual energy consumption	Q_{HE}	GJ	-
Sound power level, indoors	L_{WA}	dB	31
Special precautions to be taken during assembly, installation or maintenance (if applicable): see product accompanying documents			
Rated heat output (colder climate conditions)	Prated	kW	7
Rated heat output (low temperature application, colder climate conditions)	Prated	kW	7
Rated heat output (warmer climate conditions)	Prated	kW	6
Rated heat output (low temperature application, warmer climate conditions)	Prated	kW	7
Seasonal space heating energy efficiency (colder climate conditions)	η_S	%	117
Seasonal space heating energy efficiency (low temperature application, colder climate conditions)	η_S	%	161
Seasonal space heating energy efficiency (warmer climate conditions)	η_S	%	161
Seasonal space heating energy efficiency (low temperature application, warmer climate conditions)	η_S	%	207
Annual energy consumption (colder climate conditions)	Q_{HE}	kWh	5410
Annual energy consumption (colder climate)	Q_{HE}	GJ	-
Annual energy consumption (warmer climate conditions)	Q_{HE}	kWh	1860
Annual energy consumption (low temperature application, colder climate conditions)	Q_{HE}	kWh	4397
Annual energy consumption (warmer climate)	Q_{HE}	GJ	-
Annual energy consumption (low temperature application, warmer climate conditions)	Q_{HE}	kWh	1807
Sound power level, outdoors	L_{WA}	dB	42
Air-to-water heat pump			Yes
Water-to-water heat pump			No
Brine-to-water heat pump			No
Low temperature heat pump			No
Equipped with a supplementary heater?			Yes
Heat pump combination heater			No
Declared capacity for heating for part load at indoor temperature 20 °C and outdoor temperature Tj			
Tj = - 7 °C (average climate conditions)	Pdh	kW	5,9
Tj = + 2 °C (average climate conditions)	Pdh	kW	3,5
Tj = + 7 °C (average climate conditions)	Pdh	kW	2,5
Tj = + 12 °C (average climate conditions)	Pdh	kW	1,8
Tj = bivalent temperature (average climate conditions)	Pdh	kW	5,9
Tj = operation limit temperature	Pdh	kW	5,2
For air-to-water heat pumps: Tj = - 15 °C (if TOL < - 20 °C)	Pdh	kW	5,4
Bivalent temperature (average climate conditions)	T_{biv}	°C	-7
Cycling interval capacity for heating (average climate conditions)	Pcych	kW	-
Degradation coefficient			-

BOSCH

AW 7 OR-S

8738213466

Productdata	Symbol	Unit	8738213466
Degradation co-efficient (average climate conditions)	Cdh		1,0
Declared coefficient of performance or primary energy ratio for part load at indoor temperature 20 °C and outdoor temperature Tj /			
Tj = - 7 °C (average climate conditions)	COPd		2,09
Tj = - 7 °C (average climate conditions)	PERd	%	-
Tj = + 2 °C (average climate conditions)	COPd		3,49
Tj = + 2 °C (average climate conditions)	PERd	%	-
Tj = + 7 °C (average climate conditions)	COPd		4,68
Tj = + 7 °C (average climate conditions)	PERd	%	-
Tj = + 12 °C (average climate conditions)	COPd		5,75
Tj = + 12 °C (average climate conditions)	PERd	%	-
Tj = bivalent temperature (average climate conditions)	COPd		2,09
Tj = bivalent temperature	PERd	%	-
Tj = operation limit temperature	COPd		1,83
Tj = operation limit temperature	PERd	%	-
For air-to-water heat pumps: Tj = - 15 °C (if TOL < - 20 °C)	COPd		1,96
For air-to-water heat pumps: Tj = - 15 °C (if TOL < - 20 °C)	PERd	%	-
For air-to-water heat pumps: Operation limit temperature	TOL	°C	-22
Cycling interval efficiency (average climate conditions)	COPcyc		-
Cycling interval efficiency	PERcyc	%	-
Heating water operating limit temperature	WTOL	°C	60
Power consumption in modes other than active mode			
Off mode	P_{OFF}	kW	0,015
Thermostat-off mode	P_{TO}	kW	0,015
In standby mode	P_{SB}	kW	0,015
Crankcase heater mode	P_{CK}	kW	0,032
Supplementary heater			
Rated heat output supplementary heater	Psup	kW	1,4
Type of energy input			Electric
Other items			
Capacity control			variable
Emissions of nitrogen oxides (only gas- or oil fired)	NO_x	mg/kWh	-
For air-to-water heat pumps: Rated air flow rate, outdoors		m^3/h	1670
For brine-to-water heat pumps: Rated brine flow rate, outdoor heat exchanger		m^3/h	-

Further important information for installation, maintenance as well as recycling and/or disposal are provided within the installation and operating manuals. Read and follow the installation and operating manuals.