



TRIDENT
MINING SYSTEMS

TRIDENT M-510 *TRANSMIXER*

TECHNICAL SPECIFICATIONS



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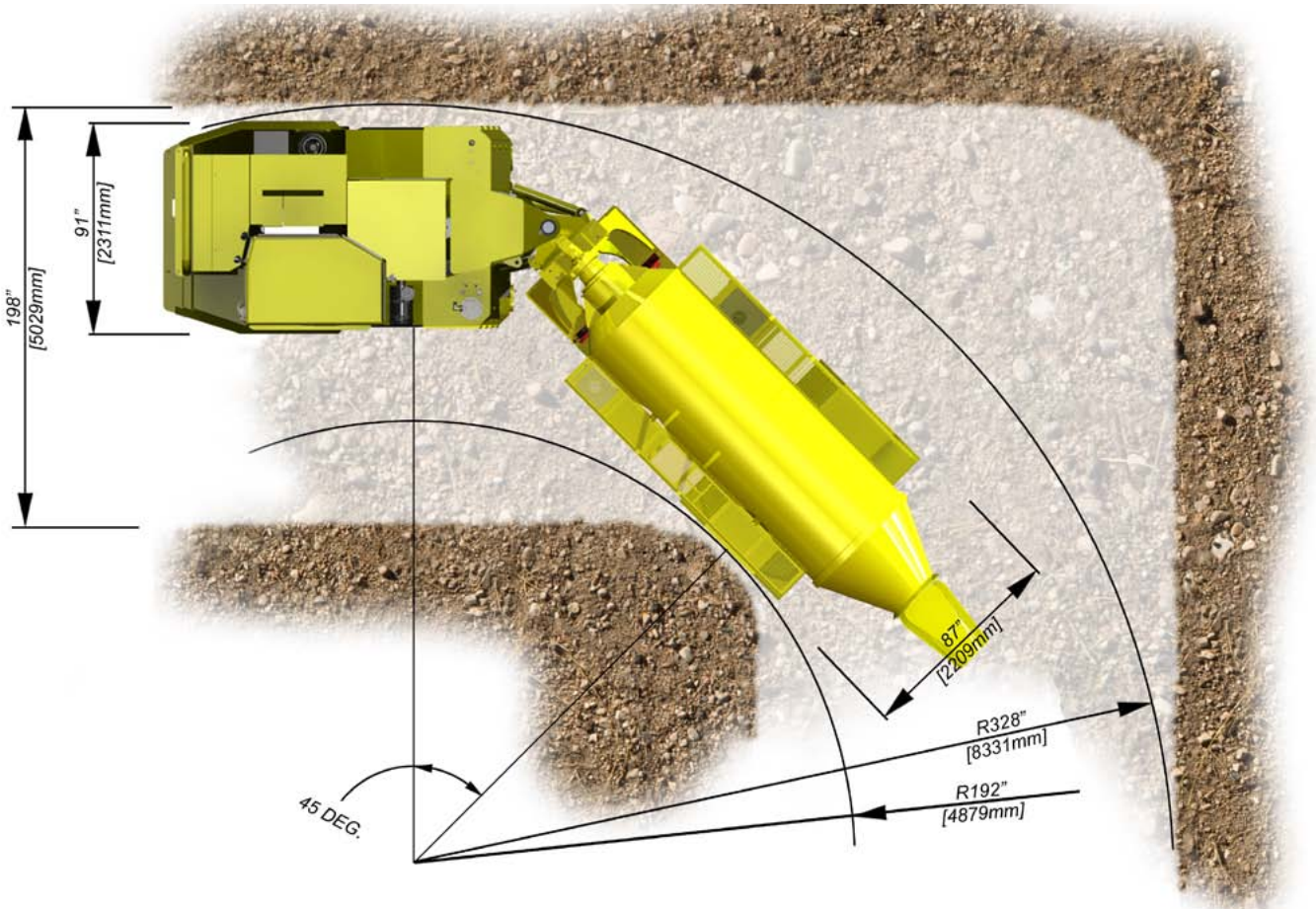
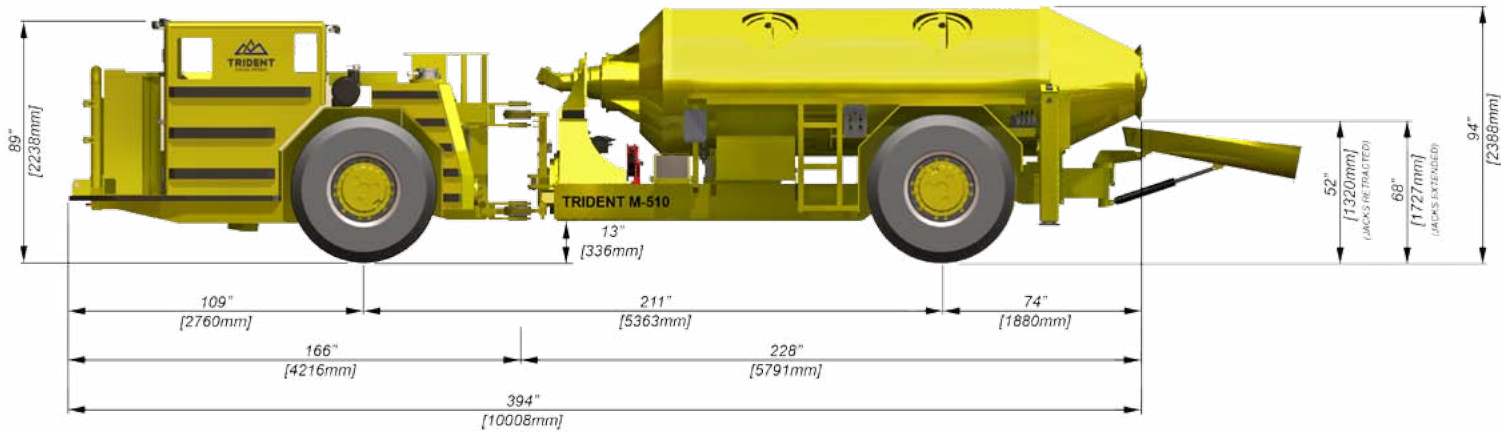
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DIMENSIONS





STANDARD FEATURES

- Rated Load Capacity: 27,000lbs. (12,247 kg.)
- Drum Capacity: 6.7 Cubic Yard. (5.1 Cubic Meter.)
- Heavy Duty Powertrain.
- Engine: Cummins QSB6.7 Series Diesel Tier 3
- Torque Converter: Dana C-320 Series with Optional Lock-Up
- Transmission: Dana R-32000 Series
- Axles: Dana 16 D 2149 Planetary Drive Axle with Liquid Cooled Posi-Stop Brakes.
- Center Articulated Hydraulic Steering.
- Central Lube Stations.
- Central Hydraulic Pressure Testing Points.
- SAE Type Hose Fittings.
- Enclosed Air Conditioned and/or Heated R.O.P.S Operator Cab.
- Open Cab Version Available.
- 24v Electrical System.
- Military Spec. Wiring System
- Electric Transmission Controls.
- Hydraulic Pilot Operated Joystick Steering Controls.
- Fire Suppression System.
- Back Up Alarm.
- Emergency Steering & Braking System Accumulators.
- 17.50 R25 Tires
- Mixer is hydraulically driven through a planetary gear reducer.
- Internal Drum Flutes provide mixing and discharge capabilities without drum tilting.
- Form Oil Tank, Pump and Hose Reel
- Variable Speed Bi-directional Drum Rotation allows for various mixing speeds and controlled discharge rates.
- Hydraulically Driven Pressure Washer



TECHNICAL SPECIFICATIONS

MAIN DIMENSIONS

Total Length:	394 in.	(10,008 mm.)
Total Width:	91 in.	(2311mm.)
Total Height:	94 in.	(2388mm.)
Inner Turn Radius:	192 in.	(4879mm.)
Outer Turn Radius:	328 in.	(8331mm.)
Turn Angle:	45.0 Degrees	

WEIGHTS

Operation Weight:	44,395 lbs	(20,137kg.)
Total Loaded Weight:	71,395 lbs	(32,384kg.)

FRAMES

Rear and Front Frames:	Welded Steel Box Construction
Material:	G40.21 300W Plate G40.21 350W H.S.S

TIRES

Tire Size:	17.50R25
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DRUM

Capacity:	6.7 Cubic Yard	(5.1 Cubic Meter)
	Options Available	
Drum Height:	94 in.	(2388mm.)

ENGINE

Diesel Engine:	Cummins B6.7 Series Tier 3
Output:	220HP (164KW)
R.P.M:	2200
Cylinders:	6
Displacement:	409 Cubic Inch (6.7L)
Combustion Principle:	Direct Injection/Turbo Charged

POWERTRAIN

Transmission:	Dana R-32000 Series
Torque Converter:	Dana C-320 Series (Lock-Up Optional)
Axles:	Dana 16D 2149 (Posi-Stop)



OPTIONAL EQUIPMENT

- ☐ Torque Lock Up
- ☐ Telma Brake Retarder system
- ☐ Double walled exhaust
- ☐ Wrapped Exhaust
- ☐ Auto Grease System
- ☐ Windshield washer/wiper system
- ☐ Heavy duty tow points
- ☐ Heavy duty rub rail system
- ☐ Easy access engine skid pan
- ☐ Radiator access points via slotted radiator shrouds
- ☐ Transmission: Electric modulated powershift
- ☐ Operator Compartment: Open Canopy, ROPS
- ☐ Operator Compartment: Open Cab, ROPS
- ☐ Operator Compartment: Closed Cab, ROPS
- ☐ Operator Compartment: Closed Cab, ROPS, Arctic Specs.
- ☐ Operator Compartment: No Cab
- ☐ Fire suppression: Checkfire system
- ☐ Tires: Mine Smooth L-5 Goodyear
- ☐ Tires: Mine Lug
- ☐ Spare Rim and Tire
- ☐ Air Conditioned Cab
- ☐ Heated Cab
- ☐ HTI Manifold and Turbo
- ☐ Air Operated Emergency Drum Drive
- ☐ Stainless Steel Accelerator Tank and Transfer Pump
- ☐ Rear Stabalizer Jacks which can lift rear of transmixer 16" in height.