

## QUANTEC COMBI 30C ErP PRODUCT FICHE

EU Regulations No. 811/2013 and No. 812/2013 supplementing Directive 2010/30/EU.

QUANTEC MODEL	30C			
PRODUCT DATA	SYMBOL	VALUE	UNIT	
Condensing boiler	-	Yes	-	
Low temperature boiler	-	No	-	
B11 Boiler	-	No	-	
Co-generation space heater	-	No	-	
Combination Heater	-	Yes	-	
Rated heat output	$P_{rated}$	23	kW	
Seasonal space heating energy efficiency	$\eta_s$	94	%	
Energy efficiency class	-	A	-	
<b>USEFUL HEAT OUTPUT</b>				
At rated heat output and high temperature regime	$P_4$	23.4	kW	
At 30% of rated heat output and low temperature regime	$P_1$	7.8	kW	
<b>USEFUL EFFICIENCY</b>				
At rated heat output and high temperature regime	$\eta_4$	87.9	%	
At 30% of rated heat output and low temperature regime	$\eta_1$	99.1	%	
<b>AUXILIARY ELECTRICITY CONSUMPTION</b>				
At full load	$e_{max}$	0.068	kW	
At part load	$e_{min}$	0.048	kW	
In standby mode	$P_{SB}$	0.002	kW	
<b>OTHER ITEMS</b>				
Standby heat loss	$P_{SB}$	0.099	kW	
Ignition burner power consumption	$P_{ign}$	0	kW	
Sound power level indoors	$L_{WA}$	45	dB	
<b>ADDITIONAL DATA FOR COMBINATION HEATERS</b>				
Declared load profile		L	XL	
Daily electricity consumption	$Q_{elec}$	0.088	0.109	kWh
Annual electricity consumption	AEC	19	24	kWh
Daily fuel consumption	$Q_{fuel}$	14.002	22.59	kWh
Annual fuel consumption	AFC	11	17.89	Gj
Water heating energy efficiency	$\eta_{wk}$	88.2	86.5	%
Water heating energy efficiency class	-	A	A	-

1. High temperature regime means 60°C return temperature at heater inlet and 80°C feed temperature at heater output.
2. Low temperature means for condensing boiler 30°C, for low temperature boilers 37°C and for other heaters 50°C return temperature (at heater).

