

VITORONDENS 200-T

J2RA

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

Product data	Symbol	Unit	J2RA	J2RA	J2RA
Seasonal space heating energy efficiency			A	A	A
Rated heat output	P_{rated}	kW	63	80	100
Seasonal space heating energy efficiency	η_s	%	91	92	91
Annual energy consumption	Q_{HE}	kWh	55385	69565	87912
sound power level indoors	L_{WA}	dB	70	72	80

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	J2RA	J2RA	J2RA
Condensing boiler			yes	yes	yes
Low-temperature boiler			no	no	no
B1 boiler			no	no	no
Cogeneration space heater			no		
Combination heater			no		

Rated heat output	Symbol	Unit	J2RA	J2RA	J2RA
Useful heat output at rated heat output and high-temperature regime	P_4	kW	63	80	100
Useful heat output at 30 % of rated heat output and low-temperature regime	P_1	kW	20,56	26,06	32,33

Seasonal space heating energy efficiency	Symbol	Unit	J2RA	J2RA	J2RA
Useful efficiency at rated heat output and high-temperature regime	η_4	%	92,3	91,7	91,3
Useful efficiency at 30 % of rated heat output and low-temperature regime	η_1	%	98,6	98,4	97,4

Auxiliary electricity consumpt	Symbol	Unit	J2RA	J2RA	J2RA
Auxiliary electricity consumption at full load	e_{max}	kW	0,552	0,562	0,577
Auxiliary electricity consumption at part load	e_{min}	kW	0,27	0,245	0,302
Auxiliary electricity consumption in standby mode	P_{SB}	kW	0,004	0,004	0,004

Other details	Symbol	Unit	J2RA	J2RA	J2RA
Standby heat loss	P_{stby}	kW	0,23	0,248	0,248
ignition burner power consumption	P_{ign}	kW	-	-	-
Emissions of nitrogen oxides	NO_x	mg/kWh	102	102	102



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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 %