LP IIO CH S Prepress Technology Baler

The baler

- Robust design with highest possible reliability.
- User and service friendly.
- Optimized bale size and big feed opening.
- Unique pressure control of friction channel by means of two heavy duty pulling cylinders.
- All exposed zones in high-tensile steel.
- Press chamber floor in 20 mm high-tensile steel.
- Exchangeable high-tensile steel plates in press chamber and friction channel (option).
- Friction channel in compact design for reduced wastage.
- Main press top and bottom with cam design for better sealing.
- Main press rolling on four heavy-duty wheels guided on wear rails.
- 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 pre-press technology

- 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 hydraulics

- Main drive motors 2 x 45 kW (CH2S) and 2 x 55 kW (CH4S) 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)

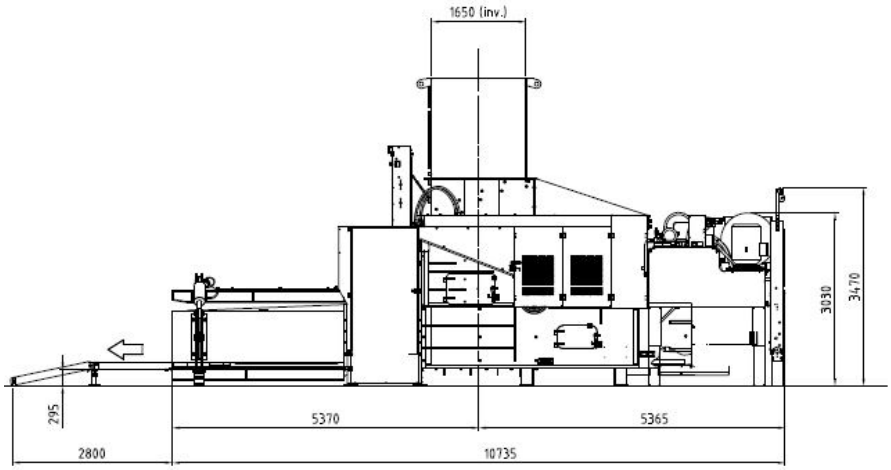
The strapping

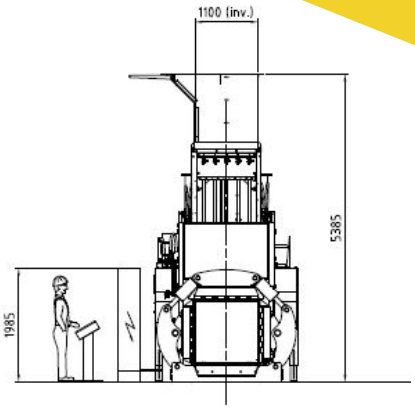
- Strapping system with five vertical needles.
- Simple and reliable twisting unit with an eccentric drive, service friendly, easy access.
- The number of twistings and twisting force adjustable for an optimized relation between wire consumption and stability of the ready bale.
- Very short pigtails (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 PET bottles and other expandable materials (option).

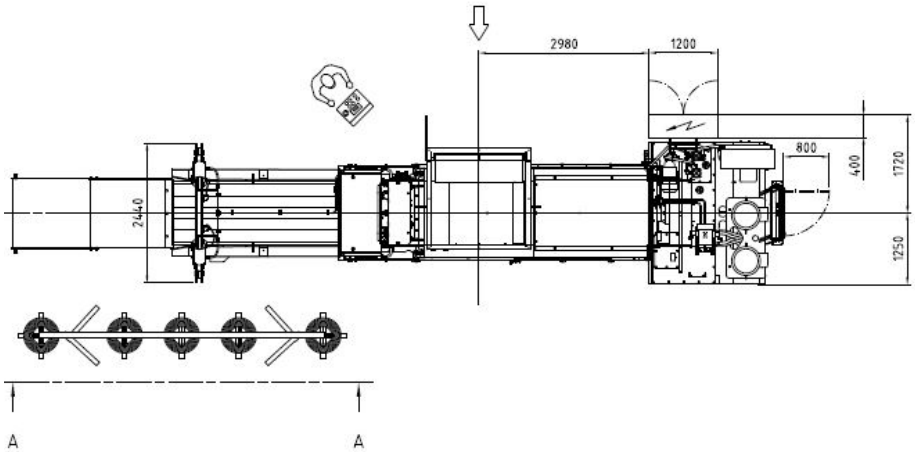
The control system

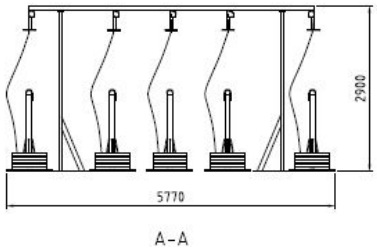
- PREMI 2.0 HMI Interface system with a fixed Internet connection for operation control and monitoring, presetting of 20 baling programmes.
- Easy operation with a 12″ colour Touch Screen
- Quick couplings for quick and safe installation
- A photocell system for baler and conveyor control

LP 110 CH S Dimensions









Technical Data		LP 110 CH2S	LP 110 CH4S
Theoretical volume capacity	m³/h	1350	1540
Max volume capacity	m³/h	660	800
Weight capacity*	t/h	15 - 34	19 - 41
Feed opening L x W	mm	1650 x 1100	1650 x 1100
Bale size H x W (Length variable)	mm	1100 x 1100	1100 x 1100
Bale weight	kg/m³	475 - 650	475 - 650
No. of vertical strapping wires		5	5
Press force pre-press	t	54	54
Press force main press	t	110	110
Specific pressure	N/cm²	90	90
Max oil pressure	Bar	270	270
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	~ 30	~ 30

* 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.

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