

## Siemens 800 Tonnes Bucket Wheel Excavator

### [Inventory ID #187222]



- **Bucket wheel details:**
  - Diameter: 4400 mm. (14.44 feet)
  - No. of buckets: 8.
  - Volume: 250 l buckets.
  - Peripheral speed: 1.9 m / s.
  - No. of discharges: 65.6 min<sup>-1</sup>.
  - Capacity Phase I: 200 tonnes/hour.
  - Capacity Phase II: 800 tonnes/hour.
- **Operational driving:**
  - Type three-point support.
  - Distance (b/w rails): 8 m. (26.25 feet)
  - No. of rollers: 24.
  - No. of rollers (with a ribbon): 2 + 4.
  - No. of bicycles: 30.
  - No. of drive wheels 12.
  - No. of wheels (on machine): 12.
  - Diameter rollers: 630 mm. (2.07 feet)
  - Driving speed: 16 m / min.
  - Max. wheel pressure: 250 KN.
  - Reduction socket 4AZ 132 M-4 P = 7.5 kW, n = 1,450 min<sup>-1</sup>, IP 54, B3, P = 11 kW I = 62.4.
  - Set = 23 min<sup>-1</sup>.
  - Hydrodynamic clutch: EG-320.
  - Double jaw brake: EZ-250.
- **Plain line**
  - Spread (b/w rails): 8 m. (26.25 feet)
  - Rail Type A 75 or 60 U1C.
  - Max. along. slope: 0.3%.
  - Max. cross slope: 0.3%.
  - Tolerance b/w rails: ± 3 mm. (± .0098 feet)
- **Transporter of the lever**
  - Conveyor length: 36200 mm. (118.77 feet)

- Tape width: 1,000 mm. (3.28 feet)
- Belt speed: 2.5 m / s.
- Tilt wearing. rolls of 30 degrees.
- Quest diameter: 650 mm. (2.13 feet)
- **Cross conveyor**
  - Length: 3.3 m. (10.83 feet)
  - Width: 1000 mm. (3.28 feet)
  - Belt speed: 2.2 m / s.
  - Diameter: 400 mm. (1.31 feet)
  - Coating: rubber.
  - Tension drum diameter: 400 mm. (1.31 feet)
  - Coating: rubber coating.
  - Bore Dimater: 133 mm (.44 feet) rollers.
  - Tilt wearing: 30 degrees.
  - Gum strip: 5 EF 315 = 5, S1 / S2 = 4/2, and B= 1000 mm.
- **Drive conveyor**
  - Electric motor 4AZ 160 L-4 P = 15 kW.
  - n = 1,450 min-1, IP 54, B3.
  - Reduction: SAN 140.
  - P = 26 kW I = 12.5.
  - String = 120 min-1.
  - Hydrodynamic clutch 370-14 HS-EKD.
  - Dvo?eljjustna brake EZ 315 c.
  - Pusher EHT 80-60 F.
- **Cable Reels**
  - Cable drum power cable type LT 20/45 H4K 200-14 / 78 R10.
  - Cable drum signal cable type 24K60-12 18/38 N / 95M5.
- **Electronic belt weigher on the conveyor on the lever**
  - Electronic belt weigher Type EBW-M2-1000 B = 1000 mm. (3.28 feet)
  - Q = 800 tonnes/h, 0-20 mA.