



ETALON 99 LTD



CERTIFICATE of EC type examination

1858-GAD-33/11- 0292
Identification No

Owner: "BOREY" Ltd., Bulgaria, Gorna Oriahovitca, 88 Knyaz Boris Str.

Manufacturer: DAEWOO GAS BOILER CO., LTD.
CHEONGCHEON-DONG WOOLIM LION'S VALLEY 425, KOREA

Gas appliance: CONDENSING CENTRAL HEATING COMBI GAS BOILERS

Trade mark: DAEWOO

Type: CONDENSING CENTRAL HEATING COMBI GAS BOILER DGB ...,
DAEWOO

Models: DGB 160MES / 200MES / 250MES / 300MES / 350MES /

Appliance category: II_{2H} 3B/P

PIN: 1858CM0292

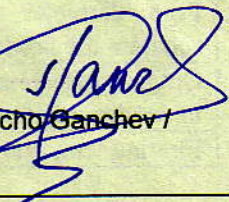
Country of destination: BG ; GR ; PL ; RO

Report: 33/04.07.2011 - 10.08.2011 г.

Etalon 99 Ltd. Bulgaria hereby certifies that after the successful completion of EC type examination (module B) the tested product CONDENSING CENTRAL HEATING COMBI DGB ..., DAEWOO GAS BOILERS, models: DGB-160 MES / 200 MES / 250 MES / 300 MES / 350 MES / complies with the applicable essential requirements of Directive 2009/142/EC entered into force in Bulgaria by Ordinance for essential requirements and conformity assessment of gas appliances.

15.08.2011.
Gabrovo



Head of notified body: 
/ Dr. Peycho Ganchev /

"Etalon 99" Ltd - notified by the government of the Republic of Bulgaria and officially registered by the European Commission for conformity assessment of gas appliances.

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Electrical data: ~ 230V ; 50Hz ; 115 ÷ 135 W ; IPX4D

CONDENSING CENTRAL HEATING COMBI GAS BOILER DGB ...

Category: II_{2H3B/P}

Country of destination: BG ; GR ; PL ; RO

Gas input pressure: 20mbar; 30 mbar

Gas supply: G20; G30.

20 mbar	BG ; GR ; PL ; RO
30 mbar	BG ; GR ; PL ; RO

Installation codes: C₁₃; C₃₃; C₄₃; C₅₃

P_{MS}: 3 bar; P_{MW}: 8 bar; NO_x – class: 4

Condensing water : 2 – 4 ℓ / h

Technical data:

MODELS	DGB 160 MES	DGB 200 MES	DGB 250 MES	DGB 300 MES	DGB 350 MES
Nominal heat input: Q _n , kW	20,0	24,9	30,5	37,1	41,0
Nominal output: P _n , kW	18,8	23,3	29,1	34,9	38,4
Nominal heat input hot water:, Q _{nw} , kW	20,0	24,9	30,5	37,1	41,0
Condensing output:, kW	19,8	24,9	30,6	36,6	40,7
Efficiency:, %	93,0	93,6	95,4	94,1	93,6
Efficiency:, 50° / 30°, %	106,2	106,3	106,3	106,2	106,3
Efficiency:, 80° / 60°, %	97,3	97,0	98,5	97,7	97,4
Domestic hot water flow rate D, l/min , Δ t = 25°C	13,3	13,3	16,7	20,0	23,3
Domestic hot water flow rate D, l/min , Δ t = 40°C	8,3	8,3	10,4	12,5	14,6
Gas rate, V , m ³ /h	2,0	2,5	3,0	3,7	4,1
Nozzle G 20 / G 30, mm	1,55/1,10	1,55/1,10	1,55/1,10	1,55/1,10	1,55/1,10
Max. temperature domestic hot water, °C	65	65	65	65	65
Expansion vessel, volume, ℓ	6	6	8	8	8
Pipe diameter for supplying air to separate the products of combustion, mm	80 / 100	80 / 100	80 / 100	80 / 100	80 / 100
Outgoing gas temperature, °C, in condensing mode	57,5	58,1	59,5	59,5	59,7
Heating temperature, °C	85	85	85	85	85