

Number	95379/01	Replaces	--
Issued	13-04-2017	Scope	No. 813/2013 (2-8-2013) and/or 92/42/EEC (21-05-1992)
Report number	150900970/1		
PIN	0063CQ3970	Contract number	E 6600

## EC TYPE EXAMINATION CERTIFICATE (BED/R813)

Kiwa, notified body for council Directive 92/42/EC, hereby declares that the  
**Central Heating Boilers**, types:

**Rendamax**

**R601 EVO, R602 EVO, R603 EVO, R604 EVO,  
R605 EVO, R606 EVO, R607 EVO;**

manufactured by **Elco BV**  
**Kerkrade,**  
**The Netherlands**

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

This is based upon the measured values as given in the table in the appendices

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[www.1kiwa.com](http://www.1kiwa.com)

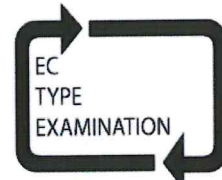
**GASTEC**



Luc Leroy  
Kiwa

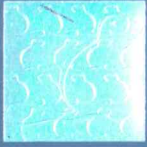
**kiwa**  
Approved

EC Directive



**GASTEC**

**CE**  
**0063**



Number	95376/01	Replaces	--
Issued	13-04-2017	Scope	2009/142/EC (30-11-2009)
Report number	150900970/1	Contract number	E 6600
PIN	0063CQ3970		

## EC TYPE EXAMINATION CERTIFICATE (GAD)

Kiwa hereby declares that the Condensing Boilers and Water Heaters\*, types

**Rendamax R601 EVO, R602 EVO, R603 EVO, R604 EVO,  
R605 EVO, R606 EVO, R607 EVO;**

**Rendamax R601 EVO IP, R602 EVO IP, R603 EVO IP,  
R604 EVO IP, R605 EVO IP, R606 EVO IP, R607 EVO IP;**

manufactured by **Elco BV**

**Kerkrade, The Netherlands**

meet the essential requirements as described in the

**Directive 2009/142/EC relating to appliances burning gaseous fuels.**

*\*) models indicated with IP are Water Heaters*

Appliance types : B23(P), C13, C33, C43, C53, C63, C83

Appliance categories : I<sub>2H</sub>, I<sub>2L</sub>, I<sub>2E</sub>, I<sub>2E(R)</sub>, I<sub>2Esi</sub>, I<sub>2EK</sub>, I<sub>2ELL</sub>, I<sub>3P</sub>, I<sub>3B/P</sub>

Countries:

Albania	Denmark	Liechtenstein	Romania
Armenia	Estonia	Lithuania	Russian Federation
Australia	Finland	Luxembourg	Serbia
Austria	France	Macedonia	Slovakia
Azerbaijan	Georgia	Malta	Slovenia
Belarus	Germany	Moldavia	Spain
Belgium	Greece	Montenegro	Sweden
Bosnia-Herzegovina	Hungary	Netherlands, the	Switzerland
Bulgaria	Iceland	New Zealand	Turkey
China	Ireland	Norway	Ukraine
Croatia	Italy	Poland	United Kingdom
Cyprus	Latvia	Portugal	Uzbekistan
Czech Republic			

Certificate

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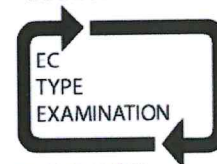
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EC Directive



2009/142/EC

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**0063**

Annex to Certificate: 95376/01

Appendix no:1

Dated: March 2017

Examination report(s):

150900970/1

dated April 2017

**Elco BV**

This appendix supersedes appendix no. (n.a.)

Scope

Directive 92/42/EEC

Article 4 of commission regulation (EU) No. 813/2013

Specifications

Model(s): **Rendamax R601 EVO**

Condensing boiler: yes  
 Low-temperature (\*\*) boiler: no  
 B1 boiler: no  
 Combination heater: no

	Symb.	Value	Unit
Useful heat output			
At rated heat output and high-temperature regime (*)	P <sub>4</sub>	142.3	kW
At 30 % of rated heat output and low-temperature regime (**)	P <sub>1</sub>	47.5	kW
Useful efficiencies			
At rated heat output and high-temperature regime (*)	η <sub>4</sub>	88.4	% (gcv)
At 30 % of rated heat output and low-temperature regime (**)	η <sub>1</sub>	98.3	% (gcv)
Auxiliary electricity consumption			
At full load	elmax	-	kW
At part load	elmin	-	kW
In standby mode	P <sub>SB</sub>	-	kW
Other items			
Standby heat loss	P <sub>stby</sub>	0.286	kW
Emissions of Nitrogen Oxides (nominal)	NOx	25	mg/kWh
Sound Power level	L <sub>wa</sub>	-	dB(A)

(\*) 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, G20)



Annex to Certificate: 95376/01

Appendix no:1

Dated: March 2017

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150900970/1

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This appendix supersedes appendix no. (n.a.)

Scope

Directive 92/42/EEC

Article 4 of commission regulation (EU) No. 813/2013

Specifications

Model(s): **Rendamax R602 EVO**

Condensing boiler: yes  
 Low-temperature (\*\*) boiler: no  
 B1 boiler: no  
 Combination heater: no

	Symb.	Value	Unit
Useful heat output			
At rated heat output and high-temperature regime (*)	P <sub>4</sub>	190.4	kW
At 30 % of rated heat output and low-temperature regime (**)	P <sub>1</sub>	63.5	kW
Useful efficiencies			
At rated heat output and high-temperature regime (*)	η <sub>4</sub>	88.4	% (gcv)
At 30 % of rated heat output and low-temperature regime (**)	η <sub>1</sub>	98.3	% (gcv)
Auxiliary electricity consumption			
At full load	elmax	0.267	kW
At part load	elmin	0.056	kW
In standby mode	P <sub>SB</sub>	0.007	kW
Other items			
Standby heat loss	P <sub>stby</sub>	0.286	kW
Emissions of Nitrogen Oxides (nominal)	NOx	25	mg/kWh
Sound Power level	L <sub>wa</sub>	70	dB(A)

(\*) 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, G20)

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Scope

Directive 92/42/EEC

Article 4 of commission regulation (EU) No. 813/2013

Specifications

Model(s): **Rendamax R603 EVO**

Condensing boiler: yes  
 Low-temperature (\*\*) boiler: no  
 B1 boiler: no  
 Combination heater: no

	Symb.	Value	Unit
Useful heat output			
At rated heat output and high-temperature regime (*)	P <sub>4</sub>	237.6	kW
At 30 % of rated heat output and low-temperature regime (**)	P <sub>1</sub>	79.2	kW
Useful efficiencies			
At rated heat output and high-temperature regime (*)	η <sub>4</sub>	88.5	% (gcv)
At 30 % of rated heat output and low-temperature regime (**)	η <sub>1</sub>	98.3	% (gcv)
Auxiliary electricity consumption			
At full load	elmax	-	kW
At part load	elmin	-	kW
In standby mode	P <sub>SB</sub>	-	kW
Other items			
Standby heat loss	P <sub>stby</sub>	0.310	kW
Emissions of Nitrogen Oxides (nominal)	NOx	24	mg/kWh
Sound Power level	L <sub>wa</sub>	-	dB(A)

(\*) 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, G20)

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Appendix no:1  
Dated: March 2017  
Examination report(s):  
150900970/1  
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**Elco BV**

This appendix supersedes appendix no. (n.a.)

Scope  
Directive 92/42/EEC  
Article 4 of commission regulation (EU) No. 813/2013

Specifications  
Model(s): **Rendamax R604 EVO**

Condensing boiler: yes  
Low-temperature (\*\*) boiler: no  
B1 boiler: no  
Combination heater: no

	Symb.	Value	Unit
Useful heat output			
At rated heat output and high-temperature regime (*)	P <sub>4</sub>	285.7	kW
At 30 % of rated heat output and low-temperature regime (**)	P <sub>1</sub>	95.2	kW
Useful efficiencies			
At rated heat output and high-temperature regime (*)	η <sub>4</sub>	88.5	% (gcv)
At 30 % of rated heat output and low-temperature regime (**)	η <sub>1</sub>	98.3	% (gcv)
Auxiliary electricity consumption			
At full load	elmax	-	kW
At part load	elmin	-	kW
In standby mode	P <sub>SB</sub>	-	kW
Other items			
Standby heat loss	P <sub>stby</sub>	0.310	kW
Emissions of Nitrogen Oxides (nominal)	NOx	24	mg/kWh
Sound Power level	L <sub>wa</sub>	-	dB(A)

- (\*) 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, G20)

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Dated: March 2017

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150900970/1

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Scope

Directive 92/42/EEC

Article 4 of commission regulation (EU) No. 813/2013

Specifications

Model(s): **Rendamax R605 EVO**

Condensing boiler: yes  
 Low-temperature (\*\*) boiler: no  
 B1 boiler: no  
 Combination heater: no

	Symb.	Value	Unit
Useful heat output			
At rated heat output and high-temperature regime (*)	P <sub>4</sub>	381.3	kW
At 30 % of rated heat output and low-temperature regime (**)	P <sub>1</sub>	127.1	kW
Useful efficiencies			
At rated heat output and high-temperature regime (*)	η <sub>4</sub>	88.5	% (gcv)
At 30 % of rated heat output and low-temperature regime (**)	η <sub>1</sub>	98.3	% (gcv)
Auxiliary electricity consumption			
At full load	el <sub>max</sub>	0.486	kW
At part load	el <sub>min</sub>	0.069	kW
In standby mode	P <sub>SB</sub>	0.007	kW
Other items			
Standby heat loss	P <sub>stby</sub>	0.310	kW
Emissions of Nitrogen Oxides (nominal)	NO <sub>x</sub>	24	mg/kWh
Sound Power level	L <sub>wa</sub>	77	dB(A)

(\*) 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, G20)