

EL02/03B ...



FEATURES :

- blown-air fuel-oil burner with mechanical atomization
- monobloc structure
- combustion tube, fastened on the front wall of the generator by a sliding clamp
- sound-proof air box
- ergonomic design allowing easy access to inner components
- support plate of components removable for maintenance
- adjustment of air on pressure side
- closing of air shutter in stopping condition by return spring or hydraulic control
- 1 or 2 pressure stage pump with solenoid valve(s)
- hoses for fuel feed, 1.2 m long with G3/8" adjustment couplings supplied
- complete electrical wiring with connection by 7-pole plug and 4-pole connector for the 2- rate types
- 2800 rpm motor
- single-phase power supply 230 V / 50 Hz / 3.A (60Hz on request)
- LOA 24 control box
- quick removal of cabinet support
- flame control by removable photoresistive cell
- removable protective hood

60 to 350 kW

ELCO burners in the EL02/03B range are fully automated blown-air burners.

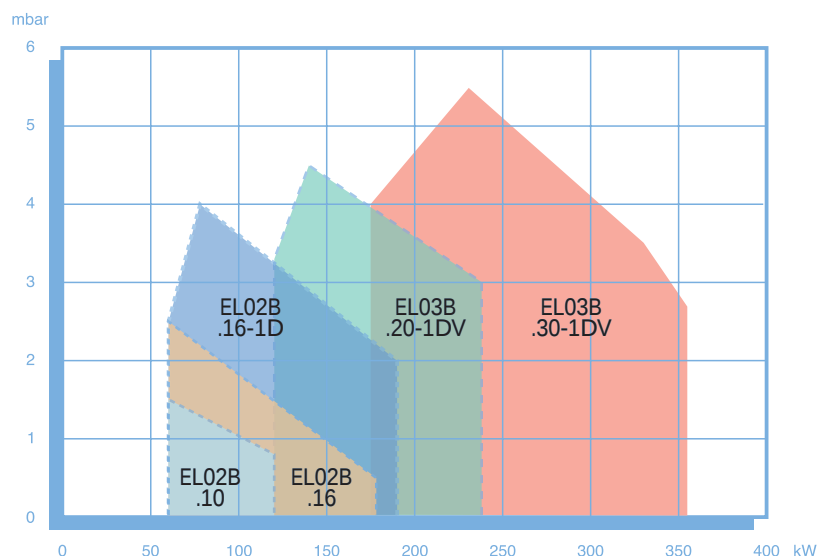
They meet the applicable requirements of EN267, EN60335, EN55014, EN55104 standards.

Burners in the EL02/03B series fit all heating equipment, thanks to pressure adjustment and air flow devices.

EL02/03B burners enjoy low-level noise, as a result of the optimized configuration of the ventilation and insulated air box.

Both the combustion elements and internal parts are easily accessible, without prior removal of the fuel piping, simply by turning round the support plate of the components.

The EL02/03B range includes the various modes of control and operation types matching most applications.



OPERATING MODES

Available types of operation:

1-STAGE STANDARD

On-off operation according to the demand of the boiler thermostat.

2-STAGE STANDARD

High-low operation by changing atomization pressure of fuel-oil according to the control demand of boiler.

2-STAGE LOW NOx

Moving combustion head optimized to cut down nitrogen oxides emission to the air by 30% or so.

EL02/03B... PROGRAMME

Type	Power range kW	Fuel-oil flow rate kg/h	Operating mode	Penetration mm	Head diameter mm
EL02B.10	59 - 120	5 - 10	1-stage	30 - 240	90
EL02B.16	59 - 178	5 - 15	1-stage	30 - 240	110
EL02B.16-1D	59 - 189	5 - 16	2-stages	30 - 240	110
EL02A.70-1DO	35 - 73	3 - 6.1	2-stage low NOx	50 - 190	90
EL02A.100-1DO	54 - 129	4.6 - 10.9	2-stage low NOx	50 - 190	110
EL03B.20 H	94 - 237	8 - 20	1-stage	80 - 300	130
EL03B.20 V	94 - 237	8 - 20	1-stage hydraulic closure	80 - 300	130
EL03B.30 H	178 - 355	15 - 30	1-stage	80 - 300	150
EL03B.30 V	178 - 355	15 - 30	1-stage hydraulic closure	80 - 300	150
EL03B.20-1DV	94 - 237	8 - 20	2-stages	80 - 300	130
EL03B.30-1DV	118 - 355	10 - 30	2-stages	80 - 300	150
EL03.180-1DO	88 - 174	7.4 - 15.5	2-stage low NOx	80 - 270	110
EL03.250-1DO	100 - 238	8.5 - 20	2-stage low NOx	80 - 270	140