

EU type examination certificate

CERT

EU-Baumusterprüfbescheinigung

CE-0085AQ0713

Product Identification No.
Produkt-Identnummer

Field of Application <i>Anwendungsbereich</i>	EU Gas Appliances Regulation (EU/2016/426) <i>EU-Gasgeräteverordnung (EU/2016/426)</i>
Distributor <i>Vertreiber</i>	BERETTA Via Risorgimento, 13, I-23900 Lecco (LC)
Product Category <i>Produktart</i>	Boilers with flue systems: Condensing water heater (3202)
Product Description <i>Produktbezeichnung</i>	Condensing boiler (cascade) with fan-assisted burner, electrical ignition and ionisation flame supervising
Model <i>Modell</i>	POWER ...
Countries of Destination <i>Bestimmungsländer</i>	AT, BE, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, LV, MT, NL, NO, PL, PT, RO, SE, SI, SK, TR
Test Reports <i>Prüfberichte</i>	type testing: B 18/02/2593 EU from 16.03.2018 (DBI)
Test Basis <i>Prüfgrundlagen</i>	EU/2016/426 A III B (09.03.2016) DIN EN 15502-1 (01.10.2012) DIN EN 15502-2-1 (01.01.2013)

Date of Expiry / File No. 11.04.2028 / 18-0269-GEA
Ablaufdatum / AZ

17.05.2018 Kö D-1/2

Date, Issued by, Sheet, Head of Certification Body
Datum, Bearbeiter, Blatt, Leiter der Zertifizierungsstelle

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DVGW CERT GmbH
ZertifizierungsstelleJosef-Wirmer-Str. 1-3
53123 Bonn

Tel. +49 228 91 88 - 888

Fax +49 228 91 88 - 993

www.dvgw-cert.com

info@dvgw-cert.com

Appliance Categories <i>Gerätekategorien</i>	Supply Pressures <i>Versorgungsdrücke</i>	Countries of Destination <i>Bestimmungsländer</i>	Remarks <i>Bemerkungen</i>
I2E(S)	20/25 mbar	BE	
I2Ls	13 mbar	PL	
I3+	28-30/37 mbar	BE	
I3B/P	30 mbar	CY, IS, MT	
I12E+3+	20/25, 28-30/37 mbar	FR	
I12E3B/P	20, 37 mbar	PL	
I12E3P	20, 37 mbar	LU	
I12ELL3B/P	20, 50 mbar	DE	
I12ELwLs3B/P	20,20,13, 37 mbar	PL	
I12Esi3+	20/25, 28-30/37 mbar	FR	
I12Esi3B/P	20/25, 28-30 mbar	FR	
I12H3+	20, 28-30/37 mbar	ES, GB, GR, IE, IT, PT, SI, SK	
I12H3B/P	20, 30 mbar	DK, EE, FI, IE, LT, LV, NO, RO, SE, TR	
I12H3B/P	20, 50 mbar	AT, CH, CZ, LU, SK	
I12H3P	20, 37 mbar	SI, SK	
I12HS3B/P	25, 30 mbar	HU	
I12L3B/P	25, 30 mbar	NL	

Type <i>Typ</i>	Technical Data <i>Technische Daten</i>	Remarks <i>Bemerkungen</i>
...Plus Box 50	nominal heat output: 13,3...44,2 kW heat input (Hi): 13,5...45,0 kW	Cascade: 1 x 45 kW
...Plus Box 100	nominal heat output: 13,3...88,3 kW heat input (Hi): 13,5...89,9 kW	Cascade: 2 x 45 kW
...Plus 50 DEP; ...X 50 DEP; ...X 50 DEP R.S.I.	nominal heat output: 13,3...34,2 kW heat input (Hi): 13,5...34,8 kW	Cascade: 1 x 34,8 kW
...Plus 100 DEP	nominal heat output: 13,3...68,3 kW heat input (Hi): 13,5...69,6 kW	Cascade: 2 x 34,8 kW
...Plus Box 85 Sys; ...Plus LE 85 SYS	nominal heat output: 13,3...75,3 kW heat input (Hi): 13,5...76,7 kW	Cascade: 2 x 38,3 kW
...Plus Box 115 Hi; ...Plus Box 115 Hi Sys; ...LE 115 HI SYS	nominal heat output: 13,3...112,9 kW heat input (Hi): 13,5...115,0 kW	Cascade: 3 x 38,3 kW
...X 35; ...X 35 R.S.I.	nominal heat output: 5,2...30,9 kW heat input (Hi): 5,2...31,5 kW	Cascade: 1 x 35 kW
...Plus 50; ...X 50; ...X 50 R.S.I.	nominal heat output: 13,3...44,2; 12,9...40,1 (Ls) kW heat input (Hi): 13,5...45,0; 13,1...40,8 (Ls) kW	Cascade: 1 x 45 kW resp. 1 x 41 kW
...Plus 100	nominal heat output: 13,3...88,3; 12,9...80,2 (Ls) kW heat input (Hi): 13,5...89,9; 13,1...81,6 (Ls) kW	Cascade: 2 x 45 kW resp. 2 x 41 kW
...Plus Box 150	nominal heat output: 13,3...132,5; 12,9...120,3 (Ls) kW heat input (Hi): 13,5...134,9; 13,1...122,4 (Ls) kW	Cascade: 3 x 45 kW resp. 3 x 41 kW
...Plus Box 200	nominal heat output: 13,3...176,6; 12,9...160,4 (Ls) kW heat input (Hi): 13,5...179,8; 13,1...163,2 (Ls) kW	Cascade: 4 x 45 kW resp. 4 x 41 kW

Type Variation <i>Ausführungsvariante</i>	Explanations <i>Erläuterungen</i>
Power Plus...	for installation at the wall
Power Plus Box...	for standing installation, case made of stainless steel, for outdoor installation

Hints of Utilization /Remarks

Verwendungshinweise / Bemerkungen

Electrical data: 230 V AC, 50 Hz

Flue types: B23, B53, C13, C13x, C33, C33x, C43, C43x, C53, C53x, C63, C63x, C83 according to installation manual with flue systems 0432-BPR-220556/2005, 0063-CPD-7990/2, 0036 CPD 9169 003 and 0694-CPR-7968

EC type examination certificate

EG-Baumusterprüfbescheinigung

CE-0085AQ0713

Product Identification No.
Produkt-Identnummer**Field of Application**
*Anwendungsbereich*EC Efficiency Directive (92/42/EEC)
EG-Wirkungsgradrichtlinie (92/42/EWG)**Distributor**
*Vertreiber*BERETTA
Via Risorgimento, 13, I-23900 Lecco (LC)**Product Category**
Produktart

Boilers with flue systems: Condensing water heater (3202)

Product Description
Produktbezeichnung

Condensing boiler (cascade) with fan-assisted burner, electrical ignition and ionisation flame supervising

Model
Modell

POWER ...

Type of Boiler
Heizkesseltyp

condensing boiler

Test Reports
*Prüfberichte*supplement test: B16/05/2164EU from 27.05.2016 (DBI)
supplement test: B16/02/2114EU from 19.02.2016 (DBI)**Test Basis**
Prüfgrundlagen

EU/92/42 (21.05.1992)

File Number
Aktenzeichen

17-0283-GWU

23.05.2019 Kö D-1/2

Date, Issued by, Sheet, Head of Certification Body
Datum, Bearbeiter, Blatt, Leiter der Zertifizierungsstelle

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DVGW CERT GmbH
ZertifizierungsstelleJosef-Wirmer-Str. 1-3
53123 BonnTel. +49 228 91 88 - 888
Fax +49 228 91 88 - 993www.dvgw-cert.com
info@dvgw-cert.com

Type <i>Typ</i>	Technical Data <i>Technische Daten</i>	Energy Labelling <i>Energieeffizienzkennzeichnung</i>
...Plus Box 50	nominal heat output: 13,3...44,2 kW heat input (Hi): 13,5...45,0 kW	
...Plus Box 100	nominal heat output: 13,3...88,3 kW heat input (Hi): 13,5...89,9 kW	
...Plus 50 DEP; ...X 50 DEP; ...X 50 DEP R.S.I.	nominal heat output: 13,3...34,2 kW heat input (Hi): 13,5...34,8 kW	
...Plus 100 DEP	nominal heat output: 13,3...68,3 kW heat input (Hi): 13,5...69,6 kW	
...Plus Box 85 Sys; ...Plus LE 85 SYS	nominal heat output: 13,3...75,3 kW heat input (Hi): 13,5...76,7 kW	
...Plus Box 115 Hi; ...Plus Box 115 Hi Sys; ...LE 115 HI SYS	nominal heat output: 13,3...112,9 kW heat input (Hi): 13,5...115,0 kW	
...X 35; ...X 35 R.S.I.	nominal heat output: 5,2...30,9 kW heat input (Hi): 5,2...31,5 kW	
...Plus 50; ...X 50; ...X 50 R.S.I.	nominal heat output: 13,3...44,2; 12,9...40,1 (Ls) kW heat input (Hi): 13,5...45,0; 13,1...40,8 (Ls) kW	
...Plus 100	nominal heat output: 13,3...88,3; 12,9...80,2 (Ls) kW heat input (Hi): 13,5...89,9; 13,1...81,6 (Ls) kW	
...Plus Box 150	nominal heat output: 13,3...132,5; 12,9...120,3 (Ls) kW heat input (Hi): 13,5...134,9; 13,1...122,4 (Ls) kW	
...Plus Box 200	nominal heat output: 13,3...176,6; 12,9...160,4 (Ls) kW heat input (Hi): 13,5...179,8; 13,1...163,2 (Ls) kW	



Report No.:

B 16/02/2114 EU

Technical data for the appliance with 50 kW capacity:

Distributor	Model	Capacity	Note	Nominal heat input kW		Nominal heat output kW	
				Hs	Hi	80/60°C	50/30°C
Fontecal	Corolla AC 50, Corolla ACS 50	50 kW	ACS with 3 way valve inside	15,0-50,0	13,5-45,0	13,3-44,2	14,7-48,5
Beretta	POWER X 50, POWER X 50 R.S.I	50 kW	R.S.I with 3 way valve inside	15,0-50,0	13,5-45,0	13,3-44,2	14,7-48,5
Sylber	PRINCE 50, PRINCE 50 SR	50 kW	SR with 3 way valve inside	15,0-50,0	13,5-45,0	13,3-44,2	14,7-48,5
Vokera	VERVE i50, VERVE i50 SR	50 kW	SR with 3 way valve inside	15,0-50,0	13,5-45,0	13,3-44,2	14,7-48,5

Distributor	Model	Efficiency nominal input P _n % 1)	Efficiency reduced input 0,3 P _n %	Notations Directive 92/42/EEC Art. 5	labeling Directive 92/42/EEC Annex II
Fontecal	Corolla AC 50, Corolla ACS 50	98,2	108,7	Condensing Boiler	****
Beretta	POWER X 50, POWER X 50 R.S.I	98,2	108,7		****
Sylber	PRINCE 50, PRINCE 50 SR	98,2	108,7		****
Vokera	VERVE i50, VERVE i50 SR	98,2	108,7		****

1) averaged boiler temperature 70°C

accuracy of measurement +/- 1,5%

Maximum water pressure: 6 bar

Maximum Output temperature: 80°C

Execution variants

Explanations:

... ACS	Appliance with a 3 way valve inside. The label dependent on the distributor.
... R.S.I	
... SR	
... 50	Capacity = 50 KW

Report No.:

B 16/02/2114 EU

Technical data for the appliance with 35 kW capacity:

Distributor	Model	Capacity	Note	Nominal heat input kW		Nominal heat output kW	
				Hs	Hi	80/60°C	50/30°C
Fontecal	Corolla AC 35, Corolla ACS 35	35 kW	ACS with 3 way valve inside	5,8-35,0	5,2-31,5	5,2-30,9	5,7-34,4
Beretta	POWER X 35 , POWER X 35 R.S.I.	35 kW	R.S.I with 3 way valve inside	5,8-35,0	5,2-31,5	5,2-30,9	5,7-34,4
Sylber	PRINCE 35, PRINCE 35 SR	35 kW	SR with 3 way valve inside	5,8-35,0	5,2-31,5	5,2-30,9	5,7-34,4
Vokera	VERVE i35, VERVE i35 SR	35 kW	SR with 3 way valve inside	5,8-35,0	5,2-31,5	5,2-30,9	5,7-34,4

Distributor	Model	Efficiency nominal input Pn % 1)	Efficiency reduced input 0,3 Pn %	Notations Directive 92/42/EEC Art. 5	labeling Directive 92/42/EEC Annex II
Fontecal	Corolla AC 35, Corolla ACS 35	98,0	109,0	Condensing Boiler	****
Beretta	POWER X 35, POWER X 35 R.S.I.	98,0	109,0		****
Sylber	PRINCE 35, PRINCE 35 SR	98,0	109,0		****
Vokera	VERVE i35, VERVE i35 SR	98,0	109,0		****

1) averaged boiler temperature 70°C

accuracy of measurement +/- 1,5%

Maximum water pressure: 6 bar

Maximum Output temperature: 80°C

Execution variants

Explanations:

... ACS	Appliance with a 3 way valve inside. The label dependent on the distributor.
... R.S.I	
... SR	
... 35	Capacity = 35 KW

Report No.:

B 16/02/2114 EU

Technical data for the appliance with 38,7 kW capacity:

Distributor	Model	Capacity	Note	Nominal heat input kW		Nominal heat output kW	
				Hs	Hi	80/60°C	50/30°C
Fontecal	Corolla AC 50, Corolla ACS 50 DEP	38,7 kW	R.S.I. with 3 way valve inside	15,0-38,7	13,5-34,8	13,3-34,2	14,7-37,8
Beretta	POWER X 50 DEP, POWER X 50 DEP R.S.I.	38,7 kW	R.S.I. with 3 way valve inside	15,0-38,7	13,5-34,8	13,3-34,2	14,7-37,8
Sylber	PRINCE 50 DEP, PRINCE 50 DEP SR	38,7 kW	SR with 3 way valve inside	15,0-38,7	13,5-34,8	13,3-34,2	14,7-37,8
Vokera	VERVE i50 DEP, VERVE i50 DEP SR	38,7 kW	SR with 3 way valve inside	15,0-38,7	13,5-34,8	13,3-34,2	14,7-37,8

Distributor	Model	Efficiency nominal input P _n % 1)	Efficiency reduced input 0,3 P _n %	Notations Directive 92/42/EEC Art. 5	labeling Directive 92/42/EEC Annex II
Fontecal	Corolla AC 50, Corolla ACS 50 DEP	98,3	108,7	Condensing Boiler	****
Beretta	POWER X 50 DEP, POWER X 50 DEP R.S.I.	98,3	108,7		****
Sylber	PRINCE 50 DEP, PRINCE 50 DEP SR	98,3	108,7		****
Vokera	VERVE i50 DEP, VERVE i50 DEP SR	98,3	108,7		****

1) averaged boiler temperature 70°C

accuracy of measurement +/- 1,5%

Maximum water pressure: 6 bar

Maximum Output temperature: 80°C

Execution variants

Explanations:

... ACS	Appliance with a 3 way valve inside. The label dependent on the distributor.
... R.S.I	
... SR	
... 50 DEP	Capacity = 38,7 KW