



<b>Number</b>	KIP-16706/E	<b>Replaces</b>	KIP-15900E
<b>Issue date</b>	18-12-2020	<b>Contract number</b>	3600
<b>Report number</b>	141201097/6	<b>Scope</b>	Art.4 of No.813/2013 (2-8-2013) and 92/42/EEC (21-05-1992)
<b>PIN</b>	0476CQ1097	<b>Module</b>	B (Type testing)

## EC TYPE-EXAMINATION CERTIFICATE (BED/R813)

Kiwa Cermet Italia, notified body for council Directive 92/42/EC, hereby declares that the Central heating condensing boiler, type(s):

**MYDENS 15P, MYDENS 15C, MYDENS 15B, MYDENS 24P, MYDENS 24C,  
MYDENS 24B, MYDENS 34P, MYDENS 34C, MYDENS 34B, MYDENS 50A,  
MYDENS 50C, MYDENS 60A, MYDENS 60C, HYB MY 24P F6 C,  
HYB MY 15P \*\*\*, HYB MY 24P \*\*\*, HYB MY 34P \*\*\*,  
HYB MY 15B \*\*\*, HYB MY 24B \*\*\*, HYB MY 34B \*\*\*,  
HYB MY 15C \*\*\*, HYB MY 24C \*\*\*, HYB MY 34C \*\*\***

Manufacturer

**COSMOGAS S.r.l.**  
**Via L. Da Vinci, 16**  
**47014, Meldola (FC), Italy**

meet the requirements regarding useful efficiencies according to **article 4 of commission regulation (EU) No. 813/2013** and as described in the **Directive 92/42/EEC on efficiency requirements**.

Reference standard:

EN 15502-1:2012+A1:2015  
EN 15502-2-1:2012+A1:2016

This certificate is only valid in combination with the appendix to this certificate, where specific information and/or conditions are given.

# CERTIFICATE

**Kiwa Cermet Italia S.p.A.**  
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direzione e coordinamento di Kiwa Italia  
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**GASTEC**

**Chief Operating Officer**  
*Giampiero Belcredi*



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## APPENDIX TO EU TYPE-EXAMINATION CERTIFICATE (BED/R813)

Brand name:  
COSMOGAS

Specifications:  
**Model(s):**  
MYDENS 15P,  
HYB MY 15P \*\*\*

Condensing boiler:	yes
Range rated:	yes
Low-temperature boiler:	no
B1 boiler:	no
Combination heater:	yes

	Symbol	Value	Unit
Useful heat output			
At rated heat output and high-temperature regime (*)	P <sub>4</sub>	13,6	kW
At 30 % of rated heat output and low-temperature regime (**)	P <sub>1</sub>	n.t.	kW
Useful efficiencies			
At rated heat output and high-temperature regime (*)	η <sub>4</sub>	86,9	%
At 30 % of rated heat output and low-temperature regime (**)	η <sub>1</sub>	96,8	%
Useful efficiencies - NCV			
At rated heat output and high-temperature regime (*)	η <sub>100</sub>	96,5	%
At 30 % of rated heat output and low-temperature regime (**)	η <sub>30</sub>	107,5	%

(\*) 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).

Calculated values are based on gross calorific value (reference conditions: 15 °C, 1013,25 mbar)

\*\*\* See model breakdown in report n°141201097/6 for detailed description of the models

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## APPENDIX TO EU TYPE-EXAMINATION CERTIFICATE (BED/R813)

Brand name:  
COSMOGAS

Specifications:

**Model(s):**

MYDENS 15B  
MYDENS 15C  
HYB MY 15B \*\*\*  
HYB MY 15C \*\*\*

Condensing boiler:	yes
Range rated:	yes
Low-temperature boiler:	no
B1 boiler:	no
Combination heater:	no <sup>(1)</sup>

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

	Symbol	Value	Unit
Useful heat output			
At rated heat output and high-temperature regime (*)	P <sub>4</sub>	13,6	kW
At 30 % of rated heat output and low-temperature regime (**)	P <sub>1</sub>	n.t.	kW
Useful efficiencies			
At rated heat output and high-temperature regime (*)	η <sub>4</sub>	86,9	%
At 30 % of rated heat output and low-temperature regime (**)	η <sub>1</sub>	96,8	%
Useful efficiencies - NCV			
At rated heat output and high-temperature regime (*)	η <sub>100</sub>	96,5	%
At 30 % of rated heat output and low-temperature regime (**)	η <sub>30</sub>	107,5	%

(\*) 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).

Calculated values are based on gross calorific value (reference conditions:15 °C, 1013,25 mbar)

\*\*\* See model breakdown in report n°141201097/6 for detailed description of the models

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## APPENDIX TO EU TYPE-EXAMINATION CERTIFICATE (BED/R813)

Brand name:  
COSMOGAS

Specifications:

**Model(s):**  
MYDENS 24P  
HYB MY 24P \*\*\*

Condensing boiler:	yes
Range rated:	yes
Low-temperature boiler:	no
B1 boiler:	no
Combination heater:	yes

	Symbol	Value	Unit
Useful heat output			
At rated heat output and high-temperature regime (*)	P <sub>4</sub>	24,8	kW
At 30 % of rated heat output and low-temperature regime (**)	P <sub>1</sub>	n.t.	kW
Useful efficiencies			
At rated heat output and high-temperature regime (*)	η <sub>4</sub>	87,6	%
At 30 % of rated heat output and low-temperature regime (**)	η <sub>1</sub>	97,7	%
Useful efficiencies - NCV			
At rated heat output and high-temperature regime (*)	η <sub>100</sub>	97,3	%
At 30 % of rated heat output and low-temperature regime (**)	η <sub>30</sub>	108,5	%

(\*) 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).

Calculated values are based on gross calorific value (reference conditions:15 °C, 1013,25 mbar)

\*\*\* See model breakdown in report n°141201097/6 for detailed description of the models

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## APPENDIX TO EU TYPE-EXAMINATION CERTIFICATE (BED/R813)

Brand name:  
COSMOGAS

Specifications:

**Model(s):**

MYDENS 24B

MYDENS 24C

HYB MY 24B \*\*\*

HYB MY 24C \*\*\*

Condensing boiler:	yes
Range rated:	yes
Low-temperature boiler:	no
B1 boiler:	no
Combination heater:	no <sup>(1)</sup>

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

	Symbol	Value	Unit
Useful heat output			
At rated heat output and high-temperature regime (*)	P <sub>4</sub>	24,8	kW
At 30 % of rated heat output and low-temperature regime (**)	P <sub>1</sub>	n.t.	kW
Useful efficiencies			
At rated heat output and high-temperature regime (*)	η <sub>4</sub>	87,6	%
At 30 % of rated heat output and low-temperature regime (**)	η <sub>1</sub>	97,7	%
Useful efficiencies - NCV			
At rated heat output and high-temperature regime (*)	η <sub>100</sub>	97,3	%
At 30 % of rated heat output and low-temperature regime (**)	η <sub>30</sub>	108,5	%

(\*) 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).

Calculated values are based on gross calorific value (reference conditions:15 °C, 1013,25 mbar)

\*\*\* See model breakdown in report n°141201097/6 for detailed description of the models

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## APPENDIX TO EU TYPE-EXAMINATION CERTIFICATE (BED/R813)

Brand name:  
COSMOGAS

Specifications:

**Model(s):**  
MYDENS 34P  
HYB MY 34P \*\*\*

Condensing boiler:	yes
Range rated:	yes
Low-temperature boiler:	no
B1 boiler:	no
Combination heater:	yes

	Symbol	Value	Unit
Useful heat output			
At rated heat output and high-temperature regime (*)	P <sub>4</sub>	30,9	kW
At 30 % of rated heat output and low-temperature regime (**)	P <sub>1</sub>	n.t.	kW
Useful efficiencies			
At rated heat output and high-temperature regime (*)	η <sub>4</sub>	87,2	%
At 30 % of rated heat output and low-temperature regime (**)	η <sub>1</sub>	96,3	%
Useful efficiencies - NCV			
At rated heat output and high-temperature regime (*)	η <sub>100</sub>	96,8	%
At 30 % of rated heat output and low-temperature regime (**)	η <sub>30</sub>	107,0	%

(\*) 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).

Calculated values are based on gross calorific value (reference conditions: 15 °C, 1013,25 mbar)

\*\*\* See model breakdown in report n°141201097/6 for detailed description of the models

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## APPENDIX TO EU TYPE-EXAMINATION CERTIFICATE (BED/R813)

Brand name:  
COSMOGAS

Specifications:

**Model(s):**

MYDENS 34B

MYDENS 34C

HYB MY 34B \*\*\*

HYB MY 34C \*\*\*

Condensing boiler:	yes
Range rated:	yes
Low-temperature boiler:	no
B1 boiler:	no
Combination heater:	no <sup>(1)</sup>

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

	Symbol	Value	Unit
Useful heat output			
At rated heat output and high-temperature regime (*)	P <sub>4</sub>	30,9	kW
At 30 % of rated heat output and low-temperature regime (**)	P <sub>1</sub>	n.t.	kW
Useful efficiencies			
At rated heat output and high-temperature regime (*)	η <sub>4</sub>	87,2	%
At 30 % of rated heat output and low-temperature regime (**)	η <sub>1</sub>	96,3	%
Useful efficiencies - NCV			
At rated heat output and high-temperature regime (*)	η <sub>100</sub>	96,8	%
At 30 % of rated heat output and low-temperature regime (**)	η <sub>30</sub>	107,0	%

(\*) 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).

Calculated values are based on gross calorific value (reference conditions:15 °C, 1013,25 mbar)

\*\*\* See model breakdown in report n°141201097/6 for detailed description of the models

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## APPENDIX TO EU TYPE-EXAMINATION CERTIFICATE (BED/R813)

Brand name:  
COSMOGAS

Specifications:

**Model(s):**  
MYDENS 50A  
MYDENS 50C

Condensing boiler:	yes
Range rated:	yes
Low-temperature boiler:	no
B1 boiler:	no
Combination heater:	no <sup>(1)</sup>

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

	Symbol	Value	Unit
Useful heat output			
At rated heat output and high-temperature regime (*)	P <sub>4</sub>	48,5	kW
At 30 % of rated heat output and low-temperature regime (**)	P <sub>1</sub>	16,2	kW
Useful efficiencies			
At rated heat output and high-temperature regime (*)	η <sub>4</sub>	87,8	%
At 30 % of rated heat output and low-temperature regime (**)	η <sub>1</sub>	96,5	%
Useful efficiencies - NCV			
At rated heat output and high-temperature regime (*)	η <sub>100</sub>	97,5	%
At 30 % of rated heat output and low-temperature regime (**)	η <sub>30</sub>	107,2	%

(\*) 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).

Calculated values are based on gross calorific value (reference conditions: 15 °C, 1013,25 mbar)

\*\*\* See model breakdown in report n°141201097/6 for detailed description of the models



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## APPENDIX TO EU TYPE-EXAMINATION CERTIFICATE (BED/R813)

Brand name:  
COSMOGAS

Specifications:

**Model(s):**  
MYDENS 60A  
MYDENS 60C

Condensing boiler:	yes
Range rated:	yes
Low-temperature boiler:	no
B1 boiler:	no
Combination heater:	no <sup>(1)</sup>

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

	Symbol	Value	Unit
Useful heat output			
At rated heat output and high-temperature regime (*)	P <sub>4</sub>	56,1	kW
At 30 % of rated heat output and low-temperature regime (**)	P <sub>1</sub>	n.t.	kW
Useful efficiencies			
At rated heat output and high-temperature regime (*)	η <sub>4</sub>	87,5	%
At 30 % of rated heat output and low-temperature regime (**)	η <sub>1</sub>	96,4	%
Useful efficiencies - NCV			
At rated heat output and high-temperature regime (*)	η <sub>100</sub>	97,2	%
At 30 % of rated heat output and low-temperature regime (**)	η <sub>30</sub>	107,0	%

(\*) 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).

Calculated values are based on gross calorific value (reference conditions:15 °C, 1013,25 mbar)

\*\*\* See model breakdown in report n°141201097/6 for detailed description of the models

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