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PIN	0063CT3449	Scope	Art. 4 of No. 813/2013 (2-8-2013) and/or 92/42/EEC (21-05-1992)	0063CT

## APPENDIX TO EC TYPE EXAMINATION CERTIFICATE (BED/R813)

Specifications:  
Models: THISION L PLUS 60 / TRIGON L PLUS 60

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

	Symbol	Value	Unit
Useful heat output			
At rated heat output and high-temperature regime (*)	P <sub>4</sub>	56.9	kW
At 30 % of rated heat output and low-temperature regime (**)	P <sub>1</sub>	19.0	kW
Useful efficiencies			
At rated heat output and high-temperature regime (*)	$\eta_4$	88.4	%
At 30 % of rated heat output and low-temperature regime (**)	$\eta_1$	98.4	%

(\*) 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 EC TYPE EXAMINATION CERTIFICATE (BED/R813)

### Specifications:

Models: THISION L PLUS 70 / TRIGON L PLUS 70

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

	Symbol	Value	Unit
Useful heat output			
At rated heat output and high-temperature regime (*)	P <sub>4</sub>	65.3	kW
At 30 % of rated heat output and low-temperature regime (**)	P <sub>1</sub>	21.8	kW
Useful efficiencies			
At rated heat output and high-temperature regime (*)	η <sub>4</sub>	88.2	%
At 30 % of rated heat output and low-temperature regime (**)	η <sub>1</sub>	98.3	%

(\*) 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 EC TYPE EXAMINATION CERTIFICATE (BED/R813)

Specifications:  
Models: THISION L PLUS 100 / TRIGON L PLUS 100

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

	Symbol	Value	Unit
Useful heat output			
At rated heat output and high-temperature regime (*)	P <sub>4</sub>	90.2	kW
At 30 % of rated heat output and low-temperature regime (**)	P <sub>1</sub>	30.2	kW
Useful efficiencies			
At rated heat output and high-temperature regime (*)	η <sub>4</sub>	88.0	%
At 30 % of rated heat output and low-temperature regime (**)	η <sub>1</sub>	98.2	%

(\*) 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 EC TYPE EXAMINATION CERTIFICATE (BED/R813)

### Specifications:

Models: THISION L PLUS 120 / TRIGON L PLUS 120

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

	Symbol	Value	Unit
Useful heat output			
At rated heat output and high-temperature regime (*)	P <sub>4</sub>	110.8	kW
At 30 % of rated heat output and low-temperature regime (**)	P <sub>1</sub>	37.0	kW
Useful efficiencies			
At rated heat output and high-temperature regime (*)	η <sub>4</sub>	88.4	%
At 30 % of rated heat output and low-temperature regime (**)	η <sub>1</sub>	98.4	%

(\*) 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 EC TYPE EXAMINATION CERTIFICATE (BED/R813)

### Specifications:

Models: THISION L PLUS 140 / TRIGON L PLUS 140

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

	Symbol	Value	Unit
Useful heat output			
At rated heat output and high-temperature regime (*)	P <sub>4</sub>	130.6	kW
At 30 % of rated heat output and low-temperature regime (**)	P <sub>1</sub>	43.7	kW
Useful efficiencies			
At rated heat output and high-temperature regime (*)	$\eta_4$	88.2	%
At 30 % of rated heat output and low-temperature regime (**)	$\eta_1$	98.3	%

(\*) 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 EC TYPE EXAMINATION CERTIFICATE (BED/R813)

Specifications:  
Models: THISION L PLUS 170 / TRIGON L PLUS 170

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

	Symbol	Value	Unit
Useful heat output			
At rated heat output and high-temperature regime (*)	P <sub>4</sub>	155.6	kW
At 30 % of rated heat output and low-temperature regime (**)	P <sub>1</sub>	52.0	kW
Useful efficiencies			
At rated heat output and high-temperature regime (*)	$\eta_4$	88.2	%
At 30 % of rated heat output and low-temperature regime (**)	$\eta_1$	98.2	%

(\*) 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 EC TYPE EXAMINATION CERTIFICATE (BED/R813)

Specifications:  
Models: THISION L PLUS 200 / TRIGON L PLUS 200

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

	Symbol	Value	Unit
Useful heat output			
At rated heat output and high-temperature regime (*)	P <sub>4</sub>	180.3	kW
At 30 % of rated heat output and low-temperature regime (**)	P <sub>1</sub>	60.4	kW
Useful efficiencies			
At rated heat output and high-temperature regime (*)	$\eta_4$	88.0	%
At 30 % of rated heat output and low-temperature regime (**)	$\eta_1$	98.2	%

(\*) 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)