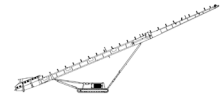


TECHNICAL SPECIFICATIONS

ST100T / ST100TR



Note: Optional equipment may be displayed



DESCRIPTION

Heavy duty mobile tracked stockpiling conveyor with the following features:

- 900 mm (36") wide heavy duty 100' long conveyor
- 55 kW (74 hp) T4F diesel engine
- On-site track mobility
- Large hopper
- Hydraulic folding frame for easy transport
- Fast on-site setup time (5 minutes)
- Abundant service room inside power-pack
- Adjustable hopper height to optimize operational efficiency

DIMENSIONS AND WEIGHTS

Working Dimensions

Length.....	31.56 m (103' – 6 ½")
Width	2.57 m (8' – 5")
Height	12.50 m (41' – 0 ½")

Transport Dimensions

Length.....	21.25 m (69' – 8 ½")
Width	2.57 m (8' – 5")
Height (approximate).....	3.44 m (11' – 4")

Weight (approximate).....	14 800 kg (32 600 lb)
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DIMENSIONS AND WEIGHTS – Lift Axle Option

Working Dimensions

Length.....	32.06 m (105' – 2")
Width	6.28 m (20' – 7")
Height	13.32 m (43' – 8 ½")

Transport Dimensions

Length.....	21.25 m (69' – 8 ½")
Width	2.84 m (9' – 4")
Height (approximate).....	3.44 m (11' – 4")

Weight (approximate).....	16 000 kg (35 000 lb)
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CAPACITIES

Stockpile height	12.4 m (40' – 7")
Stockpile capacity.....	3490 m ³ (4565 yd ³)
Production	500TPH (standard)
Optional production	800TPH (maximum)



CONVEYOR

Belt width	900 mm (36")
Belt length.....	30.48 m (100') drum centers
Belt spec.....	Heavy Duty Plain – 3ply – 3/16 X 1/16
Drive drum diameter	355 mm (14")
Tail drum diameter.....	304 mm (12")
Motor	Eaton VIS40 935 cc (57 cu.in)
Drive drum maximum speed	152 rpm
Belt maximum speed	170 m/min (557 ft/min)

POWERUNIT AND HYDRAULICS

Engine power.....	55 kW (74hp)
Engine speed.....	2200 rpm
Flywheel pump	Permco cast iron 64.5 cc (3.94 cu.in)
Total system flow.....	175 LPM (46.3 US GPM)
Hydraulic tank capacity	440 L (116 US gal)
Diesel tank capacity.....	330 L (87 US gal)
Hydraulic oil cooler	Yes

ELECTRICS

Start Siren.....	Yes (10 sec delay)
Engine shutdowns	<ul style="list-style-type: none">• Low oil pressure• High engine temp
Umbilical controlled tracks.....	Yes
Radio controlled tracks	Optional

TRACKS

Width	400 mm (1' – 3 3/4")
Length.....	4030 mm (13' – 2 1/2") centers
Height	600 mm (1' – 11 1/2")
Ratio	141 : 1
Motor	MAG 50
Speed max	1.2 km / hour
Flow rate.....	56 LPM (15.7 US GPM)
Attachment to chassis	Bolt-on for quick change

AXLE – LIFT AXLE OPTION

Reducer/Motor/Gearbox.....	CTD2051/SF-D/34.7
Lift cylinders.....	Ø 5" X 30" stroke
Tires.....	385/65R19.5 Outrigger (X2)
Thread	Off-road/Multi-purpose
Wheel drive.....	Hydraulic; optional remote



STANDARD FEATURES

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

OPTIONS

- | | |
|----------------------------|--|
| Dual Power | Hopper Extensions |
| Belt Scale | Anti-Segregation Paddle Wheel |
| Spray Bar | Auxiliary Guarding |
| Chevron Belt | Hopper Wing Plates |
| ASGCO Scraper | Hopper Wear Plate Liner |
| Impact Idlers Under Hopper | Landing Gear (Standard with Pivot Point on Lift Axle Machines) |
| Magnet Material Separator | TimBin - Large Hopper Bin (450tph) |
| Lift Axle | |

