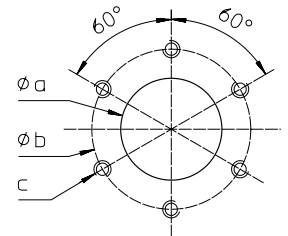


**Description**

- Two-stage progressive pneumatic and low NOx class 3 in gas and three stages in oil dual fuel forced draught burner.
- Fuels:
  - natural gas, net calorific value 8,83 ... 10,53 kWh/m<sup>3</sup>,
  - light oil, viscosity 6 mm<sup>2</sup>/s at 20°C, low calorific value 11,86 kWh/kg.
- Maximum heat power: 2 850, 3 700, 4 000 and 4 600 kW.
- Minimum / maximum power ratio: ¼ in gas and 1/3 in oil.
- Air / gas ratio with pneumatic control technology in gas.
- Two combustion head lengths.
- Escargot type architecture:
  - Optimal accessibility,
  - Simplified maintenance,
  - Separated motor-pump,
  - Preserved burner head adjustments.
- Closing of the air flap on burner shut-down.
- Gas train factory assembled and tested for tightness and electrical security.
- Complete electrical equipment in a switch cabinet mounted on the burner with control panel.
- Three-phase electrical power supply.
- Protection level IP 51.
- Maximum working temperature 60°C.
- In compliance with the EN 676 standards and European Guidelines such as:
  - Gas appliances 93/68/EEC
  - EMC 89/336/EEC
  - Low voltage 73/23/EEC
  - Efficiency 92/42/EEC

**Connecting flange**

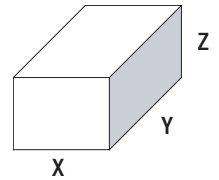
Ø a (mm)	b (mm)	c	d
360	430	M12	60°



**Packaging**

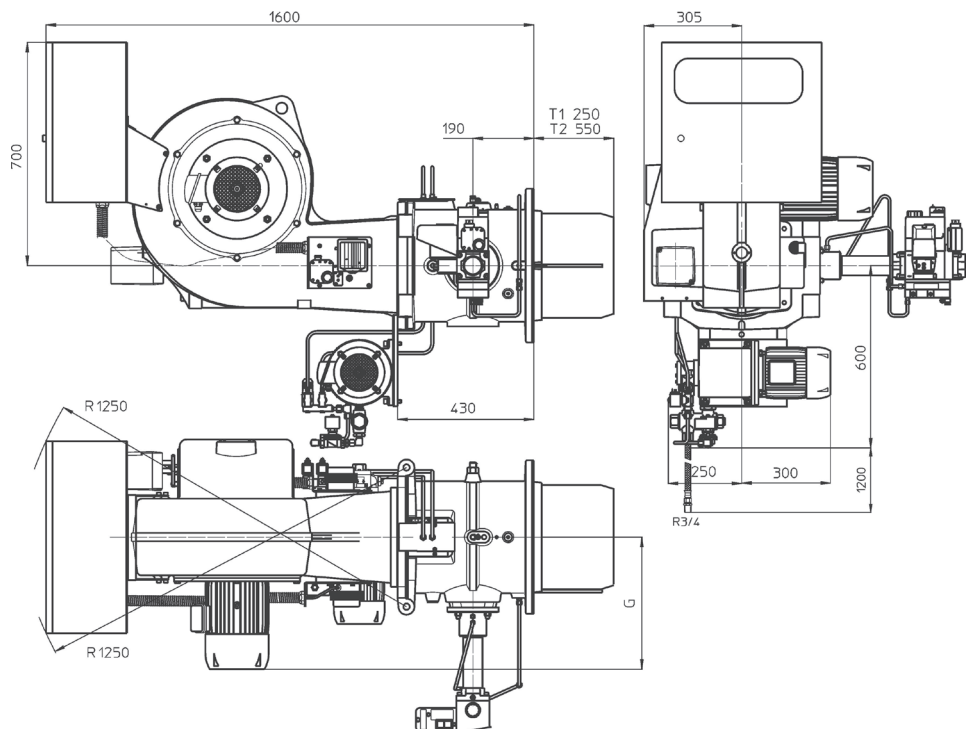
The burner is delivered complete with:

- Gas train
- Hoses and nozzles,
- Boiler fixing accessories,
- Directions for use including electrical diagram, exploded view & spare parts list.



	Dimensions (mm)			Gross weight (kg)
	X	Y	Z	
Body	132	122	95	178 ... 204
Combustion heads KL	108	55	50	110 ... 112
	KN	108	55	101

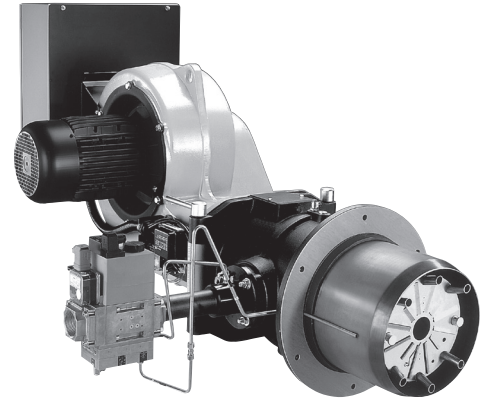
**Dimensions**



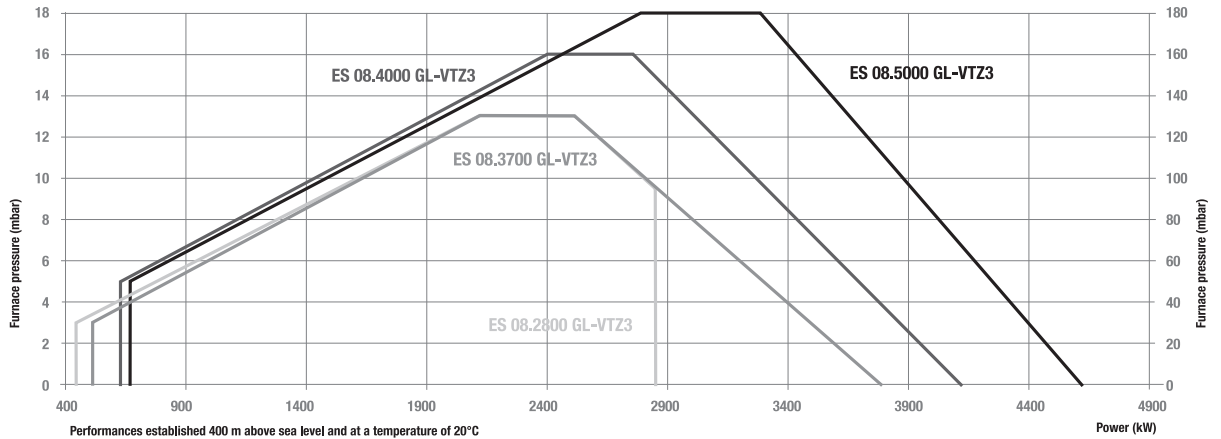
Type	Cote G (mm)
ES 08.2800 GL-VTZ3 1"1/4	395
ES 08.3700 GL-VTZ3 DN80	395
ES 08.3700 GL-VTZ3 DN65	395
ES 08.3700 GL-VTZ3 2"	395
ES 08.4000 GL-VTZ3 DN65	425
ES 08.4000 GL-VTZ3 2"	425
ES 08.5000 GL-VTZ3 DN65	480
ES 08.5000 GL-VTZ3 2"	480

# Dual fuel ES 08 GL-VTZ3

Range: ES 08.2800 GL-VTZ3,  
 ES 08.3700 GL-VTZ3, ES 08.4000 GL-VTZ3,  
 ES 08.5000 GL-VTZ3  
 500 ... 4600 kW  
 2 stages progressive pneumatic in gas (Low NOx)  
 3 stages in oil



## Working fields



## Characteristics and equipment

Type	ES 08.2800 GL-VTZ3	ES 08.3700 GL-VTZ3	ES 08.4000 GL-VTZ3	ES 08.5000 GL-VTZ3
Operating range	500 - 2850 kW	500 - 3700 kW	600 - 4000 kW	700 - 4600 kW
Gas train and nozzle	According to gas pressure and requested power			
Fuel flow	49 ... 279 m <sup>3</sup> /h	49 ... 363 m <sup>3</sup> /h	59 ... 392 m <sup>3</sup> /h	69 ... 450 m <sup>3</sup> /h
Control box	LFL 1.33			
Fan motor	2800 rpm - 230/400 V 50 Hz - 4 kW	2800 rpm - 230/400 V 50 Hz - 4 kW	2800 rpm - 230/400 V 50 Hz - 5,5 kW	2800 rpm - 230/400 V 50 Hz - 11 kW
Pump	NVBGRPIC			
Order-No	KN	on request		
	KL	on request		

## Options

Counter face plate	13 018 500
Speed-controller	3 832 693
	4TT 3 832 694
	5,5TT 3 832 695
	7,5TT 3 832 696
	11TT 3 832 697

## Basic spare parts

Ignition transformer	13 016 677
Ignition electrode	
Baffle plate	ES 08.2800 GL-VTZ3
	ES 08.3700 GL-VTZ3
	ES 08.4000 GL-VTZ3
	ES 08.5000 GL-VTZ3
Control box	13 016 388
Flame detector	13 015 690

## Order N°

ES 08.2800 GL-VTZ3 1"1/4	on request
ES 08.3700 GL-VTZ3 DN80	on request
ES 08.3700 GL-VTZ3 DN65	on request
ES 08.3700 GL-VTZ3 2"	on request
ES 08.4000 GL-VTZ3 DN65	on request
ES 08.4000 GL-VTZ3 2"	on request
ES 08.5000 GL-VTZ3 DN65	on request
ES 08.5000 GL-VTZ3 2"	on request