

Technical Information • Data Sheet

GG10-LN

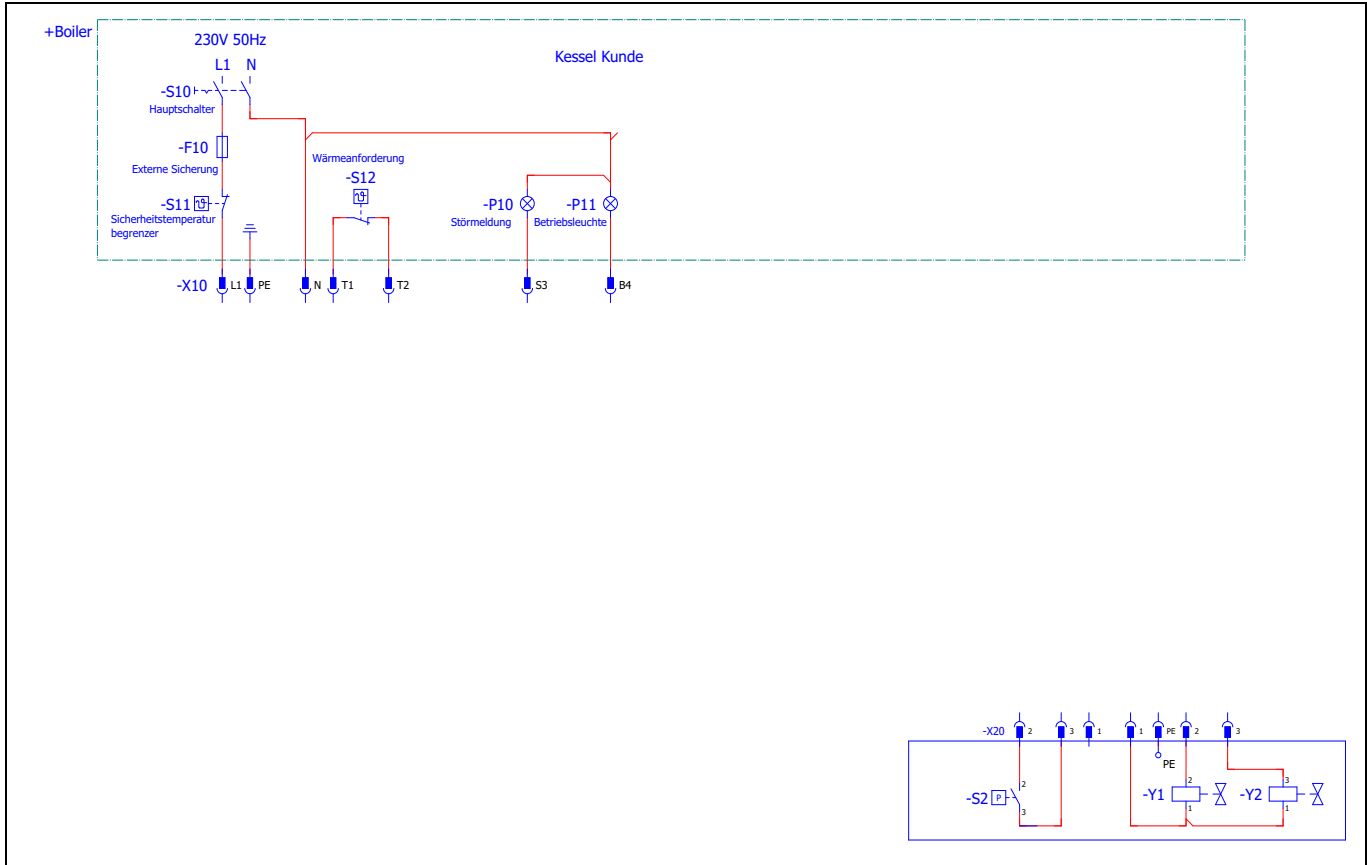
Gas

Issued in April 2024
Subject to tech. modifications
to improve the product!



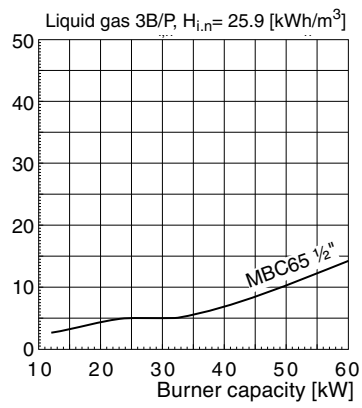
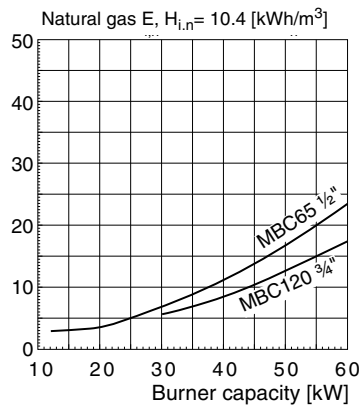
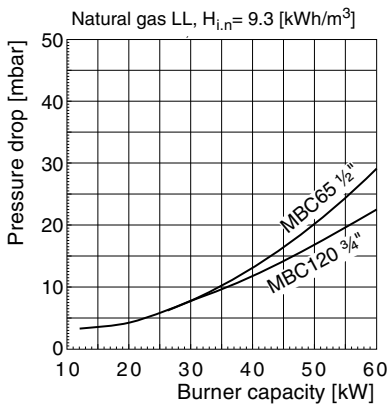
Electrical connection

Connection plan

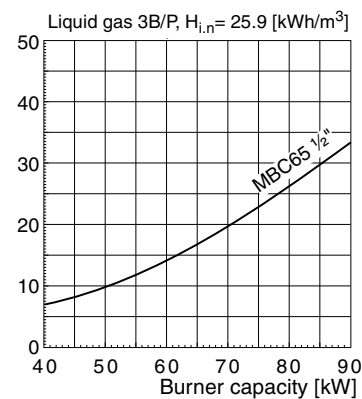
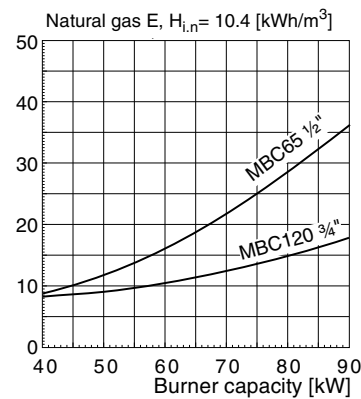
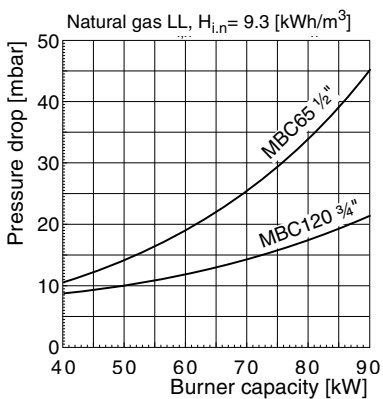


Selection diagrams

GG10/1-LN



GG10/2-LN



Technical specifications

Technische Daten	Burner type	
	GG10/1-LN	GG10/2-LN
Burner output	12 - 60 kW	20 - 90 kW
Gas type	Natural gas LL + E= "N", liquid gas 3B/P = "F"	
Gas inlet pressure with MBC65 ½"	65 mbar	
Gas inlet pressure with MBC120 ¾"	360 mbar	
Gas inlet pressure with KE15 ½"	-	360 mbar
Voltage	1 / N / PE ~ 50 Hz / 230 V	
Max. power consumption at start / during operation	1,9 A / 0,8 A	
Electric motor power	90 W	
Ignition transformer	35 mA; 8 kV eff.	
Control box	LME11	
Weight in kg	8 kg	
Noise emission in db(A)	≤ 59 dB(A)	
Gas burner class	5	
NOx limit	≤ 56 mg/kWh	

Adjustment tables GG10/1-LN



The data in the tables are reference values for commissioning. Intermediate values can be interpolated.

A combustion check must be carried out when starting up for the first time and after each adjustment.

GG10/1-N-LN				Natural gas LL: $H_{i,n} = 9,3$ [kWh/m ³]		
Burner output [kW]	Boiler output $\eta = 92\%$ [kW]	Position air control sleeve Dimension "A" [°]	Position mixing head Dimension "B" [mm]	Gas nozzle pressure p_G [mbar]	Starting gas p_S [mm]	Gas flow rate [m ³ /h]
12	11	10	5	1,0	16	1,3
15	14	18	5	1,7	18	1,7
20*	18	24	5	3,0	18	2,2
25	23	29	5	4,6	18	2,8
30	28	35	5	6,6	19	3,3
41	38	66	5	11,6	22	4,5
45	41	72	5	14,0	22	5,0
40	37	45	0	8,1	22	4,4
51	47	64	0	12,6	22	5,7
60	55	125	0	16,0	22	6,7

GG10/1-N-LN				Natural gas E: $H_{i,n} = 10,4$ [kWh/m ³]		
Burner output [kW]	Boiler output $\eta = 92\%$ [kW]	Position air control sleeve Dimension "A" [°]	Position mixing head Dimension "B" [mm]	Gas nozzle pressure p_G [mbar]	Starting gas p_S [mm]	Gas flow rate [m ³ /h]
12	11	10	5	0,8	16	1,2
15	14	18	5	1,3	18	1,5
20*	18	24	5	2,3	18	2,0
25	23	29	5	3,5	18	2,5
30	28	35	5	5,1	19	3,0
41	38	66	5	8,9	22	4,1
45	41	72	5	10,8	22	4,5
40	37	45	0	6,2	22	4,0
51	47	64	0	9,7	22	5,1
60	55	125	0	12,3	22	5,9

GG10/1-F-LN				LPG $H_{i,n} = 25,89$ [kWh/m ³]		
Burner output [kW]	Boiler output $\eta = 92\%$ [kW]	Position air control sleeve Dimension "A" [°]	Position mixing head Dimension "B" [mm]	Gas nozzle pressure p_G [mbar]	Starting gas p_S [mm]	Gas flow rate [m ³ /h]
16	15	18	5	1,0	16	0,6
24*	22	29	5	2,3	18	1,0
30	28	35	2	2,7	19	1,2
35	32	45	2	3,7	20	1,4
40	37	45	0	3,9	22	1,6
50	46	60	0	6,0	22	2,0
65	60	125	0	10,0	22	2,6

* factory setting

Adjustment tables GG10/2-LN

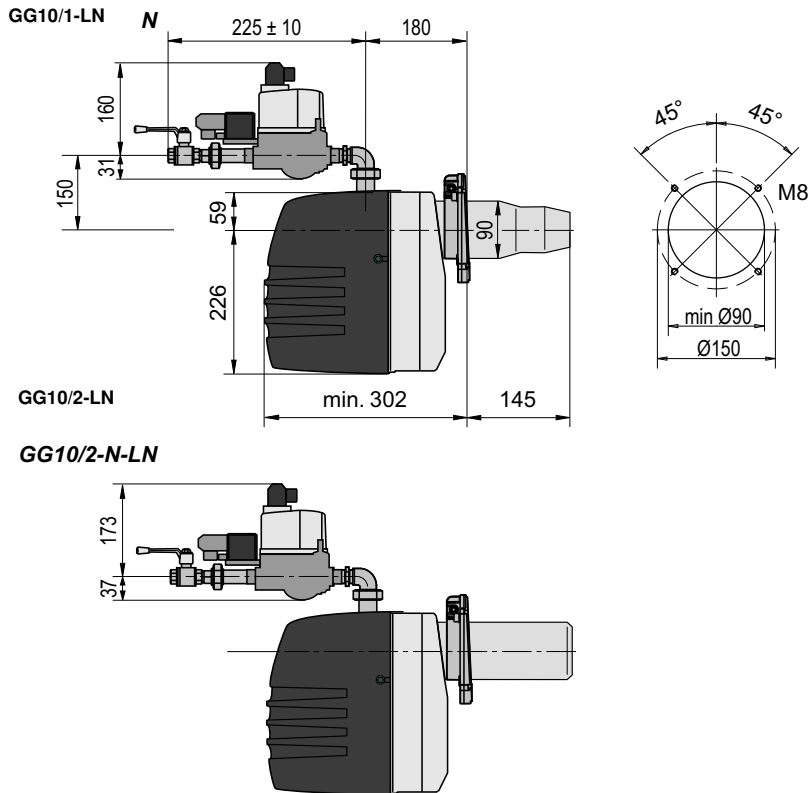
GG10/2-N-LN				Natural gas LL: $H_{i,n} = 9,3$ [kWh/m ³]		
Burner output [kW]	Boiler output $\eta = 92\%$ [kW]	Position air control sleeve Dimension "A" [°]	Position mixing head Dimension "B" [mm]	Gas nozzle pressure p_G [mbar]	Starting gas p_S [mm]	Gas flow rate [m ³ /h]
21	19	22	5	1,2	16	2,3
35*	32	35	5	3,9	18	3,9
50	46	51	5	7,6	18	5,5
36	33	31	2	2,8	18	4,0
50	46	40	2	5,1	20	5,5
65	60	55	2	8,3	20	7,2
65	60	60	0	8,0	22	7,2
80	74	80	0	11,4	22	8,9
90	83	125	0	15,4	22	10,0

GG10/2-N-LN				Natural gas E: $H_{i,n} = 10,4$ [kWh/m ³]		
Burner output [kW]	Boiler output $\eta = 92\%$ [kW]	Position air control sleeve Dimension "A" [°]	Position mixing head Dimension "B" [mm]	Gas nozzle pressure p_G [mbar]	Starting gas p_S [mm]	Gas flow rate [m ³ /h]
21	19	22	5	0,9	16	2,1
35*	32	35	5	3,0	18	3,5
50	46	51	5	5,8	18	5,0
36	33	31	2	2,2	18	3,6
50	46	40	2	3,9	20	5,0
65	60	55	2	6,4	20	6,4
65	60	60	0	6,1	22	6,4
80	74	80	0	8,8	22	7,9
90	83	125	0	11,8	22	8,9

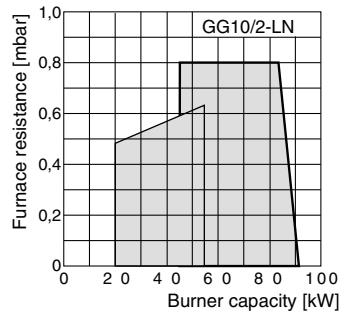
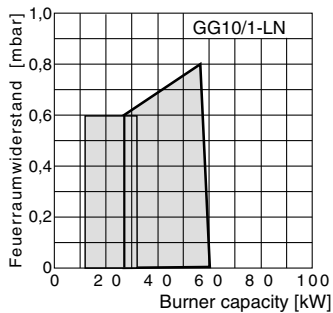
GG10/2-F-LN				LPG $H_{i,n} = 25,89$ [kWh/m ³]		
Burner output [kW]	Boiler output $\eta = 92\%$ [kW]	Position air control sleeve Dimension "A" [°]	Position mixing head Dimension "B" [mm]	Gas nozzle pressure p_G [mbar]	Starting gas p_S [mm]	Gas flow rate [m ³ /h]
22	20	21	5	1,0	18	0,9
35*	32	36	5	2,8	18	1,4
40	37	33	2	2,8	20	1,6
65	60	55	2	7,2	20	2,6
75	69	702	0	8,7	22	3,0
85	78	100	0	10,5	22	3,4
95	87	125	0	13,2	22	3,8

* factory setting

Overall dimensions / Boiler connection measures (All dimensions in mm)



Working ranges



- Mixer unit "close"
- Mixer unit "open"

Working ranges acc. to DIN EN 676. The working ranges are referred to 15°C and 1013 mbar.

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