

INTRODUCING THE ST80 WHEELED CONVEYOR



FEATURES

- Total weight 10500kg (23,100 lbs)
- Width 3m (10')
- Length (transport folded) 12m (39'1")
- Powerunit (optional) Diesel Hydraulic with CAT 2.2NA (38KW/50 HP) or Deutz D2011F (27.5kw/37HP)

ADVANTAGES

- Capable of handling up to 570 TPH.
- Quick set up time typically under 40 minutes.
- High performance hydraulic system.

APPLICATIONS

- Crushed stone
- Sand and gravel
- Coal
- Topsoil
- Wood chip

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All Specifications subject to change without prior notice

The ST80 is a mobile high capacity-stockpiling conveyor, which is strong and economical to run independently or as a coupling conveyor

The ST80 is versatile and can be used on its own or with other screening plants.

Its portability allows it to work in confined spaces and also where heavier conveyors would find it impossible to manoeuvre.

The ST80 consists of a radial wheel axle, feedboot, conveyor, powerunit (optional), has a hydraulic raise lower front ram and comes as std with Hydraulic folding head section. Complete with weld in Kingpin as standard.

Feedboot:

The feedboot directs the sand, gravel, coal etc. onto the conveyor belt.

Conveyor:

The main frame can be raised or lowered with a hydraulic cylinder giving alternate stockpiling heights. The conveyor belt can be either plain or chevron, 2 ply, 800mm (32"), 900mm (36") wide, or 1050mm (42") wide.

Radial Wheels:

The conveyor is mounted on two swiveling wheels to give radial stockpiling through an arc of approximately 180 degrees.

Drive:

- Self contained 50 H.P. CAT or 37HP DEUTZ diesel engine
- Electric motor.
- ST80 Conveyors can be easily coupled to any plant machinery with an auxiliary circuit.

Overall Dimensions:

| | |
|-----------------------------|------------------------|
| Maximum Stockpiling Height: | 10.22m (33'6") |
| Stockpile Capacity: | 1685cu m (2190cu yard) |

Engine:

CAT 2.2Na running at 2300 RPM developing 38 kW (50 HP) or
DEUTZ D2011F running at 2200 RPM developing 27.5kW (37HP)

HYDRAULICS:

Hydraulic Pump:

23cc

Hydraulic Motor:

Eaton OMV630

Control Valve:

Commercial KA18 at 207 Bar (3000 PSI)

Recommended Hydraulic Oil

0 Deg. C - 30 Deg. C ambient temp, Shell Tellus 46 (or equivalent)
+ 30 Deg. C ambient temp, Shell Tellus 100 (or equivalent)

Typical Operating Pressures:

Empty: - 29 Bar (400 PSI)

Increase in pressure per 100
Tonnes (112 U.S. Tons) per hour: - 29 Bar (400 PSI)

Conveyor Details:

Conveyor Belt: - 2 ply 800mm (32") wide
or
2 ply 900mm (36") wide
or
2 ply 1050mm (42") wide

Drums outside diameter: - 305mm (12")

Drum speed (max.) Empty: - 145 rpm
Full: - 135 rpm

Conveyor Belt Speed Empty: - 127 m/min (416 ft/min)
Full: - 119 m/min (390 ft/min)