

# EG-Baumusterprüfbescheinigung

## EC type examination certificate

**CE-0085BO0215**

Produkt-Identnummer  
product identification no.

<b>Anwendungsbereich</b> <i>field of application</i>	EG-Gasgeräte-richtlinie (2009/142/EG) <i>EC Gas Appliances Directive (2009/142/EC)</i>
<b>Zertifikatinhaber</b> <i>owner of certificate</i>	Bosch Termotecnologia S.A. Estrada Nacional 16 Km 3,7 - Casia, P-3801-856 Aveiro
<b>Vertreiber</b> <i>distributor</i>	Bosch Termotecnologia S.A. Estrada Nacional 16 Km 3,7 - Casia, P-3801-856 Aveiro
<b>Produktart</b> <i>product category</i>	Boilers: Boiler with atmospheric burner (3121)
<b>Produktbezeichnung</b> <i>product description</i>	Circulation and combi water-heater with open combustion chamber, burner without fan, ionisation flame monitoring, flow-operated safety device
<b>Modell</b> <i>model</i>	ZS/ZW/NS/NW/OS/OW...KE; BGLS/BGLM...HN/HB; U034...
<b>Bestimmungsländer</b> <i>countries of destination</i>	AT, BE, BG, BR, BY, CH, CZ, DE, DK, DZ, EE, ES, FI, FR, GB, GR, HR, HU, IE, IT, KZ, LT, LU, LV, MA, PL, PT, RO, RS, RU, SE, SI, SK, TN, UA
<b>Prüfberichte</b> <i>test reports</i>	supplement test: 10/015/3103/912 from 08.02.2010 (EBI)
<b>Prüfgrundlagen</b> <i>basis of type examination</i>	EU/2009/142/EG (30.11.2009) DIN EN 297 (01.10.2005) DIN EN 625 (01.10.1995)

**Aktenzeichen** 10-0148-GEA  
*file number*

25.02.2010 Rie A-1/2

Datum, Bearbeiter, Blatt, Leiter der Zertifizierungsstelle  
*date, issued by, sheet, head of certification body*

DVGW CERT GmbH - von der Deutschen Bundesregierung benannte und von der Europäischen Kommission offiziell registrierte Stelle für die Konformitätsbewertung von Gasgeräten

DVGW CERT GmbH - notified by the government of the Federal Republic of Germany and officially registered by the European Commission for conformity assessment of gas appliances



ZLS-ZE-527/07

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Gerätekatategorien <i>appliance categories</i>	Versorgungsdrücke <i>supply pressures</i>	Bestimmungsländer <i>countries of destination</i>	Bemerkungen <i>remarks</i>
I2E	20 mbar	DE, LU	Ausf. ZS/ZW/NS/NW...
I2E+	20/25 mbar	BE	Ausf. ZS/ZW/NS/NW...
I2H	20 mbar	AT, CH, CZ, DK, FI, SE	Ausf. ZS/ZW/NS/NW...
I2H	25 mbar	HU	Ausf. ZS/ZW/NS/NW...
I3+	28-30/37 mbar	BE	Ausf. ZS/ZW/NS/NW...
II2E LwLs3B/P	20,20,13, 37 mbar	PL	Ausf. ZS/ZW 14-2...
II2E LwLs3P B/P	20,20,13, 37,37 mbar	PL	Ausf. ZS/ZW 12-1/2...
II2E+3+	20/25, 28-30/37 mbar	FR	Ausf. BGLS... and BGLM
II2H3+	20, 28-30/37 mbar	IT	Ausf. BGLS... and BGLM
II2H3+	20, 28-30/37 mbar	CZ, ES, GB, GR, IE, PT, SK	Ausf. ZS/ZW/NS/NW...
II2H3B/P	20, 28-30/37 mbar	DK, FI, IT, SE	Ausf. ZS/ZW 12-1...
II2H3B/P	20, 28-30/37 mbar	EE, LT, LV	Ausf. ZS/ZW/NS/NW...
II2H3B/P	25, 28-30 mbar	HU	Ausf. ZS/ZW/NS/NW/OS/OW...
II2H3P	20, 28-30/37 mbar	PL	Ausf. ZS/ZW/NS/NW...

Typ <i>type</i>	Technische Daten <i>technical data</i>	Bemerkungen <i>remarks</i>
ZS/ZW/NS/NW/OS/OW 12-1/2 KE; BGLS/BGLM 12-1/2 HN/HB	nominal heat output: 4,0...12,0 kW heat input (Hi): 4,8...13,8 kW	
ZS/ZW/NS/NW/OS/OW 18-1/2 KE; BGLS/BGLM 18-1/2 HN/HB	nominal heat output: 6,0...18,0 kW heat input (Hi): 7,1...20,5 (Trinkwasser: 7,1...22,8) kW	
ZS/ZW 24-2 KE	nominal heat output: 8,0...22,3 kW nominal heat input (Hi): 9,5...25,0 kW	nur für/only for BY, KZ, RU, UA
ZS/ZW/NS/NW/OS/OW 23-1/2 KE; BGLS/BGLM 23-1/2 HN/HB; U034-23-1(K)	nominal heat output: 8,0...22,6 kW heat input (Hi): 9,6...25,3 (Trinkwasser: 8,4...25,3) kW	
ZS/ZW 24 KE; BGLS/BGLM 24 HN/HB;	nominal heat output: 8,0...23,6 kW heat input (Hi): 9,5...26,5 (Trinkwasser: 8,4...26,5) kW	
ZS/ZW/NS/NW/OS/OW 24-1/2 KE; BGLS/BGLM 24-1/2 HN/HB; U034-24 (K)	nominal heat output: 8,0...21,0 kW heat input (Hi): 9,3...23,6 (Trinkwasser: 8,4...23,6) kW	
ZS/ZW/NS/NW/OS/OW 28-1/2 KE	nominal heat output: 10,0...27,6 kW heat input (Hi): 11,5...30,6 kW	
ZS/ZW/NS/NW/OS/OW 28-1/2 KE	nominal heat output: 10,0...24,0 (natural gas); 10,0...24,9 (LPG) kW heat input - natural gas (Hi): 11,5...26,6 (Trinkwasser: 11,5...30,6) kW heat input - LPG (Hi): 11,5...29,8 kW	
ZS/ZW/NS/NW/OS/OW 28-1/2 KE	nominal heat output: 10,0...28,0 kW heat input (Hi): 11,5...29,8 (Trinkwasser: 11,5...30,6) kW	
ZS/ZW/NS/NW/OS/OW 14-1/2 KE; BGLS/BGLM 14-1/2 HN/HB	nominal heat output: 8,0...14,0 kW heat input (Hi): 9,5...16,0 (Trinkwasser: 8,4...26,5) kW	

Ausführungsvariante <i>type variation</i>	Erläuterungen <i>explanations</i>
ZS/BGLS/NS/OS/U034... ZW/BGLM/NW/OW...; U034...K	water heater for central heating combi water heater

### Verwendungshinweise / Bemerkungen

#### hints of utilization / remarks

Flue type: B11BS

Electrical data: 230 V AC, 50 Hz, IPX4D

Additionally tested appliance categories, supply pressures and countries of destination:

BR, IR, DZ, LV, HR, RO, RS, RU, SI, TN, UA: II2H3+ (20, 28-30/37 mbar); MA: I3+ (28/37); BG: II2H3B/P (20, 30 mbar);

types ZS/ZW 24 KE: UA, RU, BY, KZ: I2H (13 mbar)

In Belarus, Kasakstan, Algeria, Brazil, Morocco, Serbia, Croatia, in the Russian Federation, Tunisia and in the Ukraine the CE-marking will be accepted as conformaty approval if the Gas Appliance Directive (2009/142/EC) is transferred into national law by Belarus, Kasakstan, Algeria, Brazil, Morocco, Serbia, Croatia, the Russian Federation, Tunisia respectively by the Ukraine.

The devices are sold under the trade names Bosch, Bosch Vulcano, elm Leblanc, Junkers, Neckar, Zeus and Buderus.

# EG-Baumusterprüfbescheinigung

## EC type examination certificate

CE-0085BO0215

 Produkt-Identnummer  
 product identification no.

<b>Anwendungsbereich</b> <i>field of application</i>	EG-Wirkungsgradrichtlinie (92/42/EWG) <i>EC Efficiency Directive (92/42/EEC)</i>
<b>Zertifikatinhaber</b> <i>owner of certificate</i>	Bosch Termotecnologia S.A. Estrada Nacional 16 Km 3,7 - Casia, P-3801-856 Aveiro
<b>Vertreiber</b> <i>distributor</i>	Bosch Termotecnologia S.A. Estrada Nacional 16 Km 3,7 - Casia, P-3801-856 Aveiro
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<b>Produktbezeichnung</b> <i>product description</i>	Circulation and combi water-heater with open combustion chamber, burner without fan, ionisation flame monitoring, flow-operated safety device
<b>Modell</b> <i>model</i>	ZS/ZW/NS/NW/OS/OW...KE; BGLS/BGLM...HN/HB; U034...
<b>Heizkesseltyp</b> <i>type of boiler</i>	standard boiler
<b>Prüfberichte</b> <i>test reports</i>	supplement test: 10/015/3103/912 from 08.02.2010 (EBI)
<b>Prüfgrundlagen</b> <i>basis of type examination</i>	EU/92/42 (21.05.1992)
<b>Aktenzeichen</b> <i>file number</i>	10-0148-GWA

25.02.2010 Rie A-1/2

 Datum, Bearbeiter, Blatt, Leiter der Zertifizierungsstelle  
 date, issued by, sheet, head of certification body

DVGW CERT GmbH - vom Deutschen Institut für Bautechnik (DIBt) nach dem Bauproduktengesetz anerkannte und bei der Europäischen Kommission benannte Zertifizierungsstelle für die EG-Heizkessel-Wirkungsgradrichtlinie

DVGW CERT GmbH - recognized by the German Institute for Building Technology (DIBt) and notified at the European Commission as certification body for the EC Boiler Efficiency Directive



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<b>Typ type</b>	<b>Technische Daten technical data</b>	<b>Energieeffizienzkennz. energy labelling</b>
ZS/ZW/NS/NW/OS/OW 12-1/2 KE; BGLS/BGLM 12-1/2 HN/HB	nominal heat output: 4,0...12,0 kW heat input (Hi): 4,8...13,8 kW	*
ZS/ZW/NS/NW/OS/OW 18-1/2 KE; BGLS/BGLM 18-1/2 HN/HB	nominal heat output: 6,0...18,0 kW heat input (Hi): 7,1...20,5 (Trinkwasser: 7,1...22,8) kW	*
ZS/ZW 24-2 KE	nominal heat output: 8,0...22,3 kW nominal heat input (Hi): 9,5...25,0 kW	**
ZS/ZW/NS/NW/OS/OW 23-1/2 KE; BGLS/BGLM 23-1/2 HN/HB; U034-23-1(K)	nominal heat output: 8,0...22,6 kW heat input (Hi): 9,6...25,3 (Trinkwasser: 8,4...25,3) kW	**
ZS/ZW 24 KE; BGLS/BGLM 24 HN/HB;	nominal heat output: 8,0...23,6 kW heat input (Hi): 9,5...26,5 (Trinkwasser: 8,4...26,5) kW	**
ZS/ZW/NS/NW/OS/OW 24-1/2 KE; BGLS/BGLM 24-1/2 HN/HB; U034-24 (K)		
ZS/ZW/NS/NW/OS/OW 21-1 KE; BGLS/BGLM 21-1 HN/HB; U034-21-1(K)	nominal heat output: 8,0...21,0 kW heat input (Hi): 9,3...23,6 (Trinkwasser: 8,4...23,6) kW	**
ZS/ZW/NS/NW/OS/OW 28-1/2 KE	nominal heat output: 10,0...27,6 kW heat input (Hi): 11,5...30,6 kW	**
ZS/ZW/NS/NW/OS/OW 28-1/2 KE	nominal heat output: 10,0...24,0 (natural gas); 10,0...24,9 (LPG) kW heat input - natural gas (Hi): 11,5...26,6 (Trinkwasser: 11,5...30,6) kW heat input - LPG (Hi): 11,5...29,8 kW	**
ZS/ZW/NS/NW/OS/OW 28-1/2 KE	nominal heat output: 10,0...28,0 kW heat input (Hi): 11,5...29,8 (Trinkwasser: 11,5...30,6) kW	**
ZS/ZW/NS/NW/OS/OW 14-1/2 KE; BGLS/BGLM 14-1/2 HN/HB	nominal heat output: 8,0...14,0 kW heat input (Hi): 9,5...16,0 (Trinkwasser: 8,4...26,5) kW	**

### **Verwendungshinweise / Bemerkungen**

#### **hints of utilization / remarks**

The energy labelling can be used according to the actual regulations of the country of destination for the individual types. The above listed model was certified under the Product-Identnumber CE-0085BO0215 according to the Gas Appliance Directive (2009/142/EC).