

# ErP Data - EU 813/2013

Supplier name: Italtherm Contact details: Italtherm Srl – Via Salvo D'Acquisto, 10 – 29010 Pontenure (PC) – Italy		Model(s):		City Open 25 K	City Open 35 K
<b>ErP Data - EU 813/2013</b>		Symbol	Unit	Value	Value
Condensing boiler			Yes/No	YES	YES
Combination heater			Yes/No	YES	YES
B1 boiler			Yes/No	NO	NO
Cogeneration space heater:			Yes/No	NO	NO
Low-temperature (***) boiler			Yes/No	NO	NO
ErP space heating	Rated heat output	$P_{rated}$	kW	19	27
	Useful heat output at rated heat output and high-temperature regime (*)	$P_4$	kW	19.4	27.4
	Useful heat output at 30% at rated heat output and low-temperature regime (***)	$P_1$	kW	6.4	9.1
	Seasonal space heating energy efficiency (GCV)	$\eta_s$	%	91	91
	Useful efficiency at rated heat output and high-temperature regime (*) (GCV)	$\eta_4$	%	86.5	86.6
	Useful efficiency at 30% of rated heat output and low-temperature regime (***) (GCV)	$\eta_1$	%	95.8	96.1
ErP DHW	Declared load profile			XL	XXL
	Water heating energy efficiency (GCV)	$\eta_{wh}$	%	83	85
	Daily electricity consumption	$Q_{elec}$	kWh	0.161	0.160
	Daily fuel consumption	$Q_{fuel}$	kWh	23.5	28.4
Auxiliary electricity consumption	At full load	$e_{lmax}$	kW	0.027	0.035
	At part load	$e_{lmin}$	kW	0.012	0.012
	In standby mode	$P_{sb}$	kW	0.005	0.005
Other items	Standby heat loss	$P_{stby}$	kW	0.053	0.075
	Ignition burner power consumption	$P_{ign}$	kW	0.000	0.000
	Sound power level, indoors	$L_{WA}$	dB	54	55
	Emissions of nitrogen oxides	$NO_x$	mg/kWh	32.0	40
(*) High-temperature regime means: 60 °C return temperature at heater inlet and 80 °C feed temperature at heater outlet.					
(**) Low temperature means: for condensing boilers 30 °C, for low-temperature boilers 37 °C and for other heaters 50 °C return temperature (at heater inlet).					
GCV = Gross Calorific Value (=Hs)					

# Product fiche - EU 811/2013

Supplier name: Italtherm Contact details: Italtherm Srl – Via Salvo D'Acquisto, 10 – 29010 Pontenure (PC) – Italy		Model(s):		City Open 25 K	City Open 35 K
<b>Product fiche - EU 811/2013</b>		Symbol	Unit	Value	Value
Declared load profile DHW				<b>XL</b>	<b>XXL</b>
Seasonal energy efficiency for space heating				<b>A</b>	<b>A</b>
Energy efficiency for water heating				<b>A</b>	<b>B</b>
Rated heat output		$P_{rated}$	kW	19	27
Annual energy consumption		$Q_{HE}$	GJ	34	49
Annual electricity consumption		AEC	kWh	35	35
Annual fuel consumption		AFC	GJ	18	22
Seasonal space heating energy efficiency (GCV)		$\eta_s$	%	91	91
Water heating energy efficiency (GCV)		$\eta_{wh}$	%	83	85
Sound power level, indoors		$L_{WA}$	dB	54	55
GCV = Gross Calorific Value (=Hs)					