

VITODENS 200-W

B2HA-120, B2HA-150

The product data specified meets the requirements of EU Regulations 811/2013 and 813/2013.

Product data	Symbol	Unit	B2HA-120	B2HA-150
Seasonal space heating energy efficiency			A	A
Rated heat output	P_{rated}	kW	111	136
Seasonal space heating energy efficiency	η_s	%	92	92
Annual energy consumption	Q_{HE}	kWh	58522	71739
sound power level indoors	L_{WA}	dB	54	60

For all special precautions to be taken during assembly, installation or maintenance of the space heater, see the service and installation instructions.

Model	Symbol	Unit	B2HA-120	B2HA-150
Condensing boiler			yes	yes
Low-temperature boiler			yes	yes
B1 boiler			no	no
Cogeneration space heater			no	
Combination heater			no	

Rated heat output	Symbol	Unit	B2HA-120	B2HA-150
Useful heat output at rated heat output and high-temperature regime	P_4	kW	105,5	138,7
Useful heat output at 30 % of rated heat output and low-temperature regime	P_1	kW	34,8	45,7

Seasonal space heating energy efficiency	Symbol	Unit	B2HA-120	B2HA-150
Useful efficiency at rated heat output and high-temperature regime	η_4	%	88,2	88
Useful efficiency at 30 % of rated heat output and low-temperature regime	η_1	%	96,9	96,8

Auxiliary electricity consumpt	Symbol	Unit	B2HA-120	B2HA-150
Auxiliary electricity consumption at full load	$e_{\text{el max}}$	kW	0,073	0,08
Auxiliary electricity consumption at part load	$e_{\text{el min}}$	kW	0,026	0,03
Auxiliary electricity consumption in standby mode	P_{SB}	kW	0,004	0,004

Other details	Symbol	Unit	B2HA-120	B2HA-150
Standby heat loss	P_{stby}	kW	0,129	0,129
ignition burner power consumption	P_{ign}	kW	-	-
Emissions of nitrogen oxides	NO_x	mg/kWh	46	45



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Criterion	Energy efficiency category, temperature controller	Contribution, central heating energy efficiency
• Room thermostat which switches the heat source on/off	1	1 %
• Weather-compensated control • Modulating heat source	2	2 %
• Weather-compensated control • Non-modulating heat source	3	1,5 %
• Room thermostat with TPI (Time Proportional Integral) properties • Non-modulating heat source	4	2 %
• Modulating room thermostat • Modulating heat source	5	3 %
• Weather compensation, control unit • Modulating heat source • Room temperature sensor in conjunction with room hook-up	6	4 %
• Weather compensation, control unit • Non-modulating heat source • Room temperature sensor in conjunction with room hook-up	7	3,5 %
• Individual room control with min. 3 room temperature sensors • Modulating heat source	8	5 %