



SPECIFICATIONS: ST100



Note: Optional equipment may be displayed



DESCRIPTION

Heavy duty mobile wheeled stockpiling conveyor with the following features:

- 900mm (36") wide heavy duty 100' long conveyor
- 55 kW (74 hp) diesel engine
- Road towable
- Air brakes, mud flaps, lights
- Large feed hopper
- Hydraulic folding for easy transport
- Fast on-site setup time (5 minutes)
- Abundant service room inside power-pack

DIMENSIONS AND WEIGHTS

Working Dimensions

| | |
|--------------|----------------------|
| Length | 31.95 m (104' – 10") |
| Width | 3.36 m (11' – 0") |
| Height | 12.43 m (40' – 9 ½") |

Transport Dimensions

| | |
|----------------------------|----------------------|
| Length | 22.41 m (73' – 6 ½") |
| Width | 3.33 m (10' – 11") |
| Height (approximate) | 4.12 m (13' – 6") |

Weight (approximate)..... 11 300 kg (25 000 lbs.)

CONVEYOR

| | |
|--------------------------------|---|
| Belt width..... | 900 mm (36") |
| Belt length | 30.48 m (100') drum centers |
| Belt spec | Heavy Duty Plain 36" – 3ply – 3/16 X 1/16 |
| Drive drum diameter | 355 mm (14") |
| Tail drum diameter | 304 mm (12") |
| Motor | Eaton VIS40 – 935 cc (57ci) |
| Flow rate | 142 lpm (37.5 US gpm) |
| Drive drum maximum speed | 152 rpm |
| Belt maximum speed | 167 m/min (548 ft/min) |

CAPACITIES

| | |
|-----------------------------------|---|
| Stockpile height..... | 12.57 m (41' – 3") |
| Stockpile capacity | 3599 m ³ (4707 yd ³) |
| Radial pile capacity at 90° | 12649 m ³ (16544 yd ³) |
| Production | 500TPH (standard) |
| Optional Production | 800TPH (maximum) |



POWERUNIT AND HYDRAULICS

| | |
|-------------------------------|---|
| Engine power | 55 kW (74 hp) |
| Engine speed | 2200 rpm |
| Flywheel Pump | Cast iron tandem (2.5/2.46/1.97 cu. In) |
| Total system flow | 189 LPM (50 US GPM) |
| Hydraulic tank capacity | 440 L (116 US gal) |
| Diesel tank capacity | 330 L (87 US gal) |
| Hydraulic Oil cooler | Yes |

STANDARD FEATURES

- External belt alignment points
- Ground level greasing on all pulley bearings
- Engine safety shutdown systems
- Full safety guarding for pinch points

OPTIONS

- Electric Drive
- Dual Power
- Belt Scale
- Spray Bar
- Chevron Belt
- Asgco Scraper
- Impact Idlers Under Hopper
- Magnet Material Separator
- Hydraulic Close Coupled Drive
- Anti-Segregation Paddle Wheel
- Auxiliary Guarding
- Hopper Wing Plates
- Hopper Wear Plate Liner
- Axle Jacks
- Landing Gear
- Powered Wheel Drive
- Hopper Extensions



