

LP 100 DH Prepress Technology Baler



The 2-step pre-press technology

- 2-step prepress for power saving precompaction, adjustable for variable width of the feeding hopper.
- Ensures that the material always produces a constant counter pressure in the main press chamber.
- Up to 50 % lower energy consumption compared to a baler without prepress.
- No knives on the main ram, no risk for material jamming between knives and press plate.
- All of the press force utilized for material compaction.
- Increased volume capacity of the machine; the number of pre-pressing operations may be determined depending on the material to be baled.
- Guarantees an even density throughout the bale = square bales.
- Makes it possible to bale big size material without using a shredder.
- Makes it possible to bale most recyclables to dense, square bales.
- Low service and maintenance costs.

The baler

- Robust design with highest possible reliability.
- User and service friendly.
- Optimized bale size and big feed opening.
- Press chamber floor made of 25 mm high-tensile steel.
- Main press top and bottom with cam design for better sealing.
- Main press rolling on four heavy-duty wheels guided on wear rails mounted on the press bottom.
- Main press with sturdy wear blocks on sides and top.
- Heavy duty bearings for the pre-press shaft.
- Detection system of the pre-press position during operation to secure a safe interlock of inspection hatches and protection covers.

The hydraulics

- Main drive motor 2 x 45 kW (100 DH2) and 2 x 55 kW (100 DH4) with a double hydraulic pump system
- Oil level control system
- Oil temperature transmitter - oil temperature indicated on control panel screen
- Oil cooler
- Oil heater (optional)

The strapping

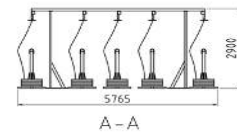
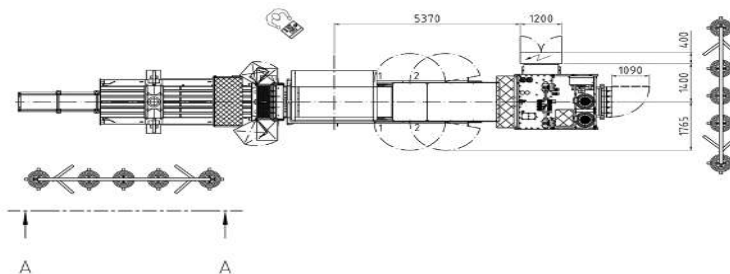
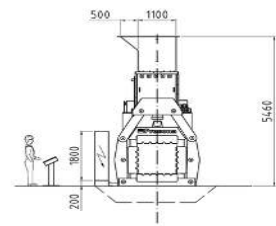
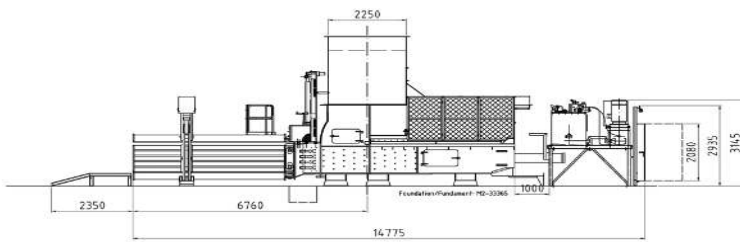
- Strapping system with five vertical needles.
- Simple and reliable twisting unit with an eccentric drive, service friendly, easy access.
- The number of twistings and twisting force adjustable for an optimized relation between wire consumption and stability of the ready bale.
- Very short pigtails (wire ends) - no waste of wire.
- Wire guiding system for big wire coils.
- An additional strapping unit with three horizontal wires for maximum bale weight when baling expandable materials (option).

The control system

- PREMI 2.0 HMI Interface system with a fixed Internet connection for operation control and monitoring, presetting of 20 baling programmes.
- Easy operation with a 12" colour Touch Screen
- Quick couplings for quick and safe installation
- A photocell system for baler and conveyor control

LP 100 DH Dimensions

Presona[®]



Subject to alterations / Änderungen vorbehalten

| Technical Data | | LP 100 DH2 | LP 100 DH4 |
|-----------------------------------|-------------------|------------------|------------------|
| Theoretical volume capacity | m ³ /h | 780 | 960 |
| Max volume capacity | m ³ /h | 450 | 550 |
| Weight capacity* | t/h | 11 - 25 | 13 - 32 |
| Feed opening L x W | mm | 2050/1000 x 1100 | 2050/1000 x 1100 |
| Bale size H x W (Length variable) | mm | 750 x 1100 | 750 x 1100 |
| Bale weight | kg/m ³ | 500 - 725 | 500 - 725 |
| No. of vertical strapping wires | | 5 | 5 |
| Press force pre-press | t | 50 | 50 |
| Press force main press | t | 100 | 100 |
| Specific pressure | N/cm ² | 120 | 120 |
| Max oil pressure | Bar | 250 | 250 |
| Oil tank capacity | Litres | 2000 | 2000 |
| Electric motor | kW | 2 x 45 | 2 x 55 |
| Oil cooler | kW | 3,0 + 1,5 | 3,0 + 1,5 |
| Machine weight | t | ~ 35 | ~ 35 |

* At a material pre-bale density of 30 - 100 Kg/m³

Performance rates and bale densities are subject to moisture, material pre-bale densities, feed rate and other variables when baling.

As part of our continuous product development, specifications are subject to change without notice.