

Declaration

DGC notified body for council Directive 92/42/EEC, hereby declares that, according to article 4 of commission regulation (EU) No. 813/2013 of 2 August 2013 the boiler

KD Navien NHC 25B

meets the requirements regarding

- Seasonal space heating energy efficiency,
 - NOx emissions
 - Water heating energy efficiency
- (* Not Applicable) applicable from 2018 only

YES
NA (*)
YES

The declaration is based upon the measured values as given in the following table

Model(s): [information identifying the model(s) to which the information relates]

Condensing boiler: [yes/no]

Low-temperature (**) boiler: [yes/no]

B1 boiler: [yes/no]

Combination heater: [yes/no]

yes
no
no
yes

Symbol Value Unit

Useful heat output

At rated heat output and high-temperature regime (*)

P 4 24,0 kW

At 30 % of rated heat output and low-temperature regime

P 1 7,7 kW

useful efficiencies

At rated heat output and high-temperature regime (*)

η 4 92,1 %

At 30 % of rated heat output and low-temperature regime

η 1 97,4 %

Auxiliary electricity consumption

At full load

elmax 0,136 kW

At part load

elmin 0,057 kW

In standby mode

P SB 0,013 kW

Other items

Standby heat loss

P stby 0,111 kW

Ignition burner power consumption

P ign 0,000 kW

Emissions of nitrogen oxides (optional)

NOx - mg/ kWh

Declaration

DGC notified body for council Directive 92/42/EEC, hereby declares that, according to article 4 of commission regulation (EU) No. 813/2013 of 2 August 2013 the boiler

KD Navien NHC 30B

meets the requirements regarding

Seasonal space heating energy efficiency,

NOx emissions

Water heating energy efficiency

(* Not Applicable) applicable from 2018 only

YES
NA (*)
YES

The declaration is based upon the measured values as given in the following table

Model(s): [information identifying the model(s) to which the information relates]

Condensing boiler: [yes/no]

Low-temperature (**) boiler: [yes/no]

B1 boiler: [yes/no]

Combination heater: [yes/no]

yes
no
no
yes

Useful heat output

At rated heat output and high-temperature regime (*)

At 30 % of rated heat output and low-temperature regime

Symbol Value Unit

P 4	27,9	kW
P 1	9,3	kW

useful efficiencies

At rated heat output and high-temperature regime (*)

At 30 % of rated heat output and low-temperature regime

η 4	91,3	%
η 1	96,0	%

Auxiliary electricity consumption

At full load

At part load

In standby mode

elmax	0,145	kW
elmin	0,060	kW
P SB	0,014	kW

Other items

Standby heat loss

Ignition burner power consumption

Emissions of nitrogen oxides (optional)

P stby	0,111	kW
P ign	0,000	kW
NOx	-	mg/ kWh

Declaration

DGC notified body for council Directive 92/42/EEC, hereby declares that, according to article 4 of commission regulation (EU) No. 813/2013 of 2 August 2013 the boiler

KD Navien NHC 41B

meets the requirements regarding

Seasonal space heating energy efficiency,

NOx emissions

Water heating energy efficiency

(* Not Applicable) applicable from 2018 only

YES
NA (*)
YES

The declaration is based upon the measured values as given in the following table

Model(s): [information identifying the model(s) to which the information relates]

Condensing boiler: [yes/no]

Low-temperature (**) boiler: [yes/no]

B1 boiler: [yes/no]

Combination heater: [yes/no]

yes
no
no
yes

Symbol Value Unit

Useful heat output

At rated heat output and high-temperature regime (*)

P 4 36,8 kW

At 30 % of rated heat output and low-temperature regime

P 1 11,9 kW

useful efficiencies

At rated heat output and high-temperature regime (*)

η 4 91,7 %

At 30 % of rated heat output and low-temperature regime

η 1 96,6 %

Auxiliary electricity consumption

At full load

elmax 0,163 kW

At part load

elmin 0,066 kW

In standby mode

P SB 0,012 kW

Other items

Standby heat loss

P stby 0,140 kW

Ignition burner power consumption

P ign 0,000 kW

Emissions of nitrogen oxides (optional)

NOx - mg/ kWh

seasonal space heating energy efficiency during on mode
(calculated value, for boilers below 70kW heat output)

η_{son}	96,6	%
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Correction factors

- Adjusted contribution of temperature controls
- Auxiliary electricity consumption
- Standby heat losses
- Ignition burner power consumption
- Sum:

F1	3,0	%
F2	2,1	%
F3	0,2	%
F4	0,0	%
F1-F4	5,3	%

Seasonal space heating energy efficiency
(calculated value, for boilers below 70kW heat output)
Seasonal space heating energy efficiency. Rounded value

η_s	91,3	%
η_s	91	%

For combination heaters

- Declared load profile
- Daily electricity consumption
- Daily fuel consumption
- Water heating energy efficiency

	XL	
Qelec	0,443	kWh
Qfuel	28,617	kWh
η_{WH}	64	%

for low-temperature boilers 37 °C and for other heaters 50 °C return temperature (at heater inlet).

(**) Low temperature means for condensing boilers

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

Note: The values for η_s and η_{WH} (if applicable) stated above correspond to the following efficiency classes

according regulation 811/2013 resp. 812/2013

according regulation 811/2013 resp. 812/2013

efficiency class central heating 2010/30/EC (informative)

efficiency class water heating 2010/30/EC (informative)

A
B

18th September 2015



Torben Kvist
Head of Notified Body

seasonal space heating energy efficiency during on mode
(calculated value, for boilers below 70kW heat output)

η_{son}	95,3	%
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Correction factors

- Adjusted contribution of temperature controls
- Auxiliary electricity consumption
- Standby heat losses
- Ignition burner power consumption
- Sum:

F1	3,0	%
F2	1,9	%
F3	0,2	%
F4	0,0	%
F1-F4	5,1	%

Seasonal space heating energy efficiency
(calculated value, for boilers below 70kW heat output)
Seasonal space heating energy efficiency. Rounded value

η_s	90,3	%
η_s	90	%

For combination heaters

- Declared load profile
- Daily electricity consumption
- Daily fuel consumption
- Water heating energy efficiency

	XL	
Qelec	0,440	kWh
Qfuel	29,532	kWh
η_{WH}	62	%

for low-temperature boilers 37 °C and for other heaters 50 °C return temperature (at heater inlet).

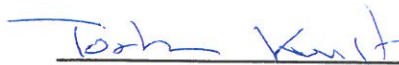
(**) Low temperature means for condensing boilers

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

Note: The values for η_s and η_{WH} (if applicable) stated above correspond to the following efficiency classes according regulation 811/2013 resp. 812/2013 according regulation 811/2013 resp. 812/2013 efficiency class central heating 2010/30/EC (informative) efficiency class water heating 2010/30/EC (informative)

A
B

18th September 2015



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seasonal space heating energy efficiency during on mode
(calculated value, for boilers below 70kW heat output)

η_{son}	95,9	%
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Correction factors

- Adjusted contribution of temperature controls
- Auxiliary electricity consumption
- Standby heat losses
- Ignition burner power consumption
- Sum:

F1	3,0	%
F2	1,5	%
F3	0,2	%
F4	0,0	%
F1-F4	4,7	%

Seasonal space heating energy efficiency
(calculated value, for boilers below 70kW heat output)
Seasonal space heating energy efficiency. Rounded value

η_s	91,1	%
η_s	91	%

For combination heaters

- Declared load profile
- Daily electricity consumption
- Daily fuel consumption
- Water heating energy efficiency

	XXL	
Qelec	0,468	kWh
Qfuel	35,339	kWh
η_{WH}	67	%

for low-temperature boilers 37 °C and for other heaters 50 °C return temperature (at heater inlet).

(**) Low temperature means for condensing boilers

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

Note: The values for η_s and η_{WH} (if applicable) stated above correspond to the following efficiency classes according regulation 811/2013 resp. 812/2013 according regulation 811/2013 resp. 812/2013 efficiency class central heating 2010/30/EC (informative) efficiency class water heating 2010/30/EC (informative)

A
B

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