

The following product data are in compliance with the requirements of the EU directives no. 811/2013, and no. 813/2013 as amendment to the directive 2010/30/EU of the European Parliament and the directive of 19 May 2010 in the submission of the energy consumption and other resources through energy consumption relevant products, by means standard uniform etiquette, labelling and product information.

Product data

BHKW type	smartblock 33s
Fuel	Natural Gas (NG)
Volume heating unit CHP	Yes
Value added burner	Yes
Supplementary heater	No
Low temperature boiler	No
B11 boiler	No
Combination heater	No
Nominal heating capacity P_{rated}	69 kW
Annually adjusted room heating efficiency η_s	137 %
Energy efficiency class	A ++

Usable heating power

With nominal heating power and additional heating element switched off or on

$P_{CHP100+Sup0}$ resp. $P_{CHP100+Sup100}$	68,1 kW
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Thermal resistance

At nominal heat performance with additional heating unit switched on or off

$\eta_{CHP100+Sup0}$ resp. $\eta_{CHP100+Sup100}$	63,3 %
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Electrical performance

At nominal heating performance of the room heater with CHP either switched on or off additional heater

$\eta_{el,CHP100+Sup0}$ resp. $\eta_{el,CHP100+Sup100}$	31,0 %
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Additional heater

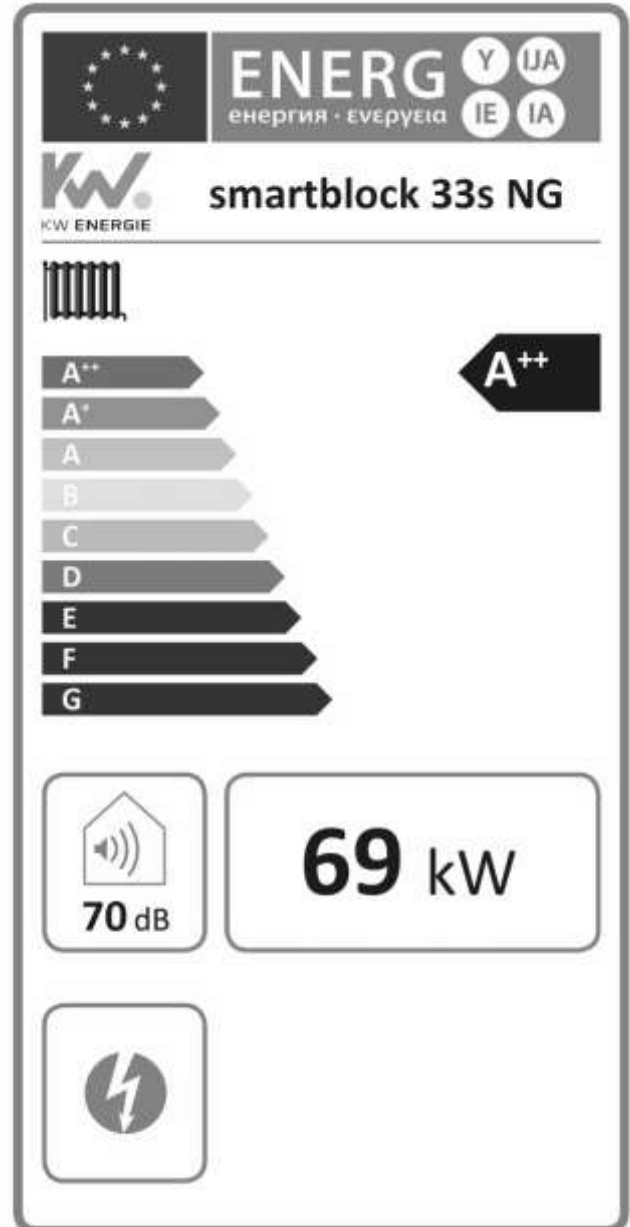
Nominal heating power P_{Sub}	-
Type of heating influx	-

Auxiliary power consumption

At full load $e_{l_{max}}$ u. partial load $e_{l_{min}}$	0,332 kW
In ready mode P_{SB}	0,060 kW

Other details

Heat loss in ready mode P_{stby}	0,162 kW
Energy consumption of ignition flame	-
Annual energy consumption Q_{HE}	1033 kWh
Noise performance level inside L_{WA}	70 dB



Die technischen Daten sind bei Normbezugsbedingungen gemäß EN 50465. Leistungsanpassungen bei Umgebungsbedingungen gemäß EN 50645, Kapitel 7.6.1. Die Toleranz für den spezifischen Kraftstoffverbrauch beträgt +5%. Alle Wirkungsgrade sind entsprechend EU-VO Nr. 813/2013 der Gesamtenergiezufuhr als Brennwert (Hs) berechnet. Entsprechend unserer Geschäftspolitik und der ständigen Weiterentwicklung, behalten wir uns das Recht vor, Daten und Eigenschaften ohne Bekanntgabe zu ändern. Alle Angaben beziehen sich auf neuwertige Anlagen ohne Verschleißerscheinungen.