

## VITOTRON 100

VLN3-08, VLN3-24, VMN3-08, VMN3-24

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

Product data	Symbol	Unit	VLN3-08	VLN3-24	VMN3-08	VMN3-24
Seasonal space heating energy efficiency			D	D	D	D
Rated heat output	$P_{\text{rated}}$	kW	8	24	8	24
Seasonal space heating energy efficiency	$\eta_s$	%	33	33	33	33
Annual energy consumption	$Q_{\text{HE}}$	kWh	17778	53556	17778	53556
sound power level indoors	$L_{\text{WA}}$	dB	41	41	41	41

**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	VLN3-08	VLN3-24	VMN3-08	VMN3-24
Condensing boiler			-	-	-	-
Low-temperature boiler			-	-	-	-
B1 boiler			-	-	-	-
Cogeneration space heater					no	
Combination heater					no	

Rated heat output	Symbol	Unit	VLN3-08	VLN3-24	VMN3-08	VMN3-24
Useful heat output at rated heat output and high-temperature regime	$P_4$	kW	8	24,1	8	24,1
Useful heat output at 30 % of rated heat output and low-temperature regime	$P_1$	kW	-	-	-	-

Seasonal space heating energy efficiency	Symbol	Unit	VLN3-08	VLN3-24	VMN3-08	VMN3-24
Useful efficiency at rated heat output and high-temperature regime	$\eta_4$	%	39,5	39,4	39,5	39,4
Useful efficiency at 30 % of rated heat output and low-temperature regime	$\eta_1$	%	-	-	-	-

Auxiliary electricity consumpt	Symbol	Unit	VLN3-08	VLN3-24	VMN3-08	VMN3-24
Auxiliary electricity consumption at full load	$e_{\text{max}}$	kW	-	-	-	-
Auxiliary electricity consumption at part load	$e_{\text{min}}$	kW	-	-	-	-
Auxiliary electricity consumption in standby mode	$P_{\text{SB}}$	kW	0,005	0,005	0,005	0,005

Other details	Symbol	Unit	VLN3-08	VLN3-24	VMN3-08	VMN3-24
Standby heat loss	$P_{\text{stby}}$	kW	0,065	0,065	0,065	0,065
ignition burner power consumption	$P_{\text{ign}}$	kW	-	-	-	-
Emissions of nitrogen oxides	$\text{NO}_x$	mg/kWh	-	-	-	-



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 %