

Gas burner

Series RG | GG | MG

Dual fuel burner

Series MK

Series RG



Fully automatic gas burner, tested and approved in accordance with DIN EN 676 suitable for the combustion of natural gas (-N) and liquid gas (-F) in accordance with DVGW G 260 with electromotively controlled air exclusion (version -L) and low-emission combustion (version -LN). Equipped for two-stage output control (version -Z) and/or modulating output control (version -M). Burner tube is adjustable to combustion chamber depth. The burner can be mounted both horizontally or vertically.

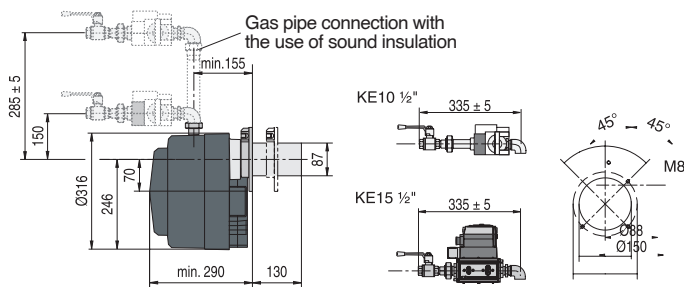
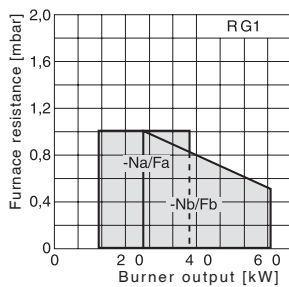
Burner housing with baseplate and burner hood, integrated sound insulation and sliding flange, AC motor, high-performance fan, mixing device and burner tube, ignition electrode and combination electrode, burner fastening material with flange seals and ball valve.

Burner wired for connection to control unit and ionisation monitoring device, 7-pin connector or 11-pin connector (versions -Z and -M) in accordance with DIN 4791.

Burner is flame tested and pre-set to low output. Complete with compact unit and two fast-opening solenoid valves for single-stage, two-stage or modulating operation, including integrated gas pressure regulator, gas pressure monitor and gas filter. All components are sealed, mounted and tested. Compact unit and connection elbow for fast assembly provided with connection. Electrical connection with connectors to IP 54 rating.

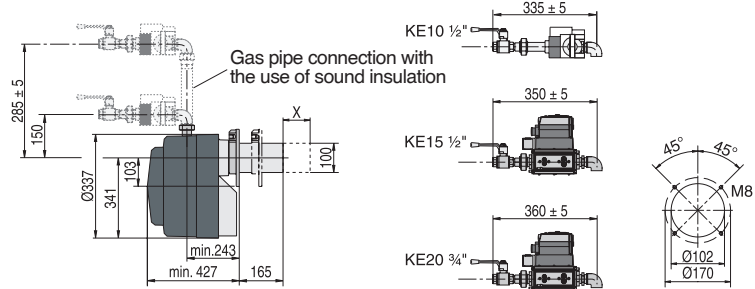
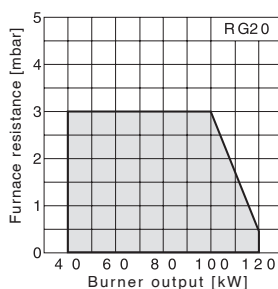
RG1 Burner output: Mode of operation: single-stage

12 - 61 kW Electrical connection 10 A: 1/N/PE ~ 50 Hz 220 -240 V Motor: 90 W



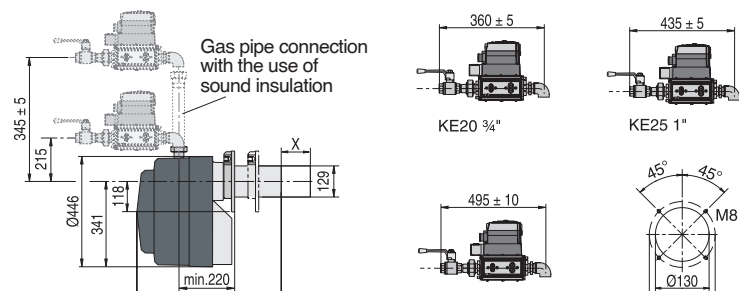
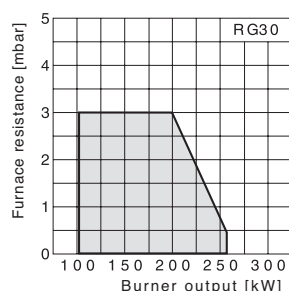
RG20 Burner output: Mode of operation: single-stage | two-stage gliding | modulating

40 - 120 kW Electrical connection 10 A: 1/N/PE ~ 50 Hz 220 -240 V Motor: 180 W



RG30 Burner output: Mode of operation: single-stage | two-stage gliding

105 - 260 kW Electrical connection 10 A: 1/N/PE ~ 50 Hz 220 -240 V Motor: 250 W



Series GG

GG10-LN | GG20-LN



Fully automatic gas burner, tested and approved in accordance with DIN EN 676 suitable for the combustion of natural gas (-N) and liquefied gas (-F) in low-emission (version -LN) compliant with EN 676 Emission Class 3. Burner can be used horizontally and vertically.

Burner housing with baseplate and burner hood, integrated sound insulation and sliding flange, AC motor, high-performance fan, mixing device and burner tube, ignition transformer with combination electrode, burner fastening material with flange seals and ball valve with integrated TAE.

Burner wired for connection to control unit and ionisation monitoring device, 7-pin connector or 11-pin connector (versions -Z and -M) in accordance with DIN 4791.

Burner is flame tested and pre-set to low output. Burner with compact unit and two fast-opening solenoid valve for single-stage, two-stage or modulating operation, including integrated gas pressure monitor, gas pressure monitor and gas filter.

All components are sealed, mounted and tested. Compact unit and connection elbow for fast assembly provided with connection. Electrical connection with coded connectors approved to IP 54.

GG10-LN

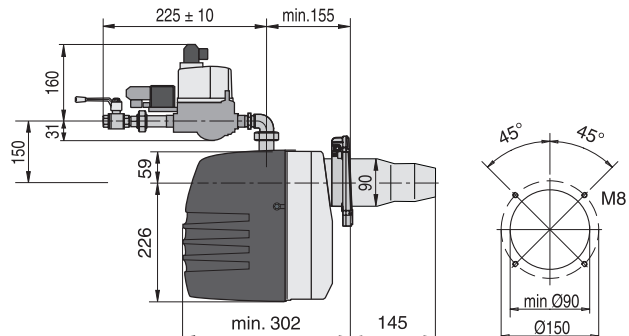
Burner output:

12 - 90 kW

Mode of operation: single-stage

Electrical connection 10 A: 1/N/PE ~ 50 Hz 220 -240 V

Motor: 90 W



GG20-LN

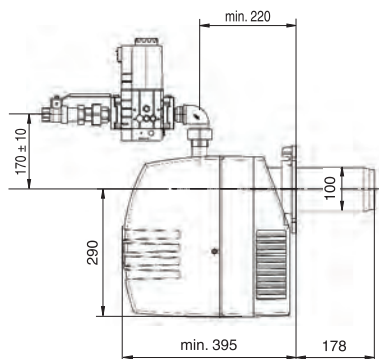
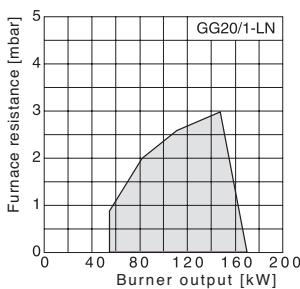
Burner output:

55 - 235 kW

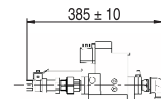
Mode of operation: two-stage gliding | modulating

Electrical connection 10 A: 1/N/PE ~ 50 Hz 220 -240 V

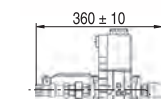
Motor: 0.18 kW



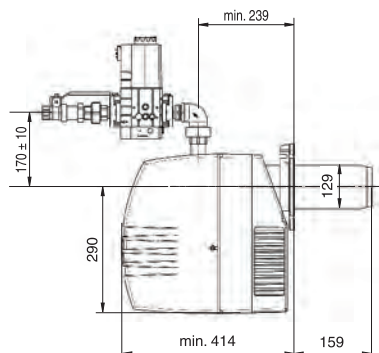
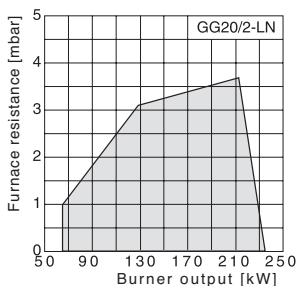
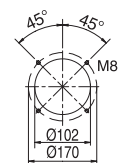
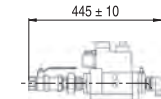
KEV407 ¾"



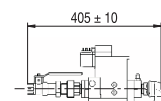
KEV300 ¾"



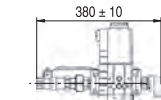
KEV412 1"



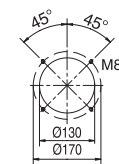
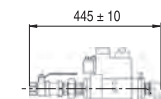
KEV407 1"



KEV300 1"

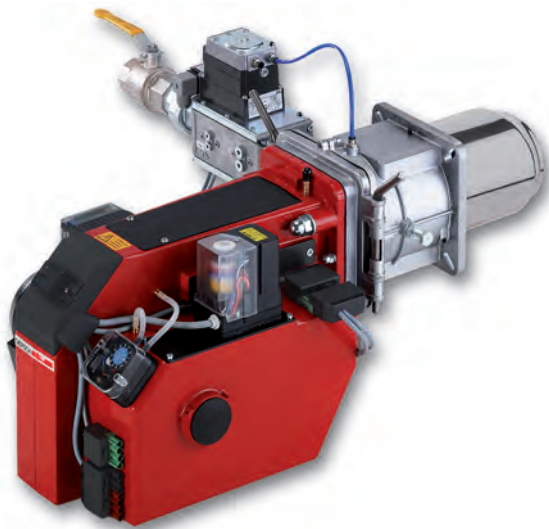


KEV412 1"



Series MG-LN

MG10-LN | MG20-LN



Fully automatic monoblock gas burner, approved in accordance with DIN EN 676.

Depending on the type of output control for two-stage progressive (version -Z), modulating (version -M) or for two-stage progressive and modulating modes of operation (version -ZM). With speed controlled higher-performance fan (version -DZM). Suitable for the combustion of natural gas (version -N) or and liquid gas (version -F) in accordance with DIN EN 437.

Low NOx and CO combustion in accordance with EN676 emission class 3 (version -LN). Low noise, pressure-stable fan with higher blower compression for a stable start-up.

Burner fan swivels to the left or right for easy access and time-saving servicing, with integrated sound insulation, AC three-phase motor, mixing device, control unit with flame monitor installed in versions -Z or -M, ignition transformer, incl. burner fastening material and flange seal.

In versions -ZM and -DZM with automatic burner control system for intermittent operation to control and monitoring of all burner functions, with integrated leakage check of the gas valves, Forced shutdown within 24 hours and eBus databus connection and optical monitoring of the air flap drive for guaranteed repetitive accuracy of the set positions of 0.3 degrees.

MG10-LN

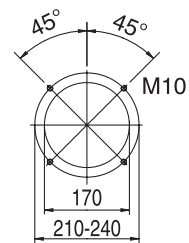
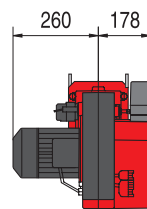
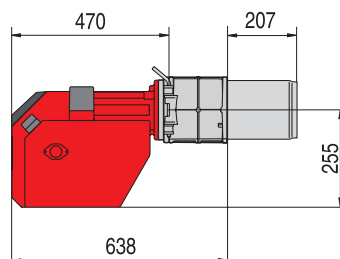
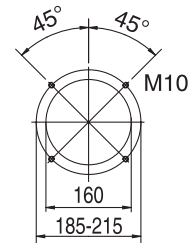
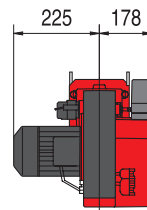
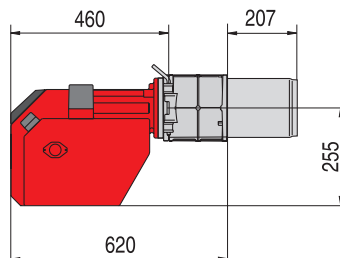
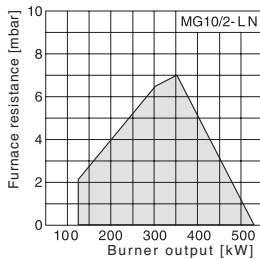
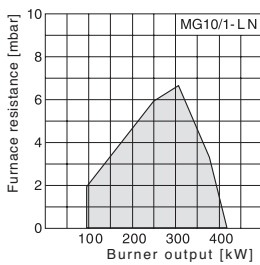
Burner output:

Mode of operation: modulating | two-stage gliding / - modulating | pilot two-stage modulating

95 - 530 kW

Electrical connection 10 A: 1/N/PE ~ 50 Hz 220 -240 V

Motor: 0.37 kW / 0.75 kW



MG20-LN

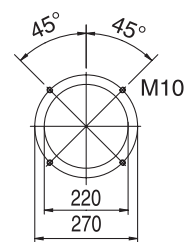
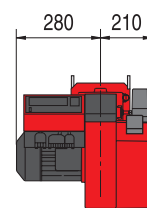
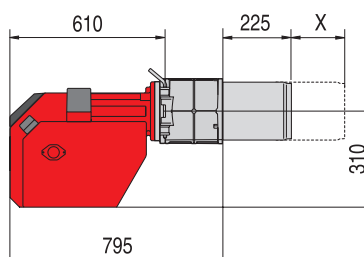
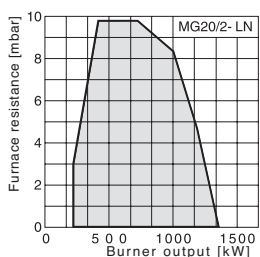
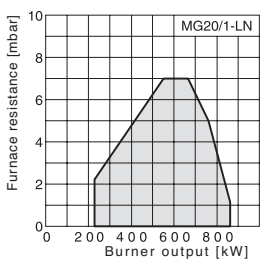
Burner output:

Mode of operation: two-stage modulating | pilot two-stage modulating

225 - 1510 kW

Electrical connection 10 A: 3/N/PE ~ 50 Hz 400 V

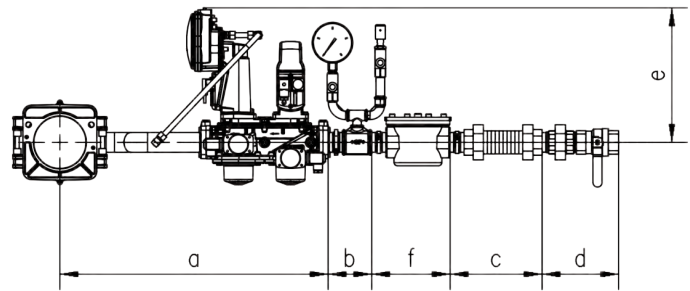
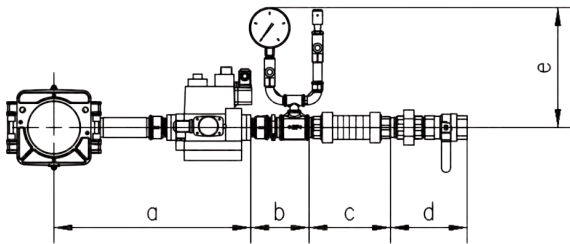
Motor: 1.1 kW



MG10

KEV407 3/4" | KEV300 1" | KEV412 1 1/2"

KEV11 1 1/2"

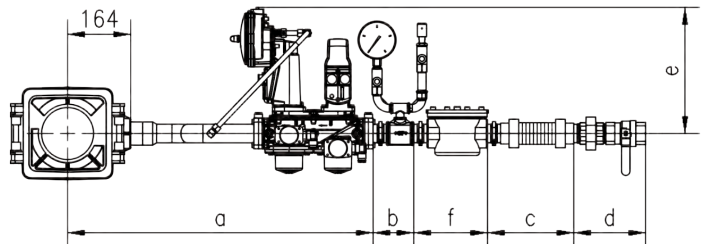
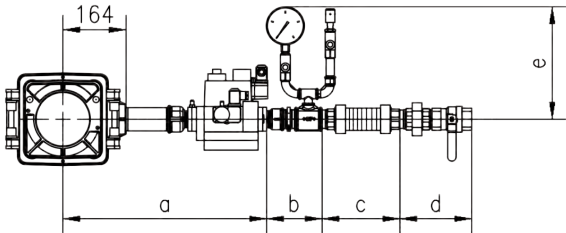


Dimension	KEV407 3/4"		KEV300 1"		KEV412 1 1/2"		KEV11 1 1/2"	
	MG10/1	MG10/2	MG10/1	MG10/2	MG10/1	MG10/2	MG10/1	MG10/2
a Compact unit	approx. 390	approx. 420	approx. 375	approx. 405	approx. 485	ca. 515	approx. 655	ca. 685
b Pressure gauge/test burner	approx. 150		approx. 180		approx. 150		approx. 106	
c Compensator	approx. 150		approx. 140		approx. 200		approx. 225	
d Ball valve	approx. 140		approx. 160		approx. 190		approx. 290	
d Ball valve/TAS	approx. 165		approx. 200		approx. 240		approx. 240	
e Height	approx. 280		approx. 285		approx. 290		approx. 330	
f Gas filter							approx. 190	

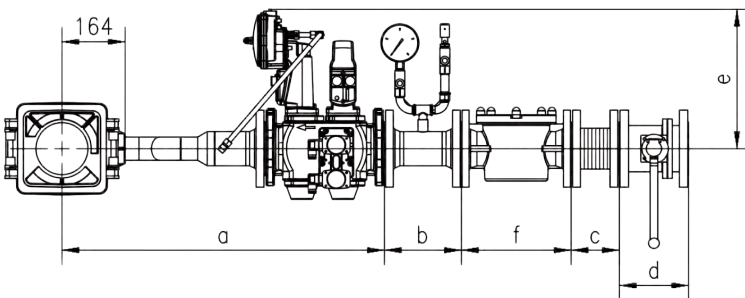
MG20

KEV300 1" | KEV412 1 1/2"

KEV2 1/2" | KEV 2"

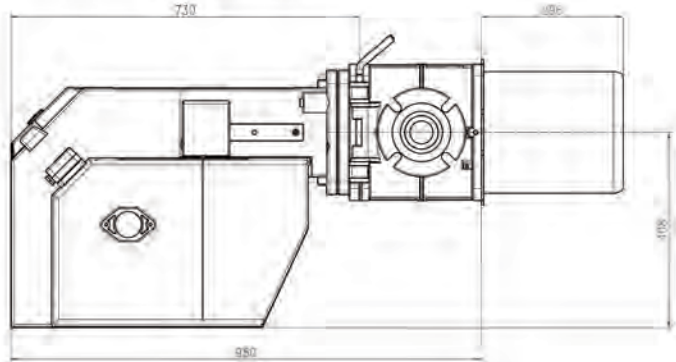
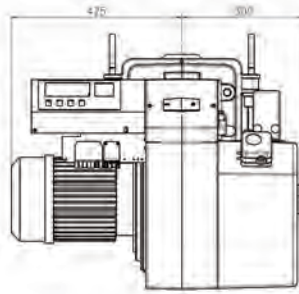


KEV DN65 | KEV DN80



Dimension	KEV300 1"	KEV412 1 1/2"	KEV11 1 1/2"	KEV 2"	KEV DN65	KEV DN80
a Compact unit	approx. 480	approx. 580	approx. 790	approx. 750	approx. 785	approx. 840
b Pressure gauge/test burner	approx. 185	approx. 150	approx. 106	approx. 120	215	200
c Compensator	approx. 150	approx. 200	approx. 225	approx. 250	110	125
d Ball valve	approx. 160	approx. 190	approx. 190	approx. 130	170	180
d Ball valve/TAS	approx. 190	approx. 240	approx. 240	approx. 190	290	310
e Height	approx. 285	approx. 290	approx. 330	approx. 330	approx. 360	approx. 360
f Gas filter			approx. 190	approx. 200	245	285

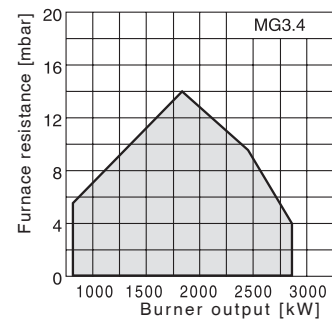
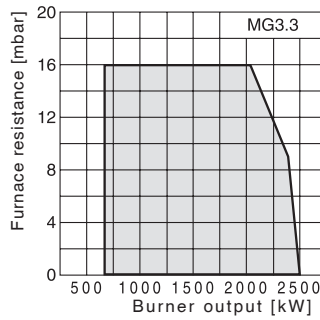
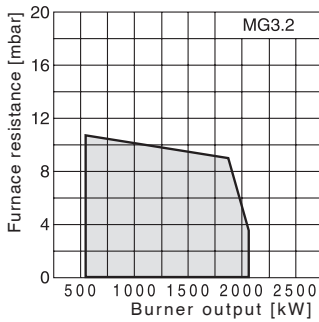
MG3



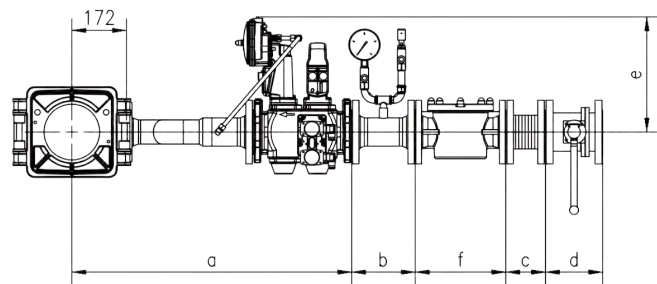
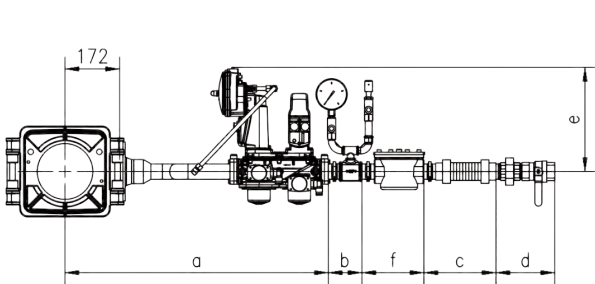
MG3

Burner output:
 Mode of operation:
 two-stage modulating with motor direct-starter
 two-stage modulating with star-delta-starter

455 - 2800 kW
 Electrical connection 10 A: 3/N/PE ~ 50 Hz 400 V
 Motor: 4.0 kW



Gas ramps MG3



Dimension	KEV11 1 1/2"	KEV 2"	KEV DN65	KEV DN80	KEV DN100
a Compact unit	approx. 830	approx. 860	770	885	935
b Pressure gauge/test burner	approx. 106	approx. 120	215	200	205
c Compensator	approx. 225	approx. 250	110	125	150
d Ball valve	approx. 190	approx. 130	170	180	190
d Ball valve/TAS	approx. 240	approx. 190	290	310	350
e Height	approx. 330	approx. 330	approx. 360	approx. 360	approx. 380
f Gas filter	approx. 190	approx. 200	245	285	340

MK2 | MK3



Fully automatic dual-fuel monoblock gas burner, approved in accordance with EN 676 and EN267.

Optional control on the type of output control in oil, for two-stage and, in gas mode, for two-stage progressive and modulating modes of operation. Suitable for burning fuel oil and natural gas (version -N). Burner for liquid gas (version -F) or other gases on request.

Burner with microprocessor-controlled automatic burner control system for intermittent operation to control and monitor all burner functions, forced shutdown within 24 hours eBus databus connection with integrated leakage check of the gas valves.

Remote-control burner selection or manual operation at the burner. Switchover from modulating to two-stage progressive mode of operation via internal jumper and option of installing a modulating output control directly into the burner control panel.

Burner tested with flame and wired with an 11-pin connector in accordance with DIN 4791. Burner unit with swivel mechanism, three-phase motor, flanged oil pump with coupling or separate oil pump unit, optical monitoring of the air flap drive for guaranteed repetitive accuracy of the set positions of 0.3 degrees.

Gas connection possible on left and right. Incl. seals and burner fastening material.

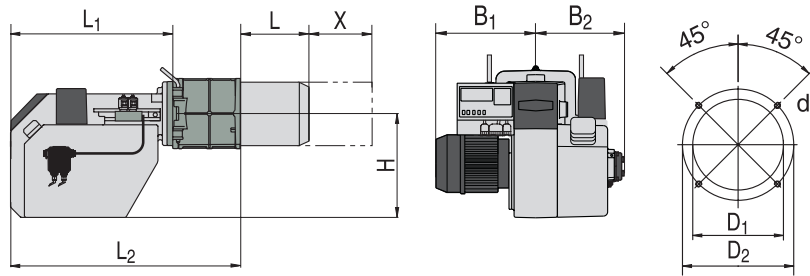
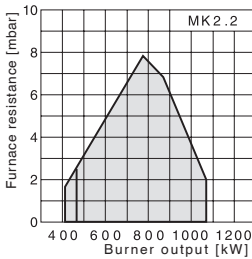
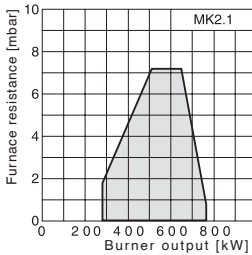
MK2

Burner output:

Mode of operation:
two-stage modulating with oil pump at burner
two-stage modulating with sep. oil pump assembly

280 - 1070 kW

Electrical connection 20 A: 3/N/PE ~ 50 Hz 400 V
Motor: 1.1 kW



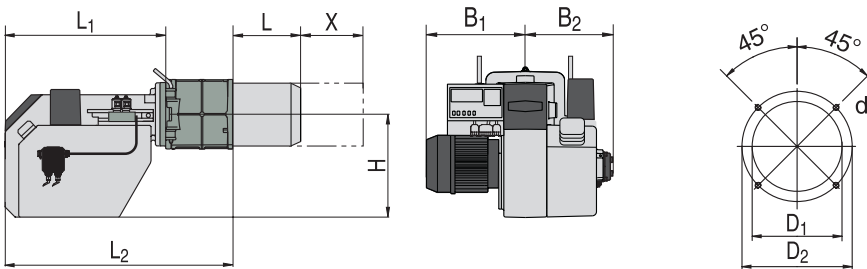
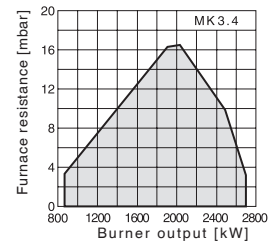
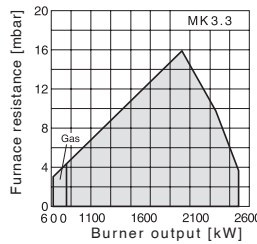
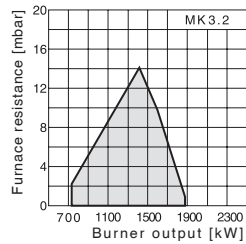
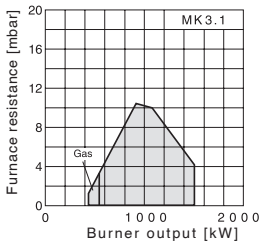
MK3

Burner output:

Mode of operation:
two-stage modulating with oil pump at burner
two-stage modulating with sep. oil pump assembly

441 - 2705 kW

Electrical connection 20 A: 3/N/PE ~ 50 Hz 400 V
Motor: 3.0 kW





Enertech GmbH
Giersch / Electro_Oil
Adjutantenkamp 18
58675 Hemer
Phone +49 (0) 2372/965-0
Telefax +49 (0)2372/61240
info@giersch.de | www.giersch.de

The best address for your heating needs

Subject to technical changes / 08.14 / Article number 72-10-58100-GB
Printed in Germany / Enertech GmbH