

VITODENS 200-W

B2HA-80, B2HA-99

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

Product data	Symbol	Unit	B2HA-99	B2HA-80
Seasonal space heating energy efficiency			A	A
Rated heat output	P_{rated}	kW	91	74
Seasonal space heating energy efficiency	η_s	%	92	94
Annual energy consumption	Q_{HE}	kWh	47435	40130
sound power level indoors	L_{WA}	dB	59	56

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-99	B2HA-80
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-99	B2HA-80
Useful heat output at rated heat output and high-temperature regime	P_4	kW	90,9	74,1
Useful heat output at 30 % of rated heat output and low-temperature regime	P_1	kW	30	24,6

Seasonal space heating energy efficiency	Symbol	Unit	B2HA-99	B2HA-80
Useful efficiency at rated heat output and high-temperature regime	η_4	%	88,3	89
Useful efficiency at 30 % of rated heat output and low-temperature regime	η_1	%	97	98,4

Auxiliary electricity consumpt	Symbol	Unit	B2HA-99	B2HA-80
Auxiliary electricity consumption at full load	$e_{\text{el max}}$	kW	0,066	0,045
Auxiliary electricity consumption at part load	$e_{\text{el min}}$	kW	0,024	0,023
Auxiliary electricity consumption in standby mode	P_{SB}	kW	0,004	0,004

Other details	Symbol	Unit	B2HA-99	B2HA-80
Standby heat loss	P_{stby}	kW	0,076	0,076
ignition burner power consumption	P_{ign}	kW	-	-
Emissions of nitrogen oxides	NO_x	mg/kWh	24	24



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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 %