THE TOUGHEST EQUIPMENT IN THE TRENCHES

Tesmec is the only company that gives a “Lifetime Warranty” on the headshaft. Forged of high-strength, alloy steel and heat-treated, Tesmec headshafts have their durability and torque reserve. Other engines are available on request. Our equipment comes standard with Caterpillar engines, known worldwide for their performance and reliability. Our engines meet EPA requirements and are of the most fuel-efficient technology available today. Tesmec engine installations are designed for all-weather conditions and proven to operate in higher temperatures than those used by our competitors. Our suspension seat, and isolator mounts to reduce cab vibration. Designed for rollover protection, the cabs meet ISO CE specification and offer easy access to a full spectrum of machine instruments. Comfort features include sound suppression, heating, air conditioning, shock absorbent isolator mounts, and elevating cabs for improved visibility. Tesmec’s ROPS-certified cabs can elevate to improve visibility for operators.

We've replaced the large, high-energy consumption gearbox with a flywheel gearbox and single piece head shaft to keep Tesmec trenchers going strong. We've studied what makes most trenchers fail and the parts known to break down under hard soil conditions. From this, we developed a new type of fully modular system but stay contained in the failed circuit. Filter bars containing centralized filter locations are standard on some models. Should a failure occur, contamination will not spread through the hydraulic (RH & LH) circuit, auxiliary hydraulics, conveyor and recirculation circuit. To keep hydraulic systems clean, we use high quality filters on all hydraulic lines. Filter bars containing centralized filter locations are standard on some models. Should a failure occur, contamination will not spread through the hydraulic (RH & LH) circuit, auxiliary hydraulics, conveyor and recirculation circuit. To keep hydraulic systems clean, we use high quality filters on all hydraulic lines.

Our products feature high performance gearboxes, top-quality engines and solid steel components. We've replaced the large, high-energy consumption gearbox with a flywheel gearbox and single piece head shaft to keep Tesmec trenchers going strong. We've studied what makes most trenchers fail and the parts known to break down under hard soil conditions. From this, we developed a new type of fully modular system but stay contained in the failed circuit. Filter bars containing centralized filter locations are standard on some models. Should a failure occur, contamination will not spread through the hydraulic (RH & LH) circuit, auxiliary hydraulics, conveyor and recirculation circuit. To keep hydraulic systems clean, we use high quality filters on all hydraulic lines.

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**GENERAL**

- **Weight:** 48,500-57,320 lbs (22000-25000 kg)
- **Ground Pressure:** 11.09-13 psi (.78-.92 kg/sq cm)
- **Transport length with Crumbshoe:** 28' with 6ft. Boom and side and swivel conveyor
- **Transport Width:** 98" (250 cm)
- **Transport Height:** 122" (310 cm)

**STANDARD FEATURES**

- Creep Control: Operator selectable digging pressure, automatic operation
- Engine doors with security locks
- Stabilizers w/ Dirt drags
- Flywheel Gearbox: Shaved, helical gearing, case hardened for extreme shock load
- Vibration isolator mount: Used on cab, engine, radiator, and silencer
- ROPS cab w/ heat, air conditioning and pressurizer
- CE Certified
- Self-leveling Undercarriage, keeps machine level up to 20 degrees

**ENGINE**

- **Model:** Cummins 6CTAA 8.3 Elite Turbo Aftercooled
- **Number of cylinders:** 6 In-Line
- **Maximum no load RPM:** 2,390
- **Maximum gross horsepower:** 260 HP (194 kW)
- **Cooling Medium:** Liquid
- **Air Cleaner:** Dry type, 2 stage with dual precleaner and automatic dust ejection
- **Oil Filter:** Full flow canister
- **Fuel Filter:** Primary and secondary
- **Electrical system:** 24V
- **Alternator:** 70 amp, 24V
- **Fuel tank capacity:** two 68 gal (total 136 gal. (514 L))

**HYDRAULIC SYSTEM**

- **Type:** Pressure and/or low compensated (Load sensing)
- **Pump low maximum:** 49 GPM (185 L/min.)
- **Maximum pressure:** 2495 PSI (172 Bar)
- **Oil tank capacity:** 79 gallons (300 L)
- **Oil type:** ATF type “F” or Tesmec approved equivalent

**OPTIONS**

- Hydraulic Crumbshoe
- Lateral scrapers
- Automatic laying system for cable or PVC pipe
- Top boom chain roller
- Diesel refueling kit
- Lighting kit for night-time operation
- Laser system for depth control
- Polyurethane or rubber track pads
- Customer applications on request

**CRAWLER DRIVE**

- Dual path, hydrostatic drive, planetary transmission
- **Transmission:** One variable displacement pump and two motors
- **Chainsaw speed:** Ininitely variable, standard ratio 0-700 ft./min, (0-213 m/min)
- **Trench depths:** for 4' (122 cm), 5' (152 cm), 6' (183 cm) and 8' (245 cm) max booms
- **Trench width:** Single chain boom, 12"-20" (30-51 cm) double chain boom, 24"-26" (60-66 cm)

**CONVEYER DRIVE**

- **Belt speed:** Infinite variable 0-820 FPM (0-250 m/min.)
- **Conveyor length:** 98" (249 cm)
- **Discharge height:** 49" (125 cm)
- **Discharge direction:** right or left

**TRUCK LOADING CONVEYER**

- **Belt type:** Vulcanized high resistance without joints, with chevron pattern for higher transport capacity
- **Belt speed:** Infinite variable 0-656 ft/min (0-200 m/min)
- **Conveyor belt width:** 21.7" (55 cm)
- **Discharge height:** max 130" (330 cm)

**TECHNICAL SHEETS**

- Cummins is a trademark of Cummins Engine Company Inc.
- Due to TESMEC’s program of constant improvement, materials and specifications are subject to change without notice or obligation.
### SERIES SPECIFICATIONS

**COMMON**
- Weight: 115,000 lb (52,000 kg)
- Height: 114" (290 cm)
- Width: 10 ft (305 cm)
- Transport length: 398" (1010 cm)
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**FUEL SYSTEM**
- Fuel consumption at full load: 440 HP (328 kW)
- Fuel tank capacity: 280 gal. (1060 L)
- Fuel filter: 24V Electrical system: Primary and secondary
- Oil filter: Full flow canister
- Air cleaner: 440 HP (328 kW)
- Liquid Cooling Medium: Adequate for 120° F (48.9°C) ambient
- Cooling Rating: In-Line
- Maximum no load RPM: 2150
- Number of cylinders: 6 In-Line
- Description: CAT C-13 Turbocharged and After Cooled

**Hydraulic System**
- Description: Dual path, high pressure, load sensing pump, capable of transmitting full engine horsepower
- Two pumps and two motors capable of transmitting full engine horsepower
- Hydrostatic: Two pumps and two motors capable of transmitting full engine horsepower

**Electrical System**
- Description: Reversible and shiftable Hydraulic conveyor fold
- Pressure and flow compensated pump with dual hydraulic drive motors

**CONVEYOR**
- Description: One pump and two motors
- Description: Hydrostatic:

**CRAWLER DRIVE**
- Description: Dual path, hydrostatic drive, planetary transmissions
- Capable of full counter rotation with single lever steering, single lever direction.
- Description: Ininitely variable speed: Forward and reverse

**OPTIONS**
- Description: Hydraulic conveyor fold
- Pressure and flow compensated pump with dual hydraulic drive motors
- Description: One pump and two motors
- Description: Hydrostatic:

**CATALOG**
- Description: Laser control system
- Work Light Package:
  - 24V, for night use.

**Hydraulic System**
- Description: Dual path, high pressure, load sensing pump, capable of transmitting full engine horsepower
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SERIES SPECIFICATIONS

GENERAL

Model: ROCK HAWG - 369D-RH, 369DR, 369DRL
Frame: Extruded Aluminum
Drum Length: 12' (3.66 m) (over Cab, and single Pads)
Transport Height: 12' (3.66 m) (over Cab, and single Pads)
Transport Width: 138" (351 cm) With 30" (76 cm) Track (25' 0" long x 48" wide)
Transport length: 39' 8" (12.1 m) (25' 0" long x 48" width)
Weight: 240,000 (108,863 Kg) Rock Hawg

ROCK HAWG

Drum Length: 12' (3.66 m) (over Cab, and single Pads)
Transport Height: 14' 2" (4.32 m) (over Wheel with 30" (76 cm) Track (48' 0" long x 54" wide)
Transport Width: 12' 3" (3.73 m) With 30" (76 cm) Track (48' 0" long x 54" wide)
Transport length: 47' 4" (14.4 m) with maximum height: Tractor w/Cab -11' 10" (3.6 m) with cab elevated - 14' 3" (4.3 m)
Weight: 240,000 (108,863 Kg) Rock Hawg

BUCKET

Transport Height: 12' (3.66 m) (over Cab, and single Pads)
Transport Width: 138" (351 cm) With 30" (76 cm) Track (25' 0" long x 48" wide)
Transport length: 39' 8" (12.1 m) (25' 0" long x 48" width)
Weight: 169,000 - 198,000 (76,204 - 89,811Kg)*

CONVEYOR

Discharge direction: right or left
Discharge height: 7' 7" (231.1 cm)
Conveyor belt width: 36" (91.4 cm)
Belt speed: In/initely variable 0-900 FPM

TRACKS

Track pad width: 30" (76.2 cm)
Track chain pitch: 9.000" (22.860 cm)
Track chain type: Caterpillar 62/350**
Track pad type: single, double, or triple grouser pads.

CRAWLER DRIVE

In/initely variable speed: Forward and reverse, steering, single lever direction
Caterpillar Inc.

ENGINE

Maximum no load RPM: 2,100
Fuel Consumption at full load: 29.3 gal/hr. (111 l/hr.)
Fuel tank capacity: 360 gal. (1,363 L)
Electrical system: 24V Starting. 12V Controls
Cooling Rating: Adequate for 130 Deg F (54 Deg C)

Caterpillar and Cat are trademarks of Caterpillar Inc.

Weights are based on a standard configuration, Fred Replacement Parts, Rock Hawg - 369D-RH, 369DR, 369DRL

ROCK SAW

Drum Length: 12' (3.66 m) (over Cab, and single Pads)
Transport Height: 12' (3.66 m) (over Cab, and single Pads)
Transport Width: 138" (351 cm) With 30" (76 cm) Track (25' 0" long x 48" wide)
Transport length: 39' 8" (12.1 m) (25' 0" long x 48" width)
Weight: 168,000 - 198,000 (76,204 - 89,811Kg)*

OPTIONAL EQUIPMENT

Air Compressor
Work Light Package: 24V, for night use
Cab Anti-Vandalism Window Covers
Laser Control System Pre-Wire
Conveyor Belt Width: 30" (76.2 cm)
Belt speed: In/initely variable 0-900 FPM

Serial Numbers

Ser.: 1475

Options

12" (30.5 cm) Track
Caterpillar Inc.

OPTIONS

Air Compressor: Work Light Package: Laser Control System Pre-Wire

Fuel Consumption at full load: 29.3 gal/hr. (111 l/hr.)
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