

**VITODENS 111-W**

B1LD-26, B1LD-35

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

Product data	Symbol	Unit	B1LD-26	B1LD-35
Average temperature application for central heating			yes	yes
Declared load profile			XL	XL
Typische Nutzung	$Q_{ref}$	kWh	19,07	19,07
Seasonal space heating energy efficiency			A	A
Water heating energy efficiency classes			A	A
Rated heat output	$P_{rated}$	kW	24	32
Annual energy consumption	$Q_{HE}$	kWh	12086	15957
Annual electricity consumption	AEC	kWh	56	62
Annual fuel consumption	AFC	kWh	5368	5208
Seasonal space heating energy efficiency	$\eta_s$	%	93	94
Water heating energy efficiency	$\eta_{wh}$	%	80	82
sound power level indoors	$L_{WA}$	dB	51	53
able to work only during off-peak hours			no	no

**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	B1LD-26	B1LD-35
Condensing boiler			yes	yes
Low-temperature boiler			yes	yes
B1 boiler			no	no
Cogeneration space heater			no	
Combination heater			yes	

Rated heat output / Seasonal space heating energy efficiency	Symbol	Unit	B1LD-26	B1LD-35
Useful heat output at rated heat output and high-temperature regime	$P_4$	kW	23,8	32,1
Useful heat output at 30 % of rated heat output and low-temperature regime	$P_1$	kW	7,1	9,6
Useful efficiency at rated heat output and high-temperature regime	$\eta_4$	%	88,1	88,3
Useful efficiency at 30 % of rated heat output and low-temperature regime	$\eta_1$	%	98,5	98,5

Auxiliary electricity consumption	Symbol	Unit	B1LD-26	B1LD-35
Auxiliary electricity consumption at full load	$e_{l_{max}}$	kW	0,022	0,025
Auxiliary electricity consumption at part load	$e_{l_{min}}$	kW	0,013	0,014
Auxiliary electricity consumption in standby mode	$P_{SB}$	kW	0,004	0,004

Other details	Symbol	Unit	B1LD-26	B1LD-35
Standby heat loss	$P_{sby}$	kW	0,059	0,058
ignition burner power consumption	$P_{ign}$	kW	-	-
Emissions of nitrogen oxides	$NO_x$	mg/kWh	49	38

Hot Water Preparation	Symbol	Unit	B1LD-26	B1LD-35
Daily electricity consumption	$Q_{elec}$	kWh	0,256	0,282
Daily fuel consumption	$Q_{fuel}$	kWh	24,4	23,7



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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 %