

VITODENS 100-W

B1HG-11, B1HG-11-M, B1HG-19, B1HG-19-M, B1HG-25, B1HG-25-M, B1HG-32, B1HG-32-M

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

Product data	Symbol	Unit	B1HG-11	B1HG-11-M	B1HG-19	B1HG-19-M	B1HG-25	B1HG-25-M	B1HG-32	B1HG-32-M
Seasonal space heating energy efficiency			A	A	A	A	A	A	A	A
Rated heat output	P_{rated}	kW	10	10	18	18	23	23	29	29
Seasonal space heating energy efficiency	η_s	%	93	93	93	93	94	94	94	94
Annual energy consumption	Q_{HE}	kWh	8697	8725	8776	9800	10968	12056	13759	14742
sound power level indoors	L_{WA}	dB	36	36	42	42	46	46	48	48

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	B1HG-11	B1HG-11-M	B1HG-19	B1HG-19-M	B1HG-25	B1HG-25-M	B1HG-32	B1HG-32-M
Condensing boiler			yes	yes	yes	yes	yes	yes	yes	yes
Low-temperature boiler			no	no	no	no	no	no	no	no
B1 boiler			no	no	no	no	no	no	no	no
Cogeneration space heater			No							
Combination heater			No							

Rated heat output	Symbol	Unit	B1HG-11	B1HG-11-M	B1HG-19	B1HG-19-M	B1HG-25	B1HG-25-M	B1HG-32	B1HG-32-M
Useful heat output at rated heat output and high-temperature regime	P_4	kW	10,1	10,1	17,6	17,5	22,8	23	29,3	29,3
Useful heat output at 30 % of rated heat output and low-temperature regime	P_1	kW	3,4	3,4	5,9	5,8	7,7	7,7	9,8	9,8

Seasonal space heating energy efficiency	Symbol	Unit	B1HG-11	B1HG-11-M	B1HG-19	B1HG-19-M	B1HG-25	B1HG-25-M	B1HG-32	B1HG-32-M
Useful efficiency at rated heat output and high-temperature regime	η_4	%	88,3	88,3	88,7	88,4	88,6	88,4	88,1	88,1
Useful efficiency at 30 % of rated heat output and low-temperature regime	η_1	%	99	98,6	98,6	97,9	98,7	98,8	98,7	98,7

Auxiliary electricity consumpt	Symbol	Unit	B1HG-11	B1HG-11-M	B1HG-19	B1HG-19-M	B1HG-25	B1HG-25-M	B1HG-32	B1HG-32-M
Auxiliary electricity consumption at full load	$e_{\text{el max}}$	kW	0,018	0,017	0,018	0,017	0,019	0,018	0,021	0,021
Auxiliary electricity consumption at part load	$e_{\text{el min}}$	kW	0,015	0,015	0,015	0,014	0,015	0,015	0,016	0,016
Auxiliary electricity consumption in standby mode	P_{SB}	kW	0,004	0,004	0,004	0,004	0,004	0,004	0,004	0,004



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Other details	Symbol	Unit	B1HG-11	B1HG-11-M	B1HG-19	B1HG-19-M	B1HG-25	B1HG-25-M	B1HG-32	B1HG-32-M
Standby heat loss	P _{stby}	kW	0,057	0,0573	0,057	0,0573	0,057	0,0573	0,0573	0,0573
ignition burner power consumption	P _{ign}	kW	0	0	0	0	0	0	0	0
Emissions of nitrogen oxides	NO _x	mg/kWh	26	17	31	21	31	23	25	25

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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 %