

# HYDRAULIC POWER UNITS



## Depending on the number of preheaters, we offer four options of hydraulic power units:

- BM PS-9 HYDRAULIC POWER UNIT, which is suitable for powering one preheater only.
- BM PS-13 HYDRAULIC POWER UNIT, which is suitable for under floor mounting.
- BM PS-15 HYDRAULIC POWER UNIT, which is suitable for powering one with a higher capacity than 1100 L (4840 lbs) or sets of two preheaters.

## BM PS-9

7.0 kW (9HP) at 3600 rpm. Air-cooled 1-cylinder diesel engine. 83 L (22 gal) diesel oil tank with level control and diesel oil filter.

4,5 cm<sup>3</sup>/rpm hydraulic pump with safety valve. Capacity 11 L/min v. 2400 rpm. 66 L (17, 5 gal) hydraulic oil tank with filter.

Alternator 12 V DC/55 Amp. Engine foundation with vibration absorbers. Noise level @ 7m distance ≈ 68 dbA

## BM PS-13

9,6 kW (13 HP) at 3000 rpm. Air cooled 1-cylinder Hatz Silent Pack. Diesel engine type ID81C. No diesel oil tank.

8 cm<sup>3</sup> hydraulic pump with safety valve. 66 L hydraulic oil tank with filter.

Alternator 12 V DC/350 watt. Engine foundation with vibration absorbers. Noise-level @ 7 m. approx. 72 dBA.

## BM PS-15

9.5 kW (13 HP) at 3600 rpm. Watercooled 2-cylinder diesel engine. 83 L diesel oil tank with level control and diesel oil filter.

2x4,5 cm<sup>3</sup>/rpm hydraulic pump with safety valve. Capacity 2x11 L/min v. 2400 rpm. 66 L (17, 5 gal) hydraulic oil tank with filter.

Alternator 12 V DC/55 Amp. Engine foundation with vibration absorbers. Noise level @ 7m distance ≈ 73 dbA

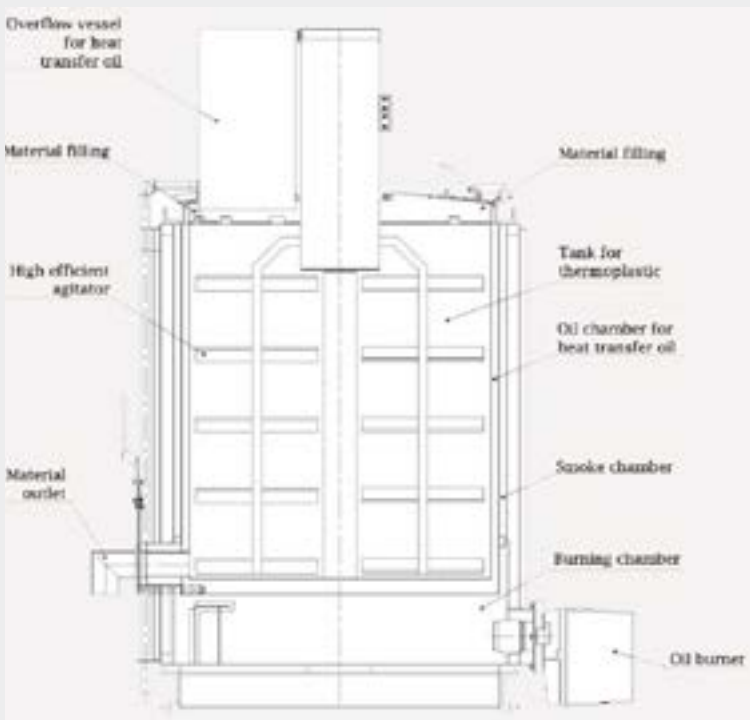
# EFFICIENT PREHEATERS WITH DIRECT OR INDIRECT HEATING

available in various capacities



Borum thermoplastic preheaters are melting, heating and mixing the thermoplastic material making it ready for application via the road marking machine. They are provided either as a directly heated (D) or indirectly heated (ID).

The preheaters are equipped with efficient mixer arms and 50 mm heat insulation, which ensure uniform heating of the material. You also have a possibility to manually select the direction of rotation for better mixing of the material.



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The preheaters are also equipped with a thermostat for thermoplastic material temperatures from +50 to +250 °C (+122 to 482 °F)

Includes an integrated display showing actual thermoplastic temperature.

Diesel oil burner it supplied as standart.

**Direct heating (D):** The thermoplastic material is heated directly from the burner.

Standard capacities: 300 L, 500 L, 750 L, 1000 L (1320 lbs, 2200 lbs, 3300lbs, 4400 lbs)

**Indirect heating (ID):** The thermoplastic material is heated via thermal transfer oil in a separate chamber heated by the burner.

Standard capacities: 250 L, 400 L, 600 L, 800 L, 1100 L, 1600 L, 2500 L (1100 lbs, 1760 lbs, 2640 lbs, 4840 lbs, 7040 lbs, 11000 lbs)