



## 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.*

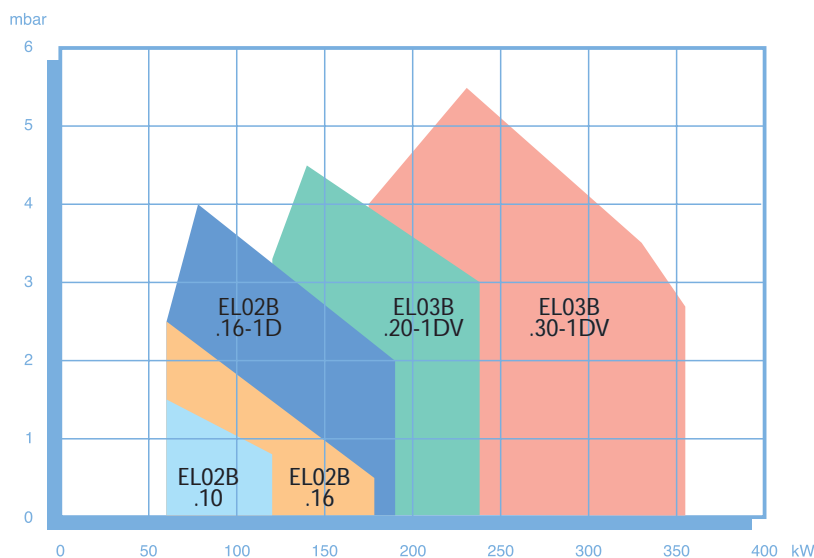
*They meet the applicable requirements of EN267, EN60335, EN55014, EN55104 standards.*

*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.*



# ELCO EL02/03B...

## 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