



<b>Number</b>	KIP-16533/E	<b>Replaces</b>	KIP-16334/E
<b>Issue date</b>	02-03-2020	<b>Contract number</b>	I4500
<b>Report number</b>	2003146/1	<b>Scope</b>	Art.4 of No.813/2013 (2-8-2013) and 92/42/EEC (21-05-1992)
<b>PIN</b>	0476CU3146	<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):

**CONDENSA 60 N, CONDENSA 60 M, CONDENSA 75 N, CONDENSA 75 M,  
MDC 60, MDC 75, CONDENSA 100 N, CONDENSA 100 M, MDC 100**

Manufacturer

**WENKEL S.R.L.**

**Via Principale, 41**

**31030 Casier (TV) - 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  
Holding Srl

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**GASTEC**

**Chief Operating Officer**

*Giampiero Belcredi*



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<b>PIN</b>	0476CU3146		

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

Brand name:

**SILE**

Specifications:

Models:

CONDENSA 60 N,  
MDC 60

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

	Symbol	Value	Unit
Useful heat output			
At rated heat output and high-temperature regime (*)	P <sub>4</sub>	55,1	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>	86,4	%
At 30 % of rated heat output and low-temperature regime (**)	η <sub>1</sub>	97,5	%

(\*) 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)

The validity of this certificate can be verified on request at the following e-mail address: [info@kiwacermet.it](mailto:info@kiwacermet.it)

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

Brand name:

**SILE**

Specifications:

Model:

CONDENSA 60 M

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>	55,1	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>	86,4	%
At 30 % of rated heat output and low-temperature regime (**)	η <sub>1</sub>	97,5	%

(\*) 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).

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

Brand name:

**SILE**

Specifications:

Models:

CONDENSA 75 N,  
MDC 75

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

	Symbol	Value	Unit
Useful heat output			
At rated heat output and high-temperature regime (*)	P <sub>4</sub>	67,7	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>	86,4	%
At 30 % of rated heat output and low-temperature regime (**)	η <sub>1</sub>	97,5	%

(\*) 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)

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Brand name:

**SILE**

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

Specifications:

Model:  
CONDENSA 75 M

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>	67,7	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>	86,4	%
At 30 % of rated heat output and low-temperature regime (**)	η <sub>1</sub>	97,5	%

- (\*) 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).

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Brand name:  
**SILE**

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

Specifications:

Models:  
CONDENSA 100 N,  
MDC 100

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

	Symbol	Value	Unit
Useful heat output			
At rated heat output and high-temperature regime (*)	P <sub>4</sub>	87,3	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>	86,7	%
At 30 % of rated heat output and low-temperature regime (**)	η <sub>1</sub>	97,2	%

(\*) 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)

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

Brand name:

**SILE**

Specifications:

Model:

CONDENSA 100 M

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>	87,3	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>	86,7	%
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