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Issued	04-07-2018	Scope	Directive 92/42/EEC Regulation (EU) No. 813/2013
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## EC TYPE EXAMINATION CERTIFICATE

**Kiwa Cermet Italia, notified body for council Directive 92/42/EEC, hereby declares that according to article 4 of commission regulation (EU) No. 813/2013 the products**

Central heating boilers

Trade mark: **ELCO**  
Models: THISION MINI CPRA 24.3

Placed on the market by **Elco Italia S.p.A.**  
Viale A. Merloni, 45  
60044 Fabriano (AN) Italy

Have achieved the following (see Annex 1) full and part load efficiencies.  
The assessment test have been performed using the following standards as guidelines:

EN 15502-1:2012, EN 15502-1:2012 + A1:2015, EN 15502-2-2:2014

*The validity of this certificate can be verified on request at the following e-mail address: info@kiwa.it  
This certificate will expire if there have been any changes to the product that may have an impact on compliance with the requirements of the Directive, as well as on updates and /or changes to the Technical Standards applicable unless specifically approved by Kiwa Cermet Italia*

**Kiwa Cermet Italia S.p.A.**  
Società con socio unico, soggetta all'attività di direzione e coordinamento di Kiwa Italia Holding Srl

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**GASTEC**

Chief Operating Officer  
Giampiero Belcredi



Organismo Notificato n. 0476

SGQ N° 007A  
SGA N° 010D  
PRD N° 069B  
FSM N° 004I  
PRS N° 089C



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## **EC TYPE EXAMINATION CERTIFICATE**

### **ANNEX 1**

#### **Models:**

	THISION MINI CPRA
	24.3
$\eta_{100}$	89,5 %
$\eta_{30}$	90,9 %
$\eta_4$	80,6 %
$\eta_1$	81,9 %
$P_4$	23,3 kW
$P_1$	7,1 kW
C.Heater?	Yes
B <sub>1</sub> Boiler?	Yes
Type of boiler:	"Low Temperature"

#### **Note:**

$\eta_{100}$  = At rated heat output and high-temperature regime - NCV (\*)

$\eta_{30}$  = At 30 % of rated heat output and low-temperature regime - NCV (\*\*)

$\eta_4$  = At rated heat output and high-temperature regime - GCV (\*)

$\eta_1$  = At 30 % of rated heat output and low-temperature regime - GCV (\*\*)

$P_4$  = At rated heat output and high-temperature regime (\*)

$P_1$  = At 30 % of rated heat output and low-temperature regime (\*\*)

C.Heater = Combination heater (Yes = with domestic hot water production / No = Heating system only)

B<sub>1</sub> Boiler = B<sub>1</sub> according CEN/TR 1749:2014

Type of boiler = "Condensing Boiler" or "Low Temperature Boiler" or "Other Boiler"

Efficiency's values have been measured with gas G20.

(n.t.= not tested)

(\*) 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).

# CERTIFICATE

**Kiwa Cermet Italia S.p.A.**

Società con socio unico, soggetta all'attività di direzione e coordinamento di Kiwa Italia

Holding Srl

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