

# TRS-750



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# TESMEC TRS-750

## Chainsaw Specifications

### GENERAL

Weight: 34,171 - 42,990 lbs. (15,500-19,500 kg)  
 Ground pressure with 20" track pads: 7.6-9.5 psi  
 (.53-.67 kg/sq cm)  
 Transport length with Crumbshoe: 27'-9" with 6ft.  
 boom and side and swivel conveyor  
 Transport Width: 85" (215 cm)  
 Transport Height: 9'-4" (2.82 m)

### STANDARD FEATURES

Tesmec ITEC-5 Control System  
 Creep Control: Automatically adjusts the crawler tracks to changes in digging conditions by sensing hydraulic digging pressure. (Not controlled by the engine alternator.)  
 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 engine, radiator, oil cooler, exhaust silencer and operator station  
 Automatic dig-in and stop/re-start  
 ROPS cab w/ heat, air conditioning and pressurizer  
 CE Certified

### ENGINE

Position: Front transverse mounted  
 Model: Cummins QSB5.9  
 Number of cylinders: 6 In-Line  
 Maximum no load RPM: 2,250  
 Maximum gross horsepower: 215 HP (160 kW)  
 Cooling Medium: Liquid  
 Air Cleaner: Dry type, 2 stage with dual precleaner  
 Oil Filter: Full flow canister  
 Fuel filter: Primary and secondary  
 Electrical system: 24V  
 Alternator: 70 amp, 24V  
 Fuel tank capacity: 106 gal. (400 L)

### HYDRAULIC SYSTEM

Type: Pressure and flow compensated (Load sensing)  
 Pump flow maximum: 45 GPM (170 L/min.)  
 Maximum pressure: 2600 PSI (180 Bar)  
 Oil tank capacity: 77 gallons (290 L)  
 Oil type: ATF type "F" or Tesmec approved equivalent

### CRAWLER DRIVE

Dual path, hydraulic drive, planetary transmissions with single lever steering, single lever direction.  
 Variable displacement pump and motor  
 Infinitely variable speed, forward and reverse 0-2.3 MPH (0-3.7 km/hr)  
 Automatic selection of transmission ratio  
 Integral parking and service brake: Spring applied, hydraulic release, wet disc brake

### CROSS CONVEYOR DRIVE

Belt speed: infinitely variable 0-820 FPM (0-250m/min.)  
 Conveyor belt width: 24" (60 cm)  
 Conveyor length: 79" (200 cm)  
 Discharge direction: right or left

### TRUCK LOADING CONVEYOR

#### OPTIONAL SIDE & FRONT ROTATING DISCHARGE CONVEYOR:

Discharge direction: front of the machine  
 Belt type: vulcanized high resistance without joints, with chevron pattern for higher transport capacity  
 Belt speed: infinitely variable 0-656 ft/min (0-200 m/min)  
 Conveyor belt width: 17.7" (45 cm)  
 Discharge height: max 130" (330 cm)

Digging Depth	"A"	"B"
4'	48"	291"
5'	60"	304"
6'	72"	320"
8'	96"	349"

### TRENCHER DRIVE (CHAINSAW)

Hydrostatic: One variable displacement pump and one motor  
 Digging Chain Speed: Infinitely variable; standard ratio 0-650 FPM (0-200 m/min.)  
 Digging Dimensions:  
 3', 4', 5', 6' (91, 122, 152, 183 cm) narrow boom for 8"-10" (20-25 cm) with new M style 4.5" (11.4 cm) pitch chain with anti back-bending system  
 4', 5', 6', 8' (122, 152, 183, 244 cm) standard boom for 14"-18" (36-61 cm) with K style 4.5" (11.4 cm) pitch single chain, 12" at special request  
 4', 5', 6' (122, 152, 183 cm) standard boom for 20"-24" (50-61 cm) with K style 4.0" (10.2 cm) pitch double chain  
 Chain: 4.5" (11.4 cm) pitch, tensile strength: 350,000 Lbs/ (158,757 Kg)  
 4.0" (10.2 cm) pitch, tensile strength: 149,911 lbs (68,000 kg)  
 Digging Teeth: (Rock) 1" diameter shank, rotary carbide insert (2.5 cm)  
 (Dirt) single edge, hard surfaced cup cutters

### OPTIONS

Hydraulic Crumbshoe  
 Automatic laying systems for cable and PVC pipe  
 Conveyor mounted material separator  
 Fuel Pump, Quick fill  
 Lights  
 Laser system for depth control  
 Side Mounted Truck-loading conveyor  
 Digging Teeth:  
 (Rock) 1 1/2" diameter shank, rotary carbide insert (3.3 cm)  
 (Dirt) Tesmec spade teeth  
 \* Available with TESMEC Blocks that allow use of all industry standard 1-1/2" conical teeth, as well as TESMEC Spade Teeth.  
 Special applications by request

