



**ecopress**  
RECYCLING EQUIPMENT

# EHB S100 | AUTOMATIC BALER | MODEL

**ECOPRESS Pro** Auto tie Machine baler presses



**ECOPRESS Pro Auto tie Machine balers** has been developed in many areas for over 20 years. Wide model range of Ecopress PAM baler can suit and adopt efficiently to different capacity purposes. It depends on characteristics of the input material: density, composition, volume, size, moisture, etc. The production of the baler (tons per hour) considering different input densities is indicated in attached technical specification sheet. This data is only as a reference. For estimating the production the customer should take in to account that the baler needs some daily maintenance (cleaning) as indicated in the instruction manual and also feeding the machine properly.

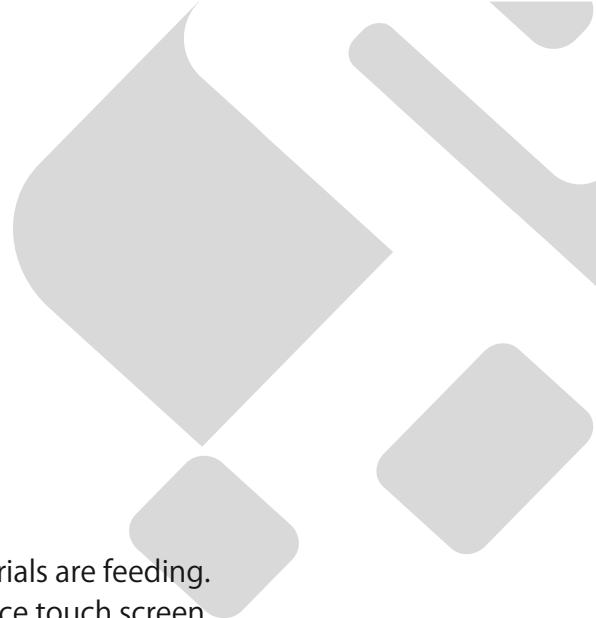
## GENERAL OPERATION

Baling - there are two pairs of sensors placed in the hopper of the baler for controlling the feeding operation located at the bottom. When the sensors of the bottom are activated the baler starts the compaction cycle, when those sensors are not activated the baler is in stand-by waiting for more material. The cycle starts when the ram moves forward introducing (compacting) the material inside the chamber and going back to the initial position. For making a bale the machine needs various cycles, depending on the desired bale density.

**ECOPRESS Pro Auto tie Machine balers** conform to Health & Safety and CE requirements of EU Directives 2006/42/EC, 89/392EEC, 91/368EEC, 93/44EEC, 93/68EEC on the safety of machinery and equipment and German accident prevention regulations.



**ecopress**  
RECYCLING EQUIPMENT



## FEATURES

- Low Energy Consumption
- Automatic shut down the machine / sleeping mode if no materials are feeding.  
This time frame can be changeable from the operator interface touch screen.
- Safe and easy usage.
- Counter of number of bale made in a day and life of the baler also number of hours operation in life of the baler.
- Long life Low Noise (60 dB).
- Bale table / Bale exit tray.
- Two shaft pet perforator will be fitted in the top of hopper of the baler. If baler press the carton or plastic Pet- perforator comes out automatically from the hopper and if baler press PET , that time pet perforator moves inside the hopper to perforate the pet before falling in the baler hopper.
- Reliable Constriction.
- Availability of a set of quickly wearing parts during the warranty period and after production at least 10 years.
- Touch Screen 7" PLC Control
- 3 set Hopper sensor to sense the level of the hopper feed.
- Continuous Feed Baler
- Automatic Wire Tie
- Machine comes with bale counter and info feed to PLC how much bale has been created
- Live pressure shows on the PLC
- Colour coding system for different materials in the operation system
- Pre define pressure settings system for different materials
- Hour counter, overloading, emergency stop, door open warning system are available
- A set of maintenance tools will be provided for the machine
- Automation package in feed management system
- Body shear blade/adjustable cutting knives in replaceable
- Hopper view door
- Free-standing operator centre
- Automation switch-off when filling is not in process
- Compaction chamber floor Replaceable HARDOX 450 plates.
- Push plate line and top of the push plate made with replicable HARDOX 450
- Machine automation troubleshoot is possible through laptop over internet.
- Special electronic security device for inspection and access door. ( Magnetic coded two way device ).
- The loading hopper is equipped with service door.
- Replacable moving and fixed knife.
- Emergency shutdown of equipment when the level falls and the oil temperature rises.



## TECHNICAL INFORMATION

General Performance Specifications	
Main Motor Power	1 x 37 kW
Bale Size (width x height x length)	1100 mm x 750 mm x variable bale length mm
Main RAM Cycle Time	20 sec (When hopper is empty)
Oil Tank Capacity	1400 liters
Press Capacity at 50kg/m <sup>3</sup>	Up to 7 ton/hour (depends on feeding)
Bale Weight	Up to 700 kg/bale
Total Force	Max 99 tons

Dimensional Specifications	
Hopper Opening	1700 mm x 1020 mm
Machine Length	8740 mm
Machine Width	4420 mm
Machine Height	4270 mm
Machine Weight	~ 9.500 kg

Electrical Specifications	
Main Voltage	400 Volt – 3 phase – 50 Hz
Control Voltage	24 Volt DC
Programmable Controller & Operator Interface	DELTA/FATEK PLC & 7" Touch Screen Color Display
Components	Brand : Schneider Germany

Hydraulic Specifications	
Power Pack Type	High Flow Hydrological Manifold
Pump System	Variable Displacement Piston Pump (Brand: <i>Kawasaki England</i> )
Hydraulic Hoses	Dunlop or equivalent R9 Hoses
Power Pack Location	Backside of Hydraulic Unit
Oil Level Indicator	✓
Oil Temperature Indicator	✓
RAM Structure	Sliding Quadrant



## PET PERFORATOR (Optional)

Pet Perforator Specifications	
Teeth	Changeable hardness knives
Motor Power	2 x 2.2 kW
Moving Inside The Hoper (sliding system)	✓
* Machine Length, Width & Height	Changeable data

\*Changeable data

## BALER FEEDING CONVEYOR

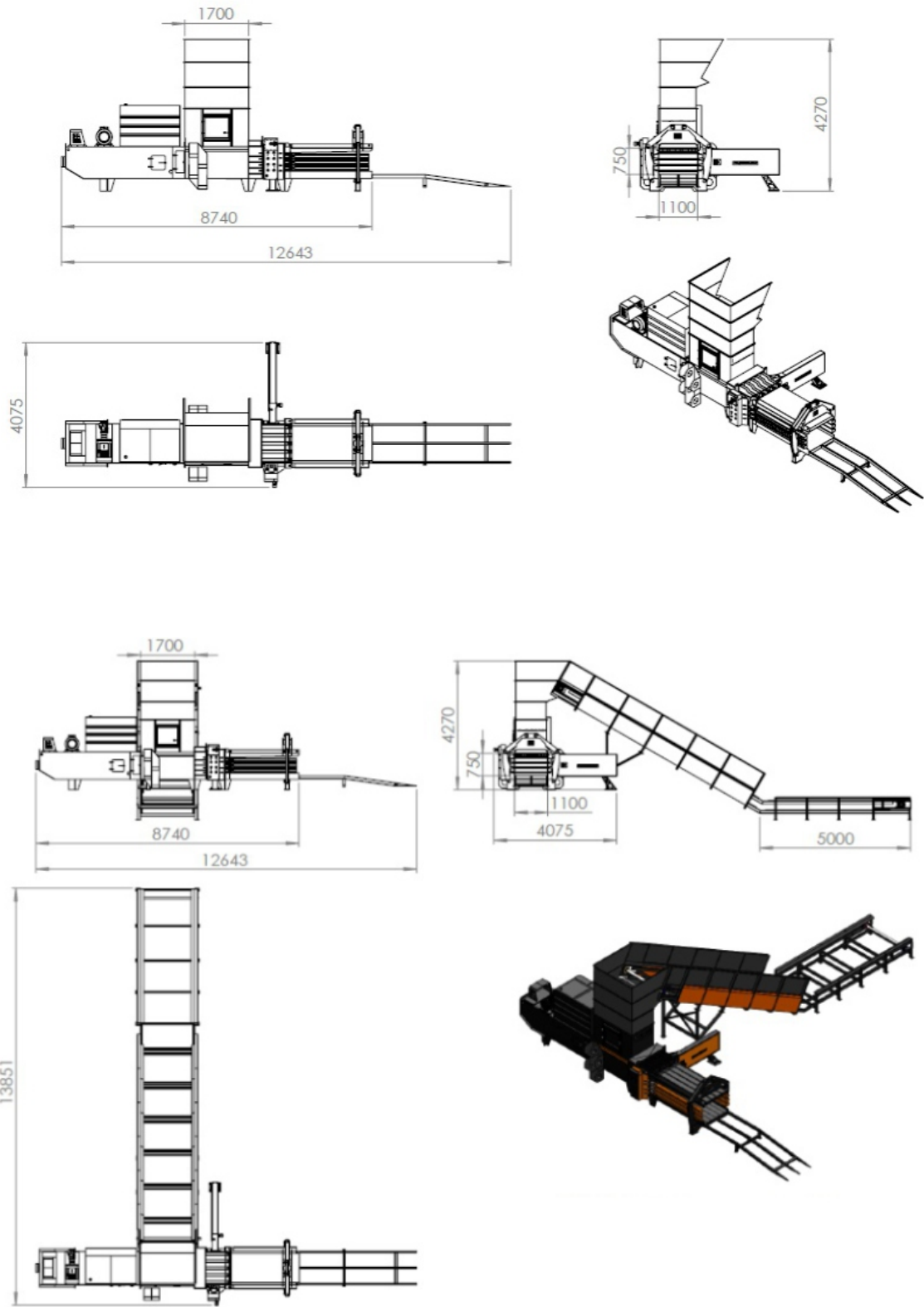
Baler Feeding Conveyor Specifications	
Bevel Gear Box Type	5.5 kw Motor with heavy duty using bevel gear box
Conveyor Belt Type	V-Type Heavy Duty
Pallet Type	Steel Pallet
Overload Warning and Automation Stop Feature	✓
Conveyor Width (wall to wall – inside)	1700 mm
Conveyor Length	13000 mm
Underground Distance	5000 mm
Incline Distance	8000 mm







**ecopress**  
RECYCLING EQUIPMENT



**Ecopress Waste Systems OÜ**  
Osmussaare tn 8  
13811 Tallinn  
Harjumaa, Estonia  
[www.ecopress.ee](http://www.ecopress.ee)