

## VITODENS 100-W HEAT ONLY

B1GA-11, B1GA-16, B1GA-19, B1GA-25, B1GA-32

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

Product data	Symbol	Unit	B1GA-11	B1GA-16	B1GA-19	B1GA-25	B1GA-32
Seasonal space heating energy efficiency			A	A	A	A	A
Rated heat output	$P_{\text{rated}}$	kW	10,2	14,8	17,5	23	29,4
Seasonal space heating energy efficiency	$\eta_s$	%	92	92	92	92	93
Annual energy consumption	$Q_{\text{HE}}$	kWh	8855	7704	8841	11196	13873
sound power level indoors	$L_{\text{WA}}$	dB	41	44	46	49	52

**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	B1GA-11	B1GA-16	B1GA-19	B1GA-25	B1GA-32
Condensing boiler			yes	yes	yes	yes	yes
Low-temperature boiler			no	no	no	no	no
B1 boiler			no	no	no	no	no
Cogeneration space heater					no		
Combination heater					no		

Rated heat output	Symbol	Unit	B1GA-11	B1GA-16	B1GA-19	B1GA-25	B1GA-32
Useful heat output at rated heat output and high-temperature regime	$P_4$	kW	10,2	14,8	17,6	23,1	29,4
Useful heat output at 30 % of rated heat output and low-temperature regime	$P_1$	kW	3,4	4,9	5,85	7,7	9,88

Seasonal space heating energy efficiency	Symbol	Unit	B1GA-11	B1GA-16	B1GA-19	B1GA-25	B1GA-32
Useful efficiency at rated heat output and high-temperature regime	$\eta_4$	%	88,2	87,9	87,8	87,9	88,2
Useful efficiency at 30 % of rated heat output and low-temperature regime	$\eta_1$	%	98	97	97,3	97,4	98

Auxiliary electricity consumpt	Symbol	Unit	B1GA-11	B1GA-16	B1GA-19	B1GA-25	B1GA-32
Auxiliary electricity consumption at full load	$e_{\text{max}}$	kW	0,017	0,017	0,015	0,015	0,018
Auxiliary electricity consumption at part load	$e_{\text{min}}$	kW	0,02	0,019	0,018	0,021	0,026
Auxiliary electricity consumption in standby mode	$P_{\text{SB}}$	kW	0,0039	0,0039	0,0039	0,0039	0,0039

Other details	Symbol	Unit	B1GA-11	B1GA-16	B1GA-19	B1GA-25	B1GA-32
Standby heat loss	$P_{\text{stby}}$	kW	0,0547	0,0547	0,0547	0,0547	0,0547
ignition burner power consumption	$P_{\text{ign}}$	kW	-	-	-	-	-
Emissions of nitrogen oxides	$\text{NO}_x$	mg/kWh	29	29	35	35	20



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

Criterion	Energy efficiency category, temperature controller	Contribution, central heating energy efficiency
<ul style="list-style-type: none"> <li>Room thermostat which switches the heat source on/off</li> </ul>	1	1 %
<ul style="list-style-type: none"> <li>Weather-compensated control</li> <li>Modulating heat source</li> </ul>	2	2 %
<ul style="list-style-type: none"> <li>Weather-compensated control</li> <li>Non-modulating heat source</li> </ul>	3	1,5 %
<ul style="list-style-type: none"> <li>Room thermostat with TPI (Time Proportional Integral) properties</li> <li>Non-modulating heat source</li> </ul>	4	2 %
<ul style="list-style-type: none"> <li>Modulating room thermostat</li> <li>Modulating heat source</li> </ul>	5	3 %
<ul style="list-style-type: none"> <li>Weather compensation, control unit</li> <li>Modulating heat source</li> <li>Room temperature sensor in conjunction with room hook-up</li> </ul>	6	4 %
<ul style="list-style-type: none"> <li>Weather compensation, control unit</li> <li>Non-modulating heat source</li> <li>Room temperature sensor in conjunction with room hook-up</li> </ul>	7	3,5 %
<ul style="list-style-type: none"> <li>Individual room control with min. 3 room temperature sensors</li> <li>Modulating heat source</li> </ul>	8	5 %