

EDGE TRM831

Technical Specification



One of the largest mobile trommels available; the EDGE TRM831 offers high production rates with extensive stockpiling capacities thanks to its end discharge conveyor design and remote 180° radial fines conveyor.

With unrivalled production rates and numerous drum options, the EDGE TRM831 is ideal for a variety of applications such as top soil, recycling, composting and is proven in construction and demolition waste.

The TRM831 incorporates impressive design features such as the 180° Radial conveyor, unique load sensing hydraulic drive system, eco-power saving functionality and a user friendly HMI control panel enabling easy adjustment to suit a wide array of applications. A quick drum exchange is facilitated via the hydraulic sliding feeder, enabling operators to simply lift out the existing drum to be replaced with the various drum types available.

Like all EDGE products, the EDGE TRM831 can be customised to meet the customers exact operation requirements.

KEY HIGHLIGHTS

- 2.3m (7'7") X 9.3m (31') long drum provides excellent screening results.
- Highly efficient hydraulic drive system with Intelligent load sensing.
- HMI Control Panel provides easy fine tuning for accurate application performance.
- 180° Radial Conveyor creates impressive stockpile volumes.
- Innovative feeder design allows for easy drum removal and screen media exchange.



OPERATIONAL DIMENSIONS

Length:	31200mm (102'4")
Width:	3000mm (9'10")
Height:	5990mm (19'8")

TRANSPORT DIMENSIONS

Length:	20940mm (68'8")
Width:	3000mm (9'10")
Height:	4110mm (13'6")
Est. Weight:	37,000KG (40.78UST)

HOPPER DATA

Hopper Capacity:	12m ³ (15.7yd ³)
Minimum Feed In Height:	3270mm (10'9")
Maximum Feed in Height:	3980mm (13'1")

FEED CONVEYOR DATA

Belt Width:	1500mm (60")
Belt Type:	4Ply Plain
Belt Speed:	Variable

DRUM DATA

Drum Length:	9335mm (31')
Drum Diameter:	2315mm (8')
Drive System:	4 Wheel Friction Drive
Drum RPM:	0-25
Screening Angle:	4°-7°

COLLECTION CONVEYOR DATA

Belt Width:	1500mm (60")
Belt Type:	3 Ply Plain
Belt Speed:	Fixed

OPTIONS

Tier 3 Diesel / Hydraulic	Spiral Drum	Deflector Chute	Hopper wear liners
Tier 4 Final Diesel / Hydraulic	Punch Plate Drum	Vacuum Fan	Roller Guarding (Complete Conv.)
Direct Electric	Drum Knives	Overband Magnet	Central Auto-lube System
Different Bogie Configurations	Twin Deck Vibrating Live Head	Magnetic Head Drum	Grease Hoses
Electric / Hydraulic	Double Cleaning Brushes	Impact Bars - Feedboot	
Skeleton drum with Woven Mesh	Reject grid	Impact Rollers - Feedboot	

OVER-SIZE CONVEYOR DATA

Belt Width:	1200mm (48")
Conveyor Length:	7600mm (24'11")
Belt Type:	3 Ply Chevron
Belt Speed:	Variable
Max. Discharge Height:	3780mm (12'5")
Operating Angle:	5°-25°

RADIAL FINES CONVEYOR DATA

Belt Width:	1200mm (48")
Conveyor Length:	7600mm (24'11")
Belt Type:	3 Ply Plain
Max. Discharge Height:	5990mm (19'8")
Radial Angle:	180°
Operating Angle:	12° - 28°
Remote Functionality:	Remote control 180° swivel

POWERUNIT DATA

STAGE V / Tier 4 Final:	CAT C4.4 Acert 140Kw (188HP)
Hydraulic Tank Capacity:	1240 Litres (328USG)
Fuel Tank Capacity:	504 Litres (133USG)

CHASSIS DATA

Axle Format:	Tri-axle Bogie 60116F axle
Tyres:	385/65 R22.5
Brakes / Suspension:	Air brakes controlled by an RE6 relay emergency valve / Mechanical Ultra underslung suspension