

985



TrenchIntel

TrenchIntel
DGPS guidance system:
Extra high precision 3D GPS system
Automatic depth and grade control
Autosteering to a predefined path
Pass optimization and fleet control



TrenchTronic

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 BOOM

4'-6"
122-183 cm
12"-18"
30-45 cm

DOUBLE LINK BOOM

4'-6"
122-183 cm
18"-28"
45-71 cm

DOUBLE BOOM

4'-6"
122-183 cm
24"-28"
61-71 cm

FEATURES AND APPLICATIONS

Mid-size self-leveling offset Chainsaw trencher conceived to satisfy all ranges of customers: from highway constructors to pipeline contractors and other customers working on projects where space is one of the main issues. The 985 features a 350HP-CAT Tier 4f engine and is equipped with a center mounted truck conveyor, which unloads spoil directly into the truck located in front of the machine, thus limiting the space taken up. TrenchTronic 4.0 equipped.



UNDERGROUND POWERLINES
INSTALLATION



LONG DISTANCE NETWORKS
INSTALLATION



METROPOLITAN NETWORKS
INSTALLATION



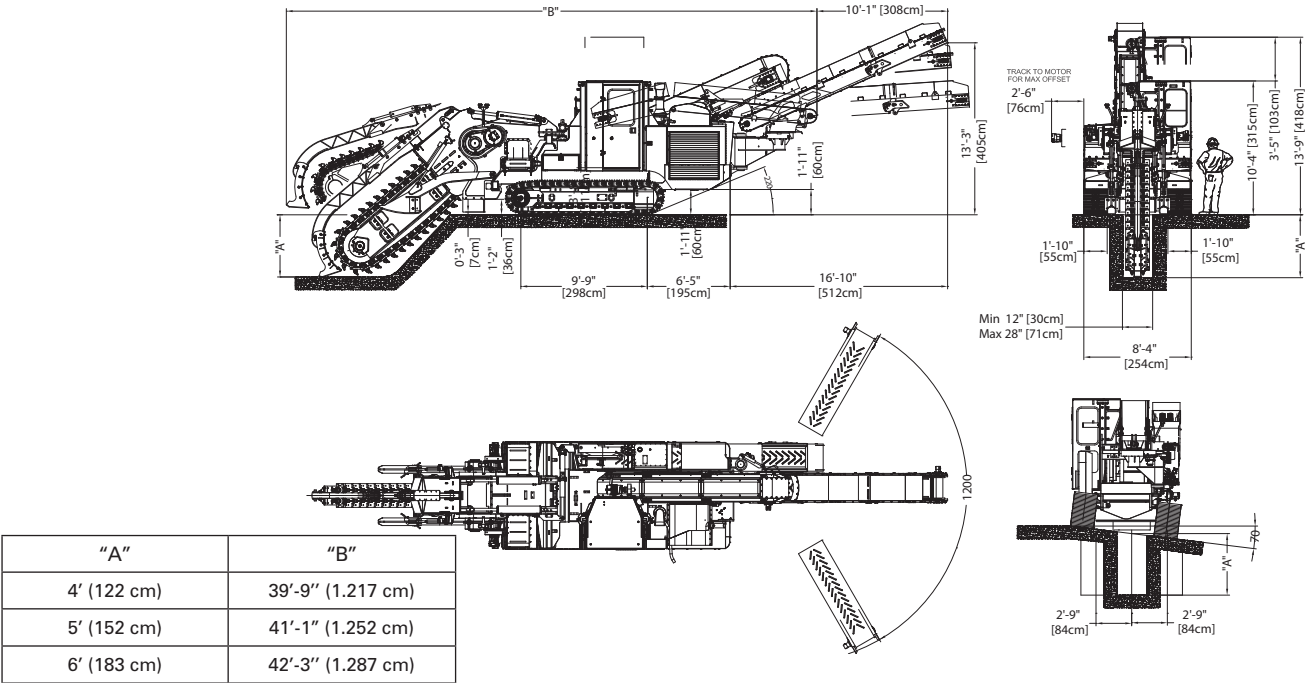
OPTICAL FIBER
INSTALLATION



URBAN DRAINAGE WORKS



UNDERGROUND CONNECTION
NETWORKS INSTALLATION



985 CHAINSAW
TECHNICAL SPECIFICATIONS

Standard Features

Pressurized cab with air conditioning, heating, sound suppression
Elevating cab module with roll over protection (ROPS)
Electrical system: 24 V
Anti vibration isolator mounts: used on engine, radiator/oil cooler unit and cab
Stabilizers with dirt drags: automatically adjust to terrain changes
Positive locking digging chain adjustment
Cab and Compartment security locks
Fuel and hydraulic tank: pressurized with locking caps

Trenching Dimensions

3 different boom lengths: 4',5',6' (122,152,183 cm)
SINGLE BOOM

- Max depth.....6' (183 cm)
- Widths range.....12"-18" (30-45 cm)

DOUBLE LINK BOOM

- Max depth.....6' (183 cm)
- Widths range.....18"-28" (45-71 cm)

DOUBLE BOOM

- Max depth.....6' (183 cm)
- Widths range.....24"-28" (61-71 cm)

Note: dependent on configuration and options

Engine

HIGHLY REGULATED COUNTRIES (EU, USA)
Model.....Caterpillar C9.3B US EPA Tier 4 / EU Stage V, turbocharged and after cooled
Max gross horsepower.....375 hp (280 kW)
Max no load rpm.....2000 rpm
Fuel tank capacity.....174 gal (660 l)
Fuel consumption at full load.....18 gal/hr (68 l/hr)
Urea tank capacity.....17.3 gal (65.4 l)
Estimated max urea consumption at full load.....8% of fuel consumption
Cooling rating adequate for 130° F (54.4° C) ambient air temperature
Air cleaner: dry type, 2 stages with dual precleaner

LESSER REGULATED COUNTRIES
Model.....Caterpillar C9.3B LRC (EPA Tier 3 equivalent), turbocharged and after cooled
Max horsepower at no load.....375 hp (280 kW)
Max no load rpm.....2000 rpm
Fuel tank capacity.....174 gal (660 l)
Fuel consumption at full load.....18 gal/hr (68 l/hr)
Cooling rating adequate for 130° F (54.4° C) ambient air temperature
Air cleaner: dry type, 2 stages with precleaner and automatic dust ejection

Operating and Transport Weight

Weight67.241-88.185 lbs (30.500-40.000 kg)
Ground pressure13,5-17,7 psi (0.93-1.22 kg/cm²)
Note: dependent on configuration and options

Trencher Drive

Attachment Offset: 2' 9" (84 cm) from machine centerline either direction, 5' 7" (168 cm) total, hydraulically shiftable the entire distance without cylinder change.
Hydrostatic: one pump and two motors capable of transmitting full engine horsepower
Flywheel gearboxes
Infinitely variable digging attachment speeds.....0-525 fpm (0-160 m/min)

Tesmec designed single or double link 4.5" (11.4 cm) pitch chain, "K" style
Standard cutters: rotary carbide tipped 1,5" (3.8 cm) shank diameter
Optional cutters: single edge, hard surfaced spade teeth for dirt - Tesmec dirt tool with 1,5" (3.8 cm) shank diameter

Crawler Drive

Dual path, hydraulic drive, planetary transmissions capable of full counter rotation with single lever steering, single lever direction
Variable displacement pump and motor
Infinitely variable speed: forward and reverse
Speed range.....0-2 mph (0-3.2 km/hr)
Integral parking and service brake: spring applied, hydraulic release, wet disc brake

Tracks

Self-leveling (tilting) undercarriage

- Track tilt angle.....± 7°
- Automatic/manual operation

Overall track length.....9' 9" (298 cm)
Track pad type: triple grouser
Track chain type: Caterpillar D5
Track pad width.....1'10" (55 cm)

Hydraulic Transmission

Pressure and flow compensated (load sensing)
Pump flow maximum.....67 gpm (253 l/min)
Pressure setting.....2.500 psi (172 bar)
Oil tank capacity.....103 gal (390 l)

Cross Conveyor

Pressure and flow compensated pump with dual hydraulic drive motors
Belt speed infinitely variable 0-1250 fpm (0-380 m/min)
Discharge direction: right or left
Conveyor belt width.....2' (61 cm)
Conveyor length.....8' 2" (249 cm)

Transport Dimensions

Length with crumbshoe and truck loading conveyor.....

-4 ft boom: 39' 9" (1.217 cm)
-5 ft boom: 41' 1" (1.252 cm)
-6 ft boom: 42' 3" (1.287 cm)

Width8' 4" (254 cm)
Height10' 4" (315 cm)

Main Available Devices

Ask Tesmec for a complete devices list