

Manufacturer	Remeha Commercial
Model	R-GEN 20/44 NG
Energy Efficiency Class	A++
Rated Heat Output	44 kW
Seasonal Space Heating Energy Efficiency	130 %
Annual Energy Consumption	252 GJ
	70028 kWh
Sound Power Level (L_{WA})	67 dB(A)
Electrical Efficiency	32 %

Item	Symbol	Value	Unit
Condensing boiler		Yes	
Cogeneration space heater		Yes	
Supplementary heater		No	
Rated heat output	P_{rated}	44	kW
Useful heat output			
with supplementary heater disabled	$P_{CHP100+Sup0}$	44	kW
with supplementary heater enabled	$P_{CHP100+Sup100}$	44	kW
Electrical efficiency			
with supplementary heater disabled	$\eta_{el,CHP100+Sup0}$	32	%
with supplementary heater enabled	$\eta_{el,CHP100+Sup100}$	32	%
Seasonal space heating energy efficiency	η_s	130	%
Thermal efficiency			
with supplementary heater disabled	$\eta_{CHP100+Sup0}$	70	%
with supplementary heater enabled	$\eta_{CHP100+Sup100}$	70	%
Auxiliary electricity consumption			
at full load	e_{lmax}	0,39	kW
at part load	e_{lmin}	0,39	kW
in standby mode	P_{SB}	0,03	kW
Other items			
Standby heat loss	P_{stby}	0,161	kW
Ignition burner power consumption	P_{ign}	0	kW
Annual energy consumption	Q_{HE}	70028	kWh
	Q_{HE}	252	GJ
Sound power level (indoors)	L_{WA}	67	dB(A)
Sound pressure level	$L_{pA,1m}$	52	dB(A)

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