

## BAJAJ CONEAGLE MODEL 9300 UP-PACKING PRESS

### 3 Capacity Versions 50, 60 and 80 Bales Per Hour



A Signode bale strapping unit is shown. Other types of bale strapping systems are available by customer choice.

### 50-60-80 BPH

- The 9300 Press is the Industry's only-fiber bale press capable of pressing 80 universal density bales per hour.
- Designed to operate with several optional plastic and wire bale strapping systems.
- Trampler speeds up to 20 strokes per minute.



The BAJAJ CONEAGLE Model 9300 up-packing fiber bale press is capable of pressing 50 to 80 universal density bales per hour. The standard 9300 press has a capacity of 50 bales per hour with the standard 1200 gallon hydraulic pumping unit (305 connected HP) and one 20 gallon rotator/lock hydraulic pumping unit (15 HP). An additional 400 gallon Booster pumping unit (135 connected HP) is required to produce 60 bales per hour. When the 9300 press is equipped with an optional high speed pumping and tramping / Pusher system this press has consistently run at speeds of 75 to 80 + bales per hour.



An 18 inch diameter x 121 inch stroke lower ram and a 12 inch diameter x 44 inch stroke upper ram are used to compress the lint cotton into a universal density bale. The force output of the lower ram is approximately 636 tons (577 metric tons). The force output of the upper ram is approximately 200 tons (181 metric tons). The 9300 press is equipped with a hydraulic pusher and trampler. The hydraulic pusher feeds lint cotton into one press box and the hydraulic trampler vertically packs the cotton charge into the box at speeds of up to 20 strokes per minute. A hydraulic rotator motor rotates the press boxes 180 degrees for further packing of the lint cotton by the press rams into a universal density bale.



The 9300 press may be operated in an automatic or semi-automatic mode. In the automatic mode, the press operates fully automatic when an automatic bale tying device is used. If the press is used in a semi-automatic mode the press operator pushes the ram down button on the press console to initiate the bale eject sequence after manual bale tying is finished. Press operations are controlled by a Programmable Logic Controller (PLC) in the press console. The control console contains the control electronics, press systems monitoring indicators, and controls for all operations of the press.

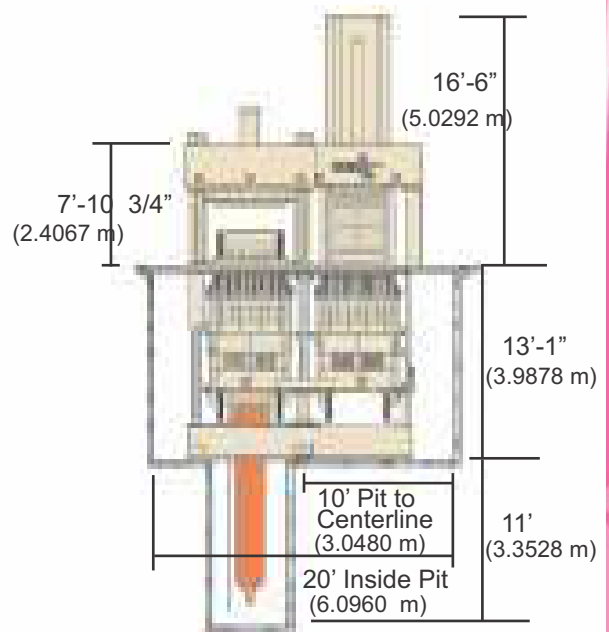


Hydraulic power for operation of the Model 9300 is supplied by electric motor driven pumps installed on one or two reservoirs. The primary reservoir for the mid capacity presses holds 1200 gallons of hydraulic oil. The optional booster pump unit holds 400 gallons of hydraulic oil. Piston and vane pumps supply oil to hydraulic control blocks for distribution to the pusher/belt feed, trampler, upper and lower rams circuits. The main pumping units are interconnected in one hydraulic tank. The reservoirs have removable service doors located on the tank top. A visual oil level gauge is provided on each reservoir. The tank interiors are baffled and braced to separate intake ports from return ports. A separate gear pump with a dedicated oil reserve supplies oil to the rotator, and box unlock circuits. Each pumping unit utilizes a dedicated filter/cooler pump that pumps oil through a screw-on type filter to either an oil/air or and oil/water cooler.

# BAJAJCONEAGLE MODEL 9300 UP-PACKING PRESS

## Weights: (Approximate) 9300

<b>Press (Complete)</b>	: 89,300 lbs. (40506 Kgs.)
<b>Upper Beam</b>	: 11,060 lbs. (5016 Kgs.)
<b>Lower Beam</b>	: 15,900 lbs. (7211 Kgs.)
<b>Upper Ram</b>	: 2,900 lbs. (1315 Kgs.)
<b>Lower Ram</b>	: 9,900 lbs. (4490 Kgs.)
<b>Lower Box</b>	
9300 Press "20"X41"	: 11,900 lbs. (5490 Kgs.)
9300 Press "20X54"	: 12,070 lbs. (5474 Kgs.)
<b>Upper Follower Block</b>	
9300 Press "20X41"	: 2,100 lbs. (954 Kgs.)
9300 Press "20X54"	: 2,330 lbs. (1057 Kgs.)
<b>End Column</b>	: 3,420 lbs. (1551 Kgs.)
<b>Center Column Assembly</b>	: 3,450 lbs. (1565 Kgs.)
<b>Ram Casing</b>	: 5,715 lbs. (2592 Kgs.)
<b>Pusher</b>	: 2,840 lbs. (1288 Kgs.)



Basic Dimensions

## 9300 Technical Specifications - 60 BPH

<b>Type</b>	: 20X54 in. Universal Density, Strip Box Press
<b>Capacity</b>	: Maximum 80+ bales per hour (with optional equipment)
<b>Lower Ram</b>	: 18 in. dia X 121 in. Stroke. Maximum force output approximate 636 tons
<b>Upper Ram</b>	: 12 in. bore X 8 1/2 in. rod X 58 in. stroke Maximum force output approximate 200 tons
<b>Tramper Cylinder</b>	: 6 in. bore X 4 in. rod X 132 in working stroke
<b>Pusher Cylinder</b>	: 2 1/2 in bore x 1 3/4 in rod x 54 in working stroke.
<b>Belt Feeder</b>	
Motor RPM	: 360-400
Pump Displacement	: 5.4 cu.in/rev. (88.5 cu./rev)

<b>Main Press Pumping Unit</b>	: 1200 gallons (4540 liters)
Pump Motors	: 100 Hp, 230/460 v, 3ph
#1 Press Booster	: 100 Hp, 230/460 v, 3ph
Tramper / Pusher	: 100 Hp, 230/460 v, 3ph
Pump / Filter Unit	: 5.4 Hp, 230/460/380 v, 3ph ( 60 Hz Motors = 1800 rpm)
Pumps	: Vane and Piston
Hydraulic Tank	: 1200 gallons (4540 liters) removable top service doors
<b>Booster Pumping Unit</b>	: 400 gallons (1513 liters)
Pump Motors	: 100 Hp, 1800 rpm, 230/460 v, 3ph
#2 Press Booster	: 100 Hp, 230/460 v, 3ph
#2 Tramper Booster	: 100 Hp, 230/460 v, 3ph
Pump/Filter Unit	: 5.4 Hp, 230/460/380 v, 3ph ( 60 Hz Motors = 1800 rpm)
Pumps	: Vane and Piston
Hydraulic Tank	: 400 gallons (1513 liters) removable top service door

### Rotator / Unlocking Pumping Unit

Hydraulic Tank	: 20 gallons
Pump Motor	: 15 hp, 230/460v, 3ph
Pump	: 1.37 cu.in./rev (22.45 cu.cm./rev) Gear-Submerged

The 9300 was designed as a upgrade for the Continental 730 Press pit with minor foundation changes.



Rotator/Unlocking Pumping Unit

• All capacities are subject to cotton varieties. Conditions and personal. All designs. Specification and ratings are subject to change without notice.



Manufactured and Marketed By

**BAJAJ STEEL INDUSTRIES LIMITED**

IMAMBADA ROAD, NAGPUR- 440 018, INDIA  
Tel: +91-712-272 0071 ~ 80 Fax: +91-712-272 3068  
email : ceccsales@bajajngp.com / bsi@bajajngp.com  
website : www.bajajngp.com



**BAJAJ CONEAGLE LLC**

1900 Market St., Millbrook, AL 36054. USA  
Telephone: (334) 517-6139/40/41 Fax: (334) 571-6142  
email: sales@bajajconeagle.com  
website: www.bajajconeagle.com