

## QUANTEC COMBI HR28C PRODUCT FICHE

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

QUANTEC MODEL	HR28CP		
PRODUCT DATA	SYMBOL	VALUE	UNIT
Condensing boiler	-	Yes	-
Low temperature boiler	-	No	-
B11 Boiler	-	No	-
Cogeneration space heater	-	No	-
Combination Heater	-	Yes	-
Rated heat output	$P_{rated}$	21	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	$P_4$	21.4	kW
At 30% of rated heat output and low temperature regime	$P_1$	7.3	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	$\eta_1$	98.8	%
<b>AUXILIARY ELECTRICITY CONSUMPTION</b>			
At full load	$e_{l_{max}}$	0.068	kW
At part load	$e_{l_{min}}$	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	M		
Daily electricity consumption	$Q_{elec}$	0.069	kWh
Annual electricity consumption	AEC	15	kWh
Daily fuel consumption	$Q_{fuel}$	6.98	kWh
Annual fuel consumption	AFC	427	Gj
Water heating energy efficiency	$\eta_{wk}$	85	%
Water heating energy efficiency class	-	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).

