



# PRISMA 4000 / 5000

## Square Balers



*The perfect timing baler!*



FACTORY ITAPIRA, SP



FROM BRAZIL TO ALL CONTINENTS OVER 50 COUNTRIES



FACTORY SÃO JOÃO DA BOA VISTA, SP

Hay Equipment line  
JF, the solution for the farmer!



# HAY EQUIPMENT LINE

With its own technology, **JF PRISMA 4000** and **JF PRISMA 5000** balers have great technical and operational advantages. They produce bales with precise density and dimensions, perfect look and resistant for reliable handling and storage.

Perfect in picking up, pressing, knotting and counting, JF balers produce compact and uniform bales from several types of forage like oat, alfafa, ryegrass, wheat straw, soya and rice straw among others.

It is also a great option for baling rice straw remaining after the harvest, featuring specific tires and auxiliary rims, this technology avoids mud from accumulating during the operation and allows working directly in the rice fields after the harvest.

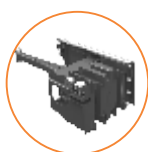
Note: Please contact your dealer in order to know which itens are standard and optional.



Pick-Up de 1,73m (Prisma 5000)



Nosador alemão Rasspe



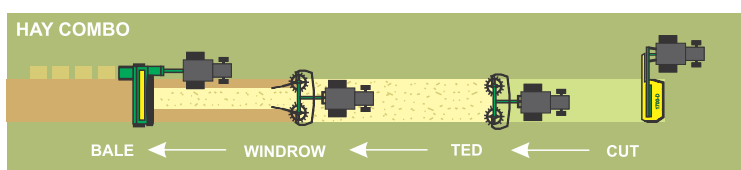
Pistão de alta velocidade 100 golpes/min



Transmissão por engrenagens e eixo



JF Prisma 5000



**Technical Description:** Balers JF Prisma 4000/5000 for picking up, pressing, tying and counting bales for several forage crops, powered by tractor PTO, featuring triple overload protection system (Prisma 5000); double overload protection system (Prisma 4000), pick-up with support wheel for absorbing impacts, hydraulic cylinder for adjusting the height of pick-up, two automatic knotters operating with sisal or synthetic twines, bale tying in the end of operation, twine ball container, 1,73m Pick-Up (Prisma 5000), 1,50m Pick-Up (Prisma 4000), driven by strong cardan shaft, pick-up, press and knotting systems driven by gear transmission and torsion shafts without chain or belt (Prisma 5000), high speed compression plunger (100 strokes/min) on sealed beared, plunger running on trails, German knotting system Rasspe, bale tying with sisal, synthetic, self-deflecting feeding forks, device with 4 springs to avoid bale return, cardan with slipping clutch, knotter frame with brake, bale lifting tray to discharge directly on trucks and trailers (optional). For capacity, required revolution and recommended power at PTO, please check technical features section of this brochure.

| TECHNICAL FEATURES            | JF Prisma 4000               | JF Prisma 5000               |
|-------------------------------|------------------------------|------------------------------|
| Power source                  | tractor PTO                  | tractor PTO                  |
| Bale lenght                   | 50 to 100 cm                 | 50 to 120 cm                 |
| Pick-up width                 | 1,50m                        | 1,73m                        |
| Weight (without lifting tray) | 1200 kg                      | 1460 kg                      |
| Required power at PTO         | 35 hp                        | 35 hp                        |
| Capacity <sup>1</sup>         | 400 to 600 bales/h (average) | 400 to 600 bales/h (average) |
| Twine box capacity            | 4 balls                      | 8 balls                      |
| Required revolution at PTO    | 540 RPM                      | 540 RPM                      |
| Cross section of bale         | 30 x 40 cm                   | 36 x 46 cm                   |
| Knotter technology            | Rasspe automatic (Germany)   | Rasspe automatic (Germany)   |
| Feeder fork transmission      | shaft / chain                | gears                        |
| Knotter transmission          | chain                        | gears                        |
| Pick-up transmission          | chain                        | gearbox / cardan             |
| Plunger transmission          | chain                        | gearbox / cardan             |
| Plunger speed                 | 100 strokes/min              | 100 strokes/min              |

<sup>1</sup>The productivities are average evaluations obtained during test conditions and may vary according to the product humidity degree, specific weight and working conditions.

## Advantages

- Prisma 5000: 1,73m pick-up driven by a strong cardan shaft with high capacity for receiving forage mass, including maize straw. It allows to process big windrows save work time and fuel. This more uniform flow of forage mass results also in bales with more accurate density and tying.
- Prisma 5000: Perfect synchronism with transmission made by gears and torsion shafts, without chains and without belts. It drives the pick-up, packing and knotting systems in perfect synchronism. The lowest maintenance in its class and it allows to take full advantage of tractor power.
- Prisma 4000/5000: High speed compression plunger (100 strokes/minute) slides smoothly on sealed bearings consuming less power due to less friction between plunger and the trails. This results in higher speed of bale compression and machine displacement. It's more productivity, less hours worked and lower fuel consumption.
- Prisma 4000/5000: Reliable German technology Rasspe knotter: Simple and of easy operation, the Rasspe knotter assures precision in tying the bales with natural (sisal) and synthetic twines. The perfect tying is essential for a handling without loss, easy storage and protection of forage quality.
- Prisma 4000/5000: Self deflecting feeder fork that when overloaded the it deflects automatically and keeps the system in constant functioning, balanced and synchronized with the pick-up and compression plunger. This delivers a perfect feeding flow without unnecessary stops and makes JF Prisma the most productive in its class.



The technical data and images are only for guidance purposes. In an effort to provide products that meet customer needs, JF reserves the right to update them at any time without prior notice.

JF Máquinas Agrícolas

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