

# CERTIFICATE

Number	KIP-16252/E (Rev.1)	Replaces	KIP-16252/E
Issued	09-05-2019	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**

Gas-fired central heating condensing boiler

Trade mark: **COSMOGAS**

Models: Series NOVADENS..., INKADENS..., CIELODENS..., CMB..., DUAL..., TOPDENS..., SDS..., SKS..., HDS..., HKS, SRF..., SKF... as specified in the **Annex 1**

Placed on the market by **COSMOGAS S.r.l.**  
Via Leonardo da Vinci, 16  
47014 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 15502-1:2012+A1:2015  
EN 15502-2-1:2012+A1:2016

*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*

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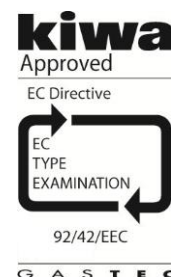
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**G A S T E C**

**Chief Operating Officer**  
*Giampiero Belcredi*



Organismo Notificato n. 0476



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### ANNEX 1

#### Models:

	NOVADENS 24B, NOVADENS 24C, INKADENS 24B, INKADENS 24C, CIELODENS 24B, CIELODENS 24 C	NOVADENS 24P, NOVADENS 24K, INKADENS 24P, INKADENS 24K, CIELODENS 24P, CIELODENS 24K, TOPDENS 24, TOPDENS 24T, SDS 24, SKS 24, HDS 24, HKS 24, SRF 24, SKF 24 SDS 15, SKS 15, HDS 15, HKS 15, SRF 15, SKF 15
$\eta_{100}$	96,5 %	96,5 %
$\eta_{30}$	107,8 %	107,8 %
$\eta_4$	86,9 %	86,9 %
$\eta_1$	97,0 %	97,0 %
$P_4$	24,7 kW	24,7 kW
$P_1$	8,3 kW	8,3 kW
C.Heater?	No <sup>(1)</sup>	Yes
B <sub>1</sub> Boiler?	No	No
Type of boiler:	Condensing	Condensing

<sup>(1)</sup> The boiler can be connected to an external tank for the domestic hot water production

#### 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)

Continues in the next pages

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**GASTEC**

(\*) 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).



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## EC TYPE EXAMINATION CERTIFICATE

### ANNEX 1

#### Models:

	NOVADENS 34B, NOVADENS 34C, INKADENS 34B, INKADENS 34C, , CIELODENS 34B, CIELODENS 34 C	NOVADENS 34P, NOVADENS 34K, INKADENS 34P, , INKADENS 34K, CIELODENS 34P, CIELODENS 34K, TOPDENS 34, TOPDENS 34T, SDS 34, SKS 34, HDS 34, HKS 34, SRF 34, SKF 34
$\eta_{100}$	98,0 %	98,0 %
$\eta_{30}$	108,2 %	108,2 %
$\eta_4$	88,2 %	88,2 %
$\eta_1$	97,4 %	97,4 %
$P_4$	34,0 kW	34,0 kW
$P_1$	n.t	n.t
C.Heater?	No <sup>(1)</sup>	Yes
B <sub>1</sub> Boiler?	No	No
Type of boiler:	Condensing	Condensing

<sup>(1)</sup> The boiler can be connected to an external tank for the domestic hot water production

#### 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)

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**GASTEC**

(\*) 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).



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## **EC TYPE EXAMINATION CERTIFICATE**

### **ANNEX 1**

#### **Models:**

	NOVADENS 45A, NOVADENS 45C, CIELODENS 45A, CIELODENS 45 C
$\eta_{100}$	96,6 %
$\eta_{30}$	108,0 %
$\eta_4$	86,9 %
$\eta_1$	97,2 %
$P_4$	43,9 kW
$P_1$	n.t.
C.Heater?	No <sup>(1)</sup>
B <sub>1</sub> Boiler?	No
Type of boiler:	Condensing

<sup>(1)</sup> The boiler can be connected to an external tank for the domestic hot water production

#### **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)

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(\*) High-temperature regime means 60 °C return temperature at heater inlet and 80 °C feed temperature at heater outlet.

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## EC TYPE EXAMINATION CERTIFICATE

### ANNEX 1

#### Models:

	CMB 8-90	CMB 8-116	CMB 8-135	CMB 8-180	CMB 8-225
$\eta_{100}$	96,6 %	96,6 %	96,6 %	96,6 %	96,6 %
$\eta_{30}$	105,9 %	107,6%	107,1 %	107,5 %	107,8 %
$\eta_4$	87,0 %	87,0 %	87,0 %	87,0 %	87,0 %
$\eta_1$	95,4 %	96,9 %	96,4 %	96,8 %	97,1 %
$P_4$	87,8 kW	113,1 kW	131,6 kW	175,5 kW	219,4 kW
$P_1$	n.t.	n.t.	n.t.	n.t.	n.t.
C.Heater?	No <sup>(1)</sup>	No <sup>(1)</sup>	No <sup>(1)</sup>	No <sup>(1)</sup>	No <sup>(1)</sup>
B <sub>1</sub> Boiler?	No	No	No	No	No
Type of boiler:	Condensing	Condensing	Condensing	Condensing	Condensing

	CMB 8-270	CMB 8-315	CMB 8-350	CMB 8-360
$\eta_{100}$	96,6 %	96,6 %	96,6 %	96,6 %
$\eta_{30}$	107,9 %	108,0 %	107,7 %	107,6 %
$\eta_4$	87,0 %	87,0 %	87,0 %	87,0 %
$\eta_1$	97,2 %	97,3 %	97,0 %	96,9 %
$P_4$	263,3 kW	307,1 kW	341,3 kW	351,0 kW
$P_1$	n.t.	n.t.	n.t.	n.t.
C.Heater?	No <sup>(1)</sup>	No <sup>(1)</sup>	No <sup>(1)</sup>	No <sup>(1)</sup>
B <sub>1</sub> Boiler?	No	No	No	No
Type of boiler:	Condensing	Condensing	Condensing	Condensing

<sup>(1)</sup> The boiler can be connected to an external tank for the domestic hot water production

#### 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)

Continues in the next pages

(\*) High-temperature regime means 60 °C return temperature at heater inlet and 80 °C feed temperature at heater outlet.

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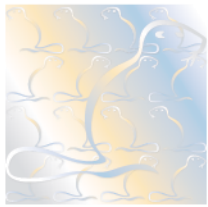
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## EC TYPE EXAMINATION CERTIFICATE

### ANNEX 1

#### Models:

	DUAL 4-50, DUAL 4-50T	DUAL 6-70, DUAL 6-70T	DUAL 8-90, DUAL 8-90T
$\eta_{100}$	96,5 %	98,0 %	96,6 %
$\eta_{30}$	107,8 %	108,2 %	105,9 %
$\eta_4$	86,9 %	88,2 %	87,0 %
$\eta_1$	97,1 %	97,4 %	95,4 %
$P_4$	49,5 kW	68,1 kW	87,8 kW
$P_1$	16,6 kW	n.t	n.t.
C.Heater?	No <sup>(1)</sup>	No <sup>(1)</sup>	No <sup>(1)</sup>
B <sub>1</sub> Boiler?	No	No	No
Type of boiler:	Condensing	Condensing	Condensing

<sup>(1)</sup> The boiler can be connected to an external tank for the domestic hot water production

#### 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)

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