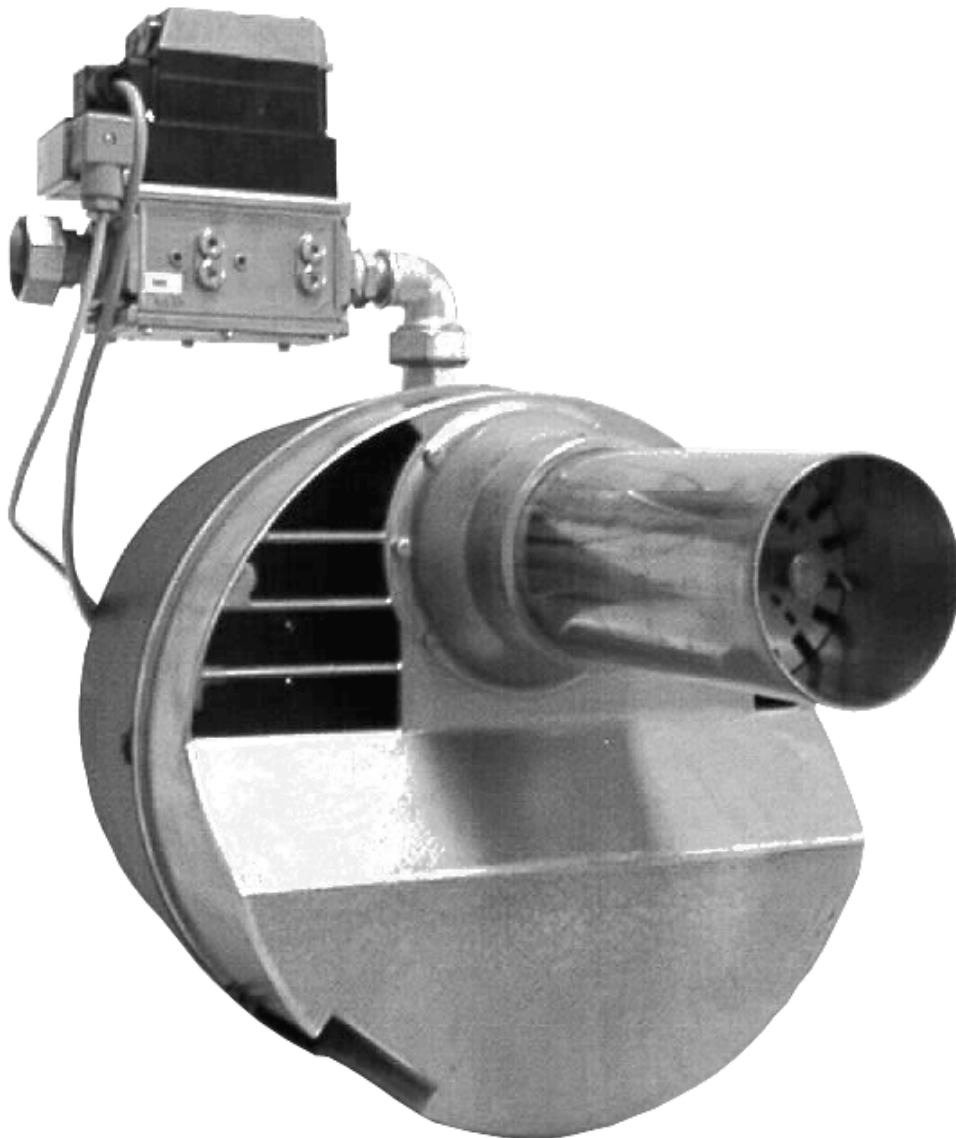


Technical Information • Data Sheet

RG30

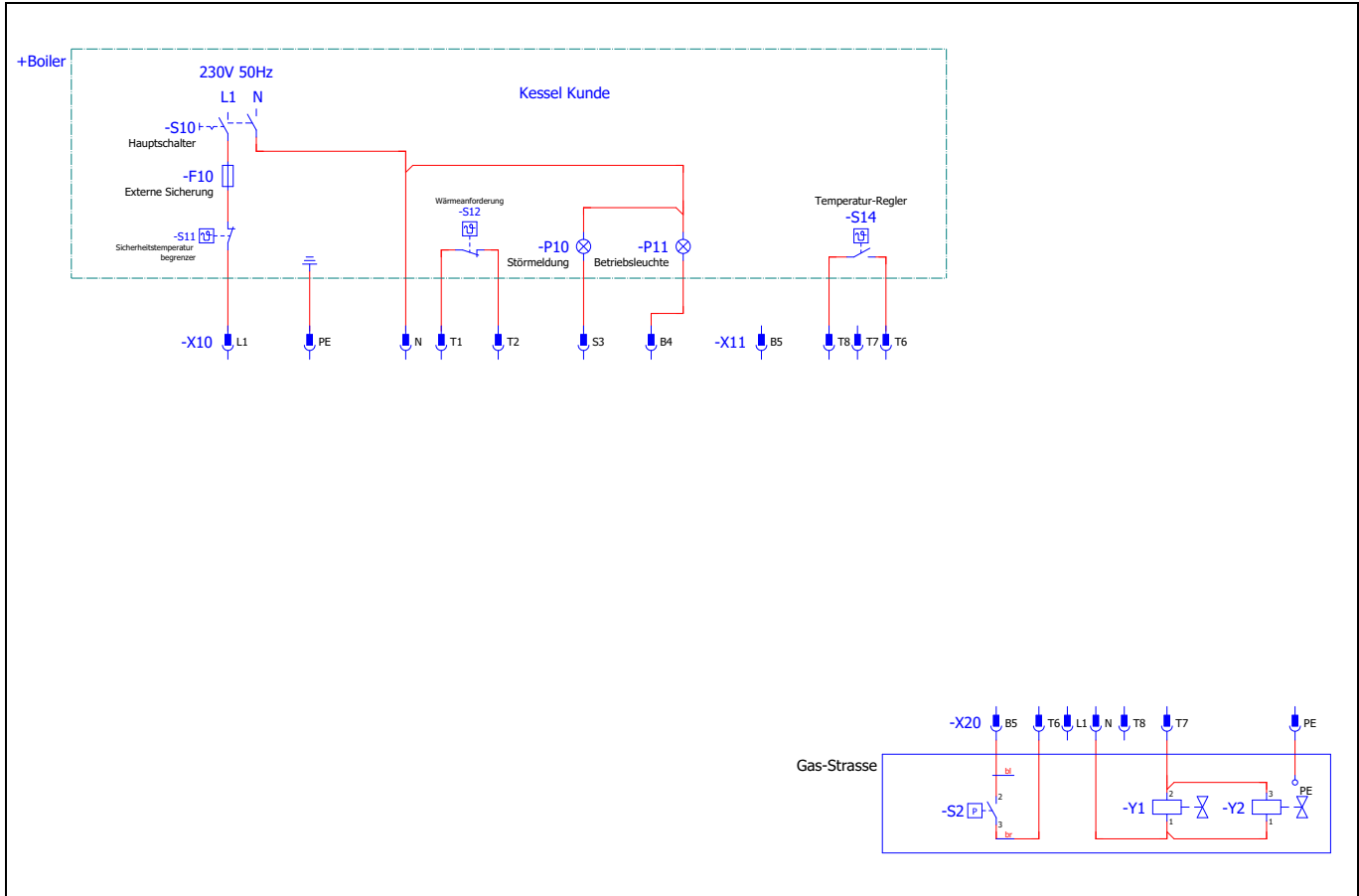
Issued April 2024
Right reserved to effect technical changes
in the interest of product improvement !

Gas

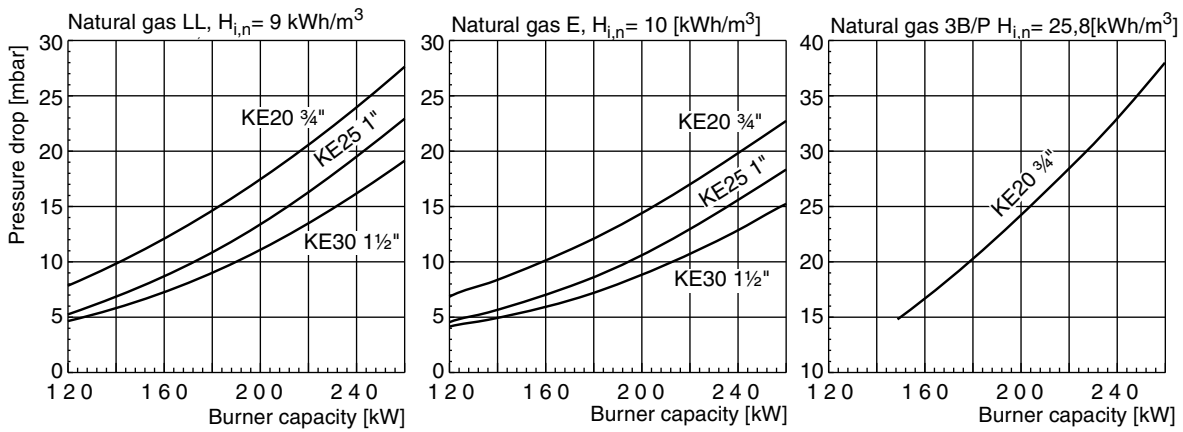


Electrical connection

RG30-Z-L



Selection diagrams



Technical specifications

Technical data	Burner type		
	RG30-N(-F)	RG30-Z-L-N(-F)	RG30-M-L-N(-F)
Burner output in kW	105 - 260		
Gas type	for natural gas LL + E = "-N" / LPG 3B/P = "-F"		
Method of operation	1-stage	2-stage sliding	modulating
Voltage	1 / N / PE ~50 Hz - 230 V		
Max. current consumption Max. start / operation	3 A/1.4 A	3.1 A/1.5 A	
Electric motor power (at 2850 rpm ⁻¹) in kW	0.25		
Flame failure controller	ionisation electrode		
Control box	LME11	LME22	
Weight in kg	38	40	
Noise emission in db(A)	≤ 75		
Gasburner class	2		
NOx limit value	80 - 120 mg/kWh		



Adjustment tables RG30



Burner output [kW]	Boiler output at $\eta = 92\%$ [kW]	Natural gas LL: $H_{i,n} = 9.3$ [kWh/m ³]		Air flow dimension "A" [mm]
		Gas nozzle pressure [mbar]	Gas flow [m ³ /h]	
105	97	3.0	12.0	17.0
111	102	3.3	12.7	18.0
133	123	4.7	15.2	19.0
150	138	5.9	17.2	21.0
167	154	7.1	19.1	22.0
194	179	9.0	22.2	24.0
222	204	11.7	25.4	30.0
260	239	16	29.7	40.0



Burner output [kW]	Boiler output at $\eta = 92\%$ [kW]	Natural gas E: $H_{i,n} = 10.4$ [kWh/m ³]		Air flow dimension "A" [mm]
		Gas nozzle pressure [mbar]	Gas flow [m ³ /h]	
105	97	2.2	10.7	17.0
111	102	2.6	11.3	18.0
133	123	3.7	13.6	19.0
150	138	4.6	15.3	21.0
167	154	5.6	17.1	22.0
194	179	7.1	19.8	24.0
222	204	9.2	22.7	30.0
260	239	12.5	26.6	40.0

Burner output [kW]	Boiler output at $\eta = 92\%$ [kW]	LPG 3B/P: $H_{i,n} = 25.8$ [kWh/m ³]		Air flow dimension "A" [mm]
		Gas nozzle pressure [mbar]	Gas flow [m ³ /h]	
105	97	5.8	4.3	17.0
111	102	6.8	4.5	18.0
133	123	7.9	5.3	19.0
150	138	9.5	6.0	21.0
167	154	13.5	6.7	22.0
194	179	18.6	7.8	24.0
222	204	24.7	9.1	30.0
260	239	30.8	10.5	40.0

RG30-Z(-M)-L

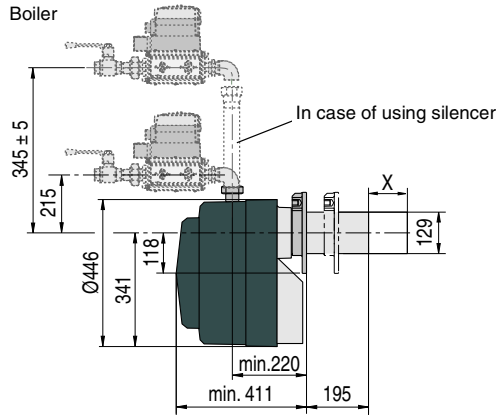
Burner output		Boiler output at $\eta = 92\%$ (Stage 2) High load [kW]	Air flap		Natural gas LL: $H_{i,n} = 9.3$ [kWh/m ³]						Air flow dimension "A" [mm]
Stage 2	Stage 1		ST2	ST1	Gas nozzle pressure		Gas throughput		Compact gas unit		
[kW]	[kW]				Stage 2	Stage 1	Stage 2	Stage 1	V	N	
			[°]	[°]	[mbar]	[mbar]	[m ³ /h]	[m ³ /h]			
112	105	103	30	25	3.4	2.7	12.8	12.1	2.5	0.5	50.0
138	110	127	40	30	5.0	3.1	15.8	12.6	2.5	0.5	50.0
165	120	152	50	35	7.1	3.7	18.9	13.7	2.5	0.5	50.0
180	120	166	60	35	7.9	3.7	20.6	13.7	2.5	0.5	50.0
203	120	187	80	35	9.5	3.7	23.3	13.7	2.5	0.5	50.0
222	120	204	100	35	11.6	3.7	25.4	13.7	2.5	0.5	50.0
236	120	217	115	35	13.4	3.7	27.0	13.7	2.5	0.5	50.0

Burner output		Boiler output at $\eta = 92\%$ (Stage 2) High load [kW]	Air flap		Natural gas E: $H_{i,n} = 10.4$ [kWh/m ³]						Air flow dimension "A" [mm]
Stage 2	Stage 1		ST2	ST1	Gas nozzle pressure		Gas flow		Compact gas unit		
[kW]	[kW]				Stage 2	Stage 1	Stage 2	Stage 1	V	N	
			[°]	[°]	[mbar]	[mbar]	[m ³ /h]	[m ³ /h]			
112	105	103	30	25	2.7	2.1	11.5	10.8	2.1	0.5	50.0
138	110	127	40	30	4.0	2.4	14.1	11.2	2.1	0.5	50.0
165	120	152	50	35	5.7	2.9	16.9	12.2	2.1	0.5	50.0
180	120	166	60	35	6.3	2.9	18.5	12.2	2.1	0.5	50.0
203	120	187	80	35	7.5	2.9	20.8	12.2	2.1	0.5	50.0
222	120	204	100	35	9.2	2.9	22.7	12.2	2.1	0.5	50.0
236	120	217	115	35	10.7	2.9	24.1	12.2	2.1	0.5	50.0

Burner output		Boiler output at $\eta = 92\%$ (Stage 2) High load [kW]	Air flap		LPG 3B/P: $H_{i,n} = 25.8$ [kWh/m ³]						Air flow dimension "A" [mm]
Stage 2	Stage 1		ST2	ST1	Gas nozzle pres- sure		Gas throughput		Compact gas unit		
[kW]	[kW]				Stage 2	Stage1	Stage 2	Stage 1	V	N	
			[°]	[°]	[mbar]	[mbar]	[m ³ /h]	[m ³ /h]			
111	107	102	30	25	6.8	5.5	4.5	4.3	4.8	0.5	50.0
133	109	122	38	30	7.9	6.0	5.3	4.4	4.8	0.5	50.0
167	120	154	50	35	13.5	7.4	6.7	4.9	4.8	0.5	50.0
176	120	162	58	35	15.0	7.4	7.1	4.9	4.8	0.5	50.0
194	120	178	75	35	18.6	7.4	7.8	4.9	4.8	0.5	50.0
222	120	204	100	35	24.7	7.4	9.1	4.9	4.8	0.5	50.0
236	120	217	115	35	27.5	7.4	9.7	4.9	4.8	0.5	50.0

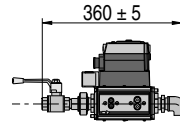
Overall dimensions / Boiler connection measures

All dimensions in mm

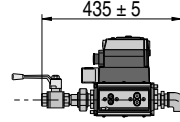


Compact units

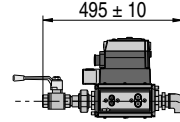
KE20 ¾"



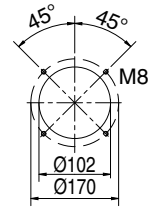
KE25 1"



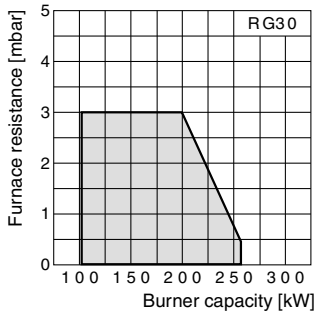
KE30 1½"



Boiler connection measures



Working range



DVGW tested working range according to DIN EN 676.

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