

AW 4 OR-S

8738213464

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	8738213464
Energy Efficiency Class			A++
Energy efficiency class (low temperature application)			A+++
Rated heat output (average climate conditions)	Prated	kW	4
Rated heat output (low temperature application, average climate conditions)	Prated	kW	4
Seasonal space heating energy efficiency (average climate conditions)	$\eta_s$	%	130
Seasonal space heating energy efficiency (low temperature application, average climate conditions)	$\eta_s$	%	180
Annual energy consumption (average climate conditions)	$Q_{HE}$	kWh	2492
Annual energy consumption (low temperature application, average climate conditions)	$Q_{HE}$	kWh	1987
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	3
Rated heat output (low temperature application, colder climate conditions)	Prated	kW	4
Rated heat output (warmer climate conditions)	Prated	kW	4
Rated heat output (low temperature application, warmer climate conditions)	Prated	kW	4
Seasonal space heating energy efficiency (colder climate conditions)	$\eta_s$	%	107
Seasonal space heating energy efficiency (low temperature application, colder climate conditions)	$\eta_s$	%	154
Seasonal space heating energy efficiency (warmer climate conditions)	$\eta_s$	%	143
Seasonal space heating energy efficiency (low temperature application, warmer climate conditions)	$\eta_s$	%	210
Annual energy consumption (colder climate conditions)	$Q_{HE}$	kWh	2861
Annual energy consumption (colder climate)	$Q_{HE}$	GJ	-
Annual energy consumption (warmer climate conditions)	$Q_{HE}$	kWh	1389
Annual energy consumption (low temperature application, colder climate conditions)	$Q_{HE}$	kWh	2381
Annual energy consumption (warmer climate)	$Q_{HE}$	GJ	-
Annual energy consumption (low temperature application, warmer climate conditions)	$Q_{HE}$	kWh	1077
Sound power level, outdoors	$L_{WA}$	dB	40
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
<b>Declared capacity for heating for part load at indoor temperature 20 °C and outdoor temperature Tj</b>			
Tj = - 7 °C (average climate conditions)	Pdh	kW	3,6
Tj = + 2 °C (average climate conditions)	Pdh	kW	2,3
Tj = + 7 °C (average climate conditions)	Pdh	kW	1,6
Tj = + 12 °C (average climate conditions)	Pdh	kW	1,8
Tj = bivalent temperature (average climate conditions)	Pdh	kW	3,6
Tj = operation limit temperature	Pdh	kW	3,1
For air-to-water heat pumps: Tj = - 15 °C (if TOL < - 20 °C)	Pdh	kW	2,6
Bivalent temperature (average climate conditions)	$T_{biv}$	°C	-7
Cycling interval capacity for heating (average climate conditions)	Pcych	kW	-
Degradation coefficient			-

Data at the time of printing. Latest version available on the Internet.

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Productdata	Symbol	Unit	8738213464
Degradation co-efficient (average climate conditions)	Cdh		1,0
<b>Declared coefficient of performance or primary energy ratio for part load at indoor temperature 20 °C and outdoor temperature Tj/</b>			
Tj = - 7 °C (average climate conditions)	COPd		2,12
Tj = - 7 °C (average climate conditions)	PERd	%	-
Tj = + 2 °C (average climate conditions)	COPd		3,24
Tj = + 2 °C (average climate conditions)	PERd	%	-
Tj = + 7 °C (average climate conditions)	COPd		4,37
Tj = + 7 °C (average climate conditions)	PERd	%	-
Tj = + 12 °C (average climate conditions)	COPd		5,41
Tj = + 12 °C (average climate conditions)	PERd	%	-
Tj = bivalent temperature (average climate conditions)	COPd		3,55
Tj = bivalent temperature	PERd	%	-
Tj = operation limit temperature	COPd		1,84
Tj = operation limit temperature	PERd	%	-
For air-to-water heat pumps: Tj = - 15 °C (if TOL < - 20 °C)	COPd		1,80
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	75
<b>Power consumption in modes other than active mode</b>			
Off mode	P <sub>OFF</sub>	kW	0,015
Thermostat-off mode	P <sub>TO</sub>	kW	0,014
In standby mode	P <sub>SB</sub>	kW	0,015
Crankcase heater mode	P <sub>CK</sub>	kW	0,033
<b>Supplementary heater</b>			
Rated heat output supplementary heater	P <sub>sup</sub>	kW	0,9
Type of energy input			Electric
<b>Other items</b>			
Capacity control			variable
Emissions of nitrogen oxides (only gas- or oil fired)	NO <sub>x</sub>	mg/kWh	-
For air-to-water heat pumps: Rated air flow rate, outdoors		m <sup>3</sup> /h	1160
For brine-to-water heat pumps: Rated brine flow rate, outdoor heat exchanger		m <sup>3</sup> /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.