

1075

TESMEC
Trencher

TrenchTronic

TrenchTronic 4.0
Electronic Control with:
Operator selectable digging pressure and automatic operation
Fully automatic operation
Remote diagnostic system

Re.M
Remote Monitoring Systems

Re.M
Remote Control with:
Machine data remote monitoring
Fleet location management
Troubleshooting information
Operating conditions



TRENCHING DIMENSIONS

0-4'8"
0-142 cm

6-14"
15-36 cm

FEATURES AND APPLICATIONS

The 1075 RS model has been designed as a high-productivity trencher for utilities projects in rocky soils. TrenchTronic 4.0 equipped.



UNDERGROUND POWERLINES
INSTALLATION



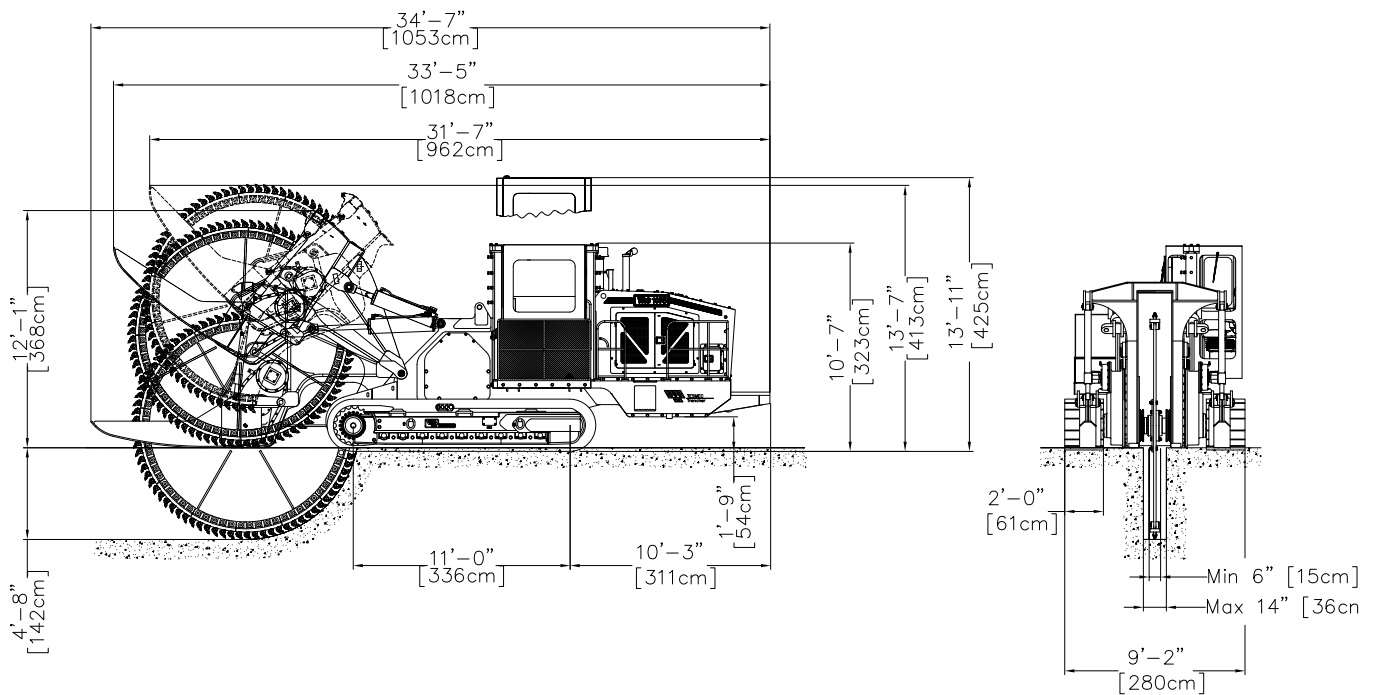
OPTICAL FIBER INSTALLATION



LONG DISTANCE NETWORKS
INSTALLATION



UNDERGROUND CONNECTION
NETWORKS INSTALLATION



1075 ROCKSAW TECHNICAL SPECIFICATIONS

Standard Features

Pressurized elevating ROPS cab with air conditioning, heating, sound suppression
 Tool box/Battery box with locking doors
 Engine doors with security locks
 Fuel and hydraulic tank: aircraft quality locking caps
 Flywheel Gearboxes and Hydraulic Tanks: Pressurized with 5 PSI (0.3 bar) filtered breathers
 Flywheel Gearboxes: shaved, helical gearing, case hardened for extreme shock load
 Vibration isolator mount: used on cab, engine, radiator, and oil cooler
 Electrical system: 24 V

Trenching Dimensions

Depths range.....0'-4" 8" (0-142 cm)
 Widths range.....6"-14" (15-36 cm)

Engine

HIGHLY REGULATED COUNTRIES (EU, USA)

Model.....CAT C9.3B ACERT Tier4 USA/Stage V UE
 Max horsepower.....375 hp (280 kW)
 Max no load rpm.....2.000 rpm
 Fuel tank capacity.....195 gal (738 l)
 Urea tank capacity.....17.3 gal (65.6 l)
 Estimated max urea consumption at full load.....
9% of fuel consumption
 Fuel consumption at full load...19.5 gal/hr (73.8 l/hr)
 Cooling rating adequate for 135° F (57.2° C) ambient air temperature

Air cleaner: dry type, centrifugal precleaner with primary and secondary filters

LESSER-REGULATED COUNTRIES

Model.....CAT C9 ACERT Tier3
 Max horsepower.....350 hp (261 kW)
 Max no load rpm.....2.000 rpm
 Fuel tank capacity.....195 gal (738 l)
 Fuel consumption at full load...17.9 gal/hr (67.8 l/hr)
 Cooling rating adequate for 135° F (57.2° C) ambient air temperature

Air cleaner: dry type, centrifugal precleaner with primary and secondary filters

Operating and Transport Weight

Weight.....81,000-86,000 lbs (36.740-39.000 kg)
 Ground pressure.....12.6-13.5 psi (0.89-0.95 kg/cm²)
 Note: dependent on configuration and options

Trencher Drive

Hydrostatic: two pumps and two motors capable of transmitting full engine horsepower
 Infinitely variable digging wheel speeds.....0-17 rpm
 Cutters: rotary carbide tipped 1-1/2" (3,8 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
 • High range.....0-2.5 mph (0-4.0 km/hr)
 • Low range.....0-1.1 mph (0-1.7 km/hr)
 Integral parking brake: spring applied, hydraulic release, wet disc brake

Tracks

Overall track length.....11' (336 cm)
 Track pad type: single, double, or triple grouser
 Track chain type: Caterpillar 38/320
 Track pad width.....2' (61 cm)

Hydraulic Transmission

Pressure and flow compensated (load sensing)
 Pump flow maximum.....45 gpm (170 l/min)
 Pressure setting.....2.750 psi (190 bar)
 Oil tank capacity.....104 gal (394 l)

Transport Dimensions

Length.....33' 5" (1019 cm)
 Width with 2' (61 cm) track pads.....9' 2" (280 cm)
 Height with backend lowered to deck and cab lowered.....12' 1" (368 cm)

Main Available Devices

ALL001 Air compressor
 OPT005 Lase automatic system for depth control
 OPT011 Subscription for the Remote Asset Management (monitoring via GPRS) per year
 OPT012 Work light package

For a complete devices list see the Available Devices chart