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| Number | KIP-15082/E | Replaces | --- |
| Issued | 20-06-2016 | Scope | Directive 92/42/EEC Regulation (EU) No. 813/2013 |
| Report | 2001272 | Page | 1 of 2 |
| PIN | 0476CR1272 | | |

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 condensing boilers

Trade mark: **COSMOGAS**

Models: MYDENS 60T, MYDENS 70T, MYDENS 100T, MYDENS 100Tv, MYDENS 115T, MYDENS 115Tv, MYDENS 140T, MYDENS 140Tv, MYDENS 180T, MYDENS 180Tv, MYDENS 180Ts, MYDENS 180Tsv, MYDENS 210T, MYDENS 210Tv, MYDENS 210Ts, MYDENS 210Tsv, MYDENS 280T, MYDENS 280Tv, MYDENS 280Ts, MYDENS 280Tsv

Manufactured by **COSMOGAS S.r.l.**
Meldola (FC), 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 483:1999
- EN 483/A2:2001
- EN 483/A4:2007
- EN 483/AC:2006
- EN 677:1998

The validity of this certificate can be verified by means of a register available on the website www.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

Via Cadriano, 23
40057 Granarolo dell'Emilia (BO)

Unità locale
Via Treviso 32/34
31020 San Vendemiano (TV)

Tel +39. 0438 411755

Fax +39.0438 22428

E-mail: info@kiwacermet.it

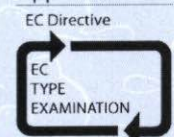
www.kiwa.it
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GASTEC

Chief Operating Officer
Giampiero Belcredi



kiwa
Approved



92/42/EEC

G A S T E C



Organismo Notificato n. 0476



SGQ N° 007A SSI N° 006G
SGA N° 010D FSM N° 004I
PRD N° 069B



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ANNEX 1

Models:

| | MYDENS 60T | MYDENS 70T | MYDENS 100T MYDENS 100Tv | MYDENS 115T MYDENS 115Tv |
|------------------------|--------------|--------------|-----------------------------|-----------------------------|
| η_{100} | 96,8 % | 96,9 % | 96,8 % | 96,8 % |
| η_{30} | 106,3 % | 106,4 % | 106,3 % | 106,3 % |
| η_4 | 87,2 % | 87,3 % | 87,2 % | 87,2 % |
| η_1 | 95,7 % | 95,8 % | 95,7 % | 95,7 % |
| P_4 | 55,8 kW | 67,9 kW | 55,8 kW | 55,8 kW |
| P_1 | n.t. | n.t. | n.t. | n.t. |
| C.Heater? | Yes | Yes | Yes | Yes |
| B ₁ Boiler? | No | No | No | No |
| Type of boiler: | "Condensing" | "Condensing" | "Condensing" | "Condensing" |

| | MYDENS 140T MYDENS 140Tv | MYDENS 180T MYDENS 180Tv MYDENS 180Ts MYDENS 180Tsv | MYDENS 210T MYDENS 210Tv MYDENS 210Ts MYDENS 210Tsv | MYDENS 280T MYDENS 280Tv |
|------------------------|-----------------------------|--|--|-----------------------------|
| η_{100} | 96,9 % | 96,9 % | 96,9 % | 96,9 % |
| η_{30} | 106,4 % | 106,4 % | 106,4 % | 106,4 % |
| η_4 | 87,3 % | 87,3 % | 87,3 % | 87,3 % |
| η_1 | 95,8 % | 95,8 % | 95,8 % | 95,8 % |
| P_4 | 67,9 kW | 67,9 kW | 67,9 kW | 67,9 kW |
| P_1 | n.t. | n.t. | n.t. | n.t. |
| C.Heater? | Yes | Yes | Yes | Yes |
| B ₁ Boiler? | No | No | No | No |
| Type of boiler: | "Condensing" | "Condensing" | "Condensing" | "Condensing" |

Note:

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

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

η_4 = At rated heat output and high-temperature regime - GCV (*)

η_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)

B₁ Boiler = B₁ 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.

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