

Burners

CODE 3514010

BT 100 DSPG 50HZ



Diesel burner. Mechanical operation at two progressive stages

Continuous modulation operation by installing P.I.D. controller in the control panel (to be ordered separately with modulation probe).

Modulation ratio 1:2.

Regulating combustion air and blast-pipe.

Combustion air intake with throttle damper. Air flow adjustment with mechanical cam.

Fully closing air damper on shutdown to avoid loss of heat through the chimney.

Maintenance facilitated by the possibility of removing the combustion head without having to remove the burner from the boiler.

Sliding boiler coupling flange to adapt the blast-pipe to the various types of boilers.

Fuel supply circuit made of gear pump with pressure adjustment, shut-off valves and safety valve

Atomisation unit with magnet to control the outlet/nozzle return pins.

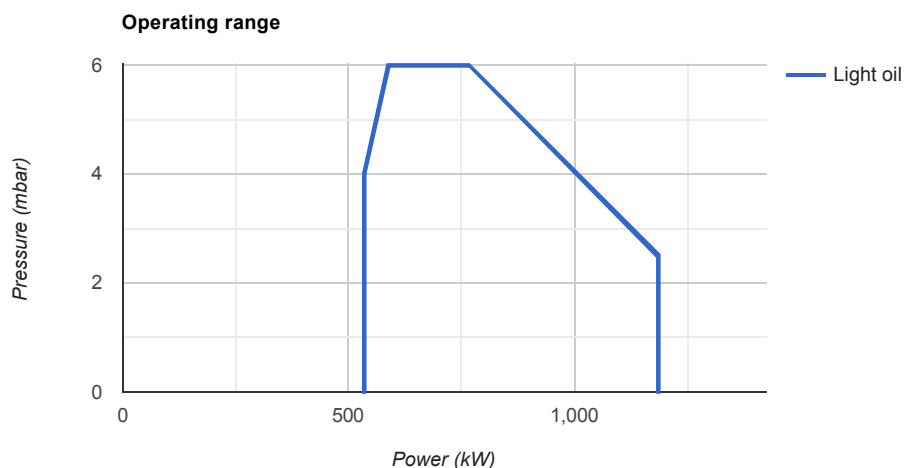
Flame detection by photoresistance.

Terminal board for the electric and thermostatic connections to the burner.

Terminal board for second stage operation or for the connection of the PID electronic regulator.

Electric protection rating:

Operating range



Technical data

Tipo articolo

Diesel burner. Mechanical operation at two progressive stages

Funzionamento modulante

Continuous modulation operation by installing P.I.D. controller in the control panel (to be ordered separately with modulation probe).

Rapporto Modulazione	Modulation ratio 1:2.
Regolazione aria e testa	Regulating combustion air and blast-pipe.
Regolazione aria	Combustion air intake with throttle damper. Air flow adjustment with mechanical cam.
Chiusura aria	Fully closing air damper on shutdown to avoid loss of heat through the chimney.
Fuel	Gasolio
Operation	Modulante Meccanico
Minimum Thermal Power (kW) to ErP	533
Maximum Thermal Power (kW) to ErP	1186
Min flow rate (Sm³/H)	45
Max flow rate (Sm³/H)	100
Manutenzione facilitata	Maintenance facilitated by the possibility of removing the combustion head without having to remove the burner from the boiler.
Max Viscosity (°E)	1.5
Flangia	Sliding boiler coupling flange to adapt the blast-pipe to the various types of boilers.
Circuito combustibile	Fuel supply circuit made of gear pump with pressure adjustment, shut-off valves and safety valve
Gruppo polverizzatore	Atomisation unit with magnet to control the outlet/nozzle return pins.
Controllo fiamma	Flame detection by photoresistance.
Morsettiera	Terminal board for the electric and thermostatic connections to the burner.
Morsettiera	Terminal board for second stage operation or for the connection of the PID electronic regulator.
Protezione elettrica	Electric protection rating:
Electric power supply type	AC
No. of Phases	3N
Power Supply Voltage (V)	400
Power Supply Frequency (Hz)	50
Fan Motor Power (kW)	1.5
Weight without packaging (kg)	102.8
Weight with packaging (kg)	160
Width (mm)	1730
Depth (mm)	1030
Height (mm)	880