



**TESMEC**  
Trencher

# 1275L RS



60 METRIC TON CLASS TRENCHER FOR HIGH-PRODUCTIVITY, LONG-DISTANCE EXCAVATION WORKS IN THE TOUGHEST ROCK CONDITIONS; THE 1275L MODEL IS THE BIGGEST ROCKSAW TRENCHER MACHINE IN THE TESMEC FAMILY, SUITABLE FOR FIBER OPTICS BACK-BONE PROJECTS, ELECTRIC-CABLE NETWORKS, UTILITIES AND SMALL SIZE PIPELINES. A MASTER ROCK-CUTTER.



**Tesmec S.p.A.**

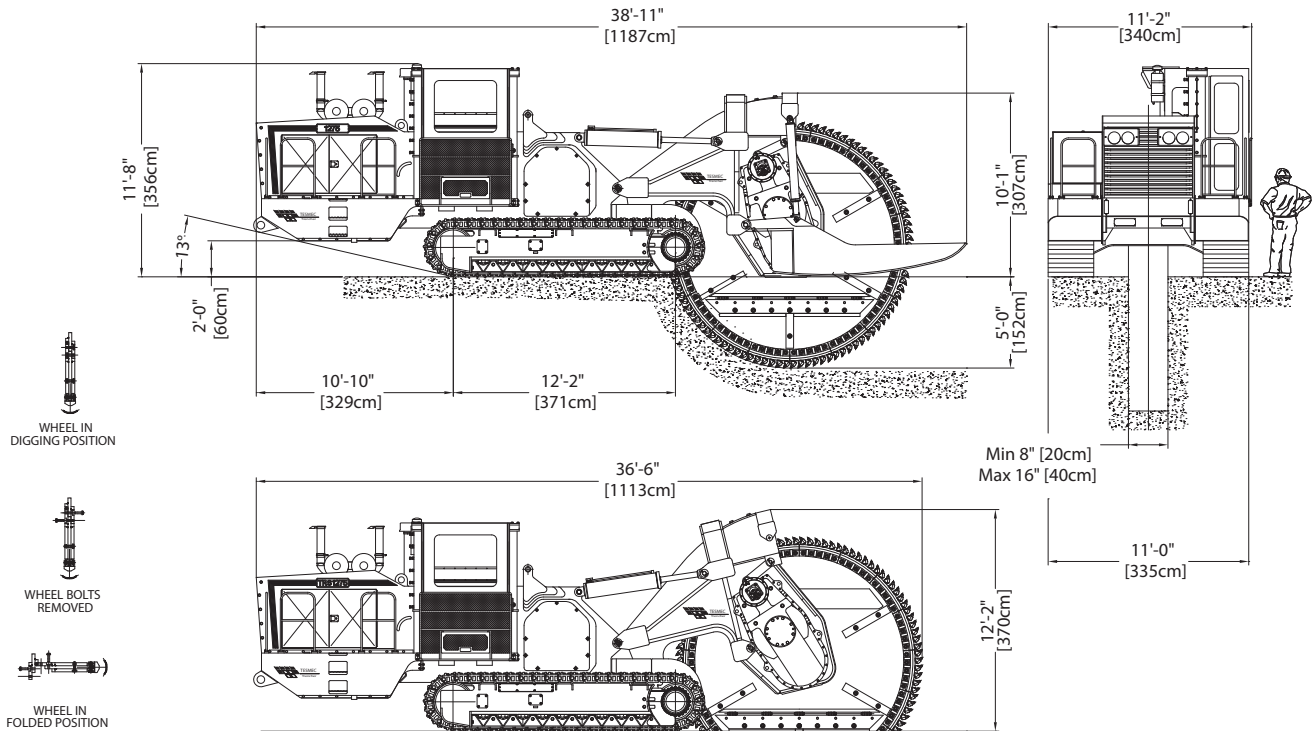
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Keep you updated on: [www.tesmec.com](http://www.tesmec.com)

1200



**Standard Features**

- Pressurized cab with air conditioning, heating, sound suppression
- Elevating cab module with roll over protection (ROPS)
- Load control: operator selectable digging pressure, automatic operation
- Toolbox with locking doors
- Engine doors with security locks
- Fuel and hydraulic tank: aircraft quality locking caps
- Gearboxes and hydraulic tanks: pressurized with 5 psi (0.3 bar) filtered breathers
- Vibration isolator mount: used on engine, radiator, oil cooler, exhaust silencer
- External support structure for elevating cab, wear-pad design with adjustment
- Electrical system: 24 V starting, 12 V controls

**Trenching Dimensions**

- Depths..... 0-5' (0-152 cm)
- Widths.....8" (20 cm) to 16" (41 cm in 1/2 inch (1.3 cm) increments

**Note:** dependent on configuration and options

**Engine**

- Model.....CAT C15 ACERT Tier 3
- Max horsepower.....540 hp (403 kW)
- Max no load rpm.....2.100 rpm
- Fuel tank capacity.....376 gal (1.423 l)
- Fuel consumption.....28.9 gal/hr (109.4 l/hr) at full load
- Cooling rating adequate for 122° F (50° C) ambient air temperature
- Air cleaner: dry type, centrifugal precleaner with primary and secondary filters

**Operating and Transport Weight**

- Weight.....150,000 lbs (68.038 kg)

**Note:** dependent on configuration and options

**Trencher Drive**

- Hydrostatic: four pumps and two motors
- Flywheel gearboxes: shaved, helical gearing, case hardened for extreme shock load
- Three operator selectable digging speed ranges with 5' (152 cm) depth wheel:
  - .....0-445 fpm (0-136 m/min)
  - .....0-646 fpm (0-197 m/min)
  - .....0-846 fpm (0-258 m/min)
- Cutters: rotary carbide tipped 1 1/2" (3.81 cm) shank diameter

**Crawler Drive**

- Dual path, hydrostatic drive, planetary transmissions capable of full counter rotation with single lever steering, single lever direction
- Infinitely variable speed: forward and reverse
- Speed ranges:
  - High range.....0-2.5 mph (0-4.1 km/hr)
  - Low range.....0-1.4 mph (0-2.3 km/hr)
- Integral parking and service brake: spring applied, hydraulic release, wet disc brake

**Tracks**

- Overall track length.....12' 2" (371 cm)
- Track pad type: double or triple grouser
- Track chain type: Caterpillar D7
- Track pad width.....2' 6" (76.2 cm)

**Hydraulic Transmission**

- Pressure and flow compensated (load sensing)
- Pump flow maximum.....45 gpm (150 l/min)
- Pressure setting.....2.500 psi (172 bar)
- Oil tank capacity.....203 gal (768 l)

**Transport Dimensions**

- Length.....36' 6" (1.113 cm)
- Width.....11' 2" (340 cm) with digging motors removed, 30" (76 cm) D7 track pads
- Height.....12' 2" (371 cm) over wheel with wheel folded

**Available Devices**

- Work light package: 24 V, for night use
- Laser control system
- Cab anti-vandalism window covers
- Twin hose reel package: connections to power hydraulic tools