
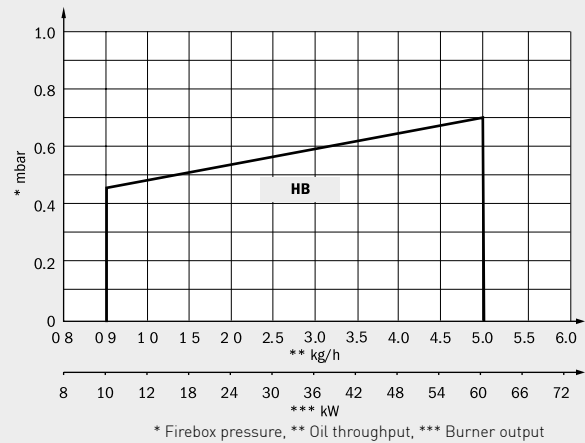
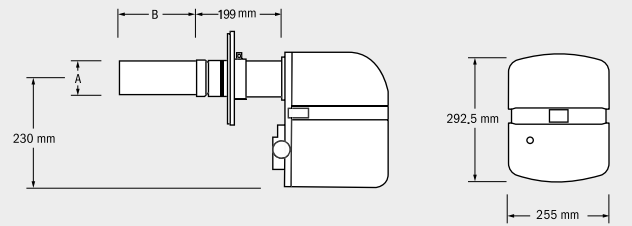


## Series HB Oil burner



13 - 56 kW

 Blue-flame burner 1-stage with oil preheater and recirculation mixer. Suitable for low-sulphur oil.



### Series HB oil-fired forced draught burner

Series HB oil-fired forced draught burners are characterised by very quiet running and environmentally friendly combustion. They are tested and approved to EN 267, EMPA, suitable for burning EL heating oil to DIN 51603 with max. 6.0 cSt/293 K (50 °C).

With a built-in oil preheating system, uniform fuel temperature and optimum atomisation of the fuel is ensured. A LowNox precision mixer ensures low-contaminant combustion with blue flame and easy but exact setting of the oil-air mix ratio. An optimised, high-performance fan ensures reliable starting and stable combustion. The intake and discharge end air control enables precise air flow adjustment, including in the lower output range. Furthermore, the practical maintenance positions and variable installation depth by means of a standard sliding flange ensure easy handling.

The specially developed air intake sockets enable room sealed operation too, if necessary.

Model	HB 21	HB 40.1	HB 40.2	HB 50
Burner output range	13 - 26 <sup>1)</sup> kW	24-32 kW	31-40 <sup>2)</sup> kW	42 - 56 <sup>3)</sup> kW
Oil nozzle (Steinen) fitted in the factory	ST 80° 0.40gph	ST 80° 0.50gph	ST 80° 0.60gph	ST 80° 1.00gph
Burner output set in the factory	21 kW	28 kW	32 kW	50 kW
Power consumption	approx. 185 W	approx. 185 W		approx. 360 W
Mains connection	230 V / 50 Hz	230 V / 50 Hz		230 V / 50 Hz
(A) Flame tube diameter	90 mm	90 mm	120 mm	120 mm
(B) Flame tube length	160 mm	160 mm	199 mm	190 mm
Weight	13.7 kg	13.7 kg		14.3 kg
Order number	1000040	1000042	1000041	1000044

1) 13kW - 18kW with Steinen oil nozzle MST 80° 0.30gph / 23kW - 26kW with Steinen oil nozzle ST 80° 0.50gph

2) 35kW - 40kW with Steinen oil nozzle S 80° 0.75gph

3) 42kW - 47kW with Steinen oil nozzle S 80° 0.85gph

Options	Additional charge/€
Hot air type*	
Additional charge for secondary venting**	

\* with LM 044 automatic burner control for operation on a hot air heater

\*\* with LM 064 automatic burner control (30 s overrun time)