

1075



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

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



TRENCHING DIMENSIONS

SINGLE CHAIN BOOM

4-10'
 123-305 cm
 14"-20"
 35-51 cm

DOUBLE CHAIN BOOM

4-10'
 123-305 cm
 24"-36"
 61-91 cm

FEATURES AND APPLICATIONS

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



PIPELINE CONSTRUCTION



UNDERGROUND POWERLINES INSTALLATION



LONG DISTANCE NETWORKS INSTALLATION



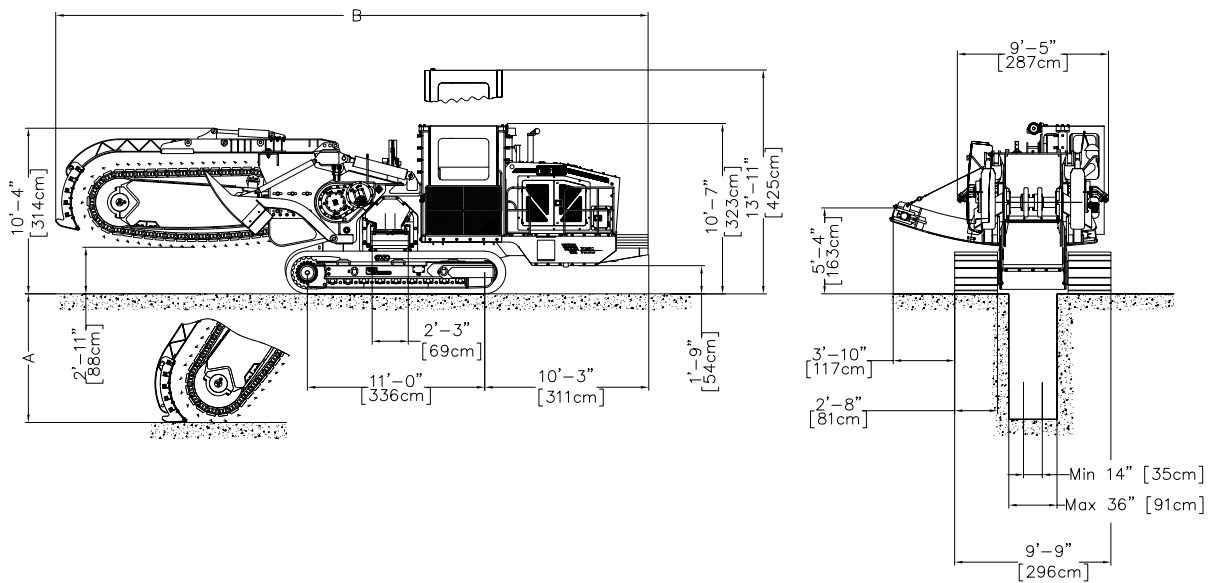
IRRIGATION WORKS



CHANNEL EXCAVATION



WATER AND SEWAGE NETWORKS INSTALLATION



BOOM	"A"	"B"
4'	4' (123 cm)	32'-5" (988 cm)
6'	6' (183 cm)	34'-8" (1057 cm)
8'	8' (244 cm)	36'-11" (1125 cm)
10'	10' (305 cm)	39'-2" (1194 cm)

1075 CHAINSAW 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
 Automatic grease system
 Creep control: operator selectable digging pressure, automatic operation
 Stabilizers with adjustable berm scrapers
 Conveyor fold: Hydraulic winch
 Top boom chain roller
 Electrical system: 24 V

Trenching Dimensions

SINGLE CHAIN BOOM
 Digging depths.....4' through 10' (123 through 305 cm)
 Widths range.....14"-20" (35-51 cm)
DOUBLE CHAIN BOOM
 Digging depths.....4' through 10' (123 through 305 cm)
 Widths range.....24"-36" (61-91 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 (EU, USA)

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.....83,000-98,000 lbs (37.647-44.500 kg)
 Ground pressure.....9.8-11.5 psi (0.69-0.81 kg/cm²)
 Note: dependent on configuration and options

Trencher Drive

Hydrostatic: two pumps and two motors capable of transmitting full engine horsepower
 Digging chain speed.....0-700 fpm (0-213 m/min)
 Low speed option*.....0-500 fpm (0-152 m/min)
 *Initial build option only

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' 8" (81 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)

Conveyor

Pressure and flow compensated pump with dual hydraulic drive motors
 Reversible and shiftable
 Belt speed infinitely variable....0-750 fpm (0-229 m/min)
 Discharge direction: right or left
 Conveyor belt width.....2' 3" (69 cm)
 Conveyor length.....11' (335 cm)
 Discharge height.....4'-5' 4" (122-163 cm)

Transport Dimensions

Length with crumbshoe4' boom: 32' 5" (988 cm)
6' boom: 34' 8" (1057 cm)
8' boom: 36' 11" (1125 cm)
10' boom: 39' 2" (1194 cm)
 Width.....9' 9" (296 cm)
 Height with crumbshoe.....10' 7" (323 cm)
 (over Cab with single grouser pads)

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