

# 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 3.1**  
**Electronic Control with:**  
 Operator selectable digging pressure and automatic operation  
 Fully automatic operation  
 Remote diagnostic system

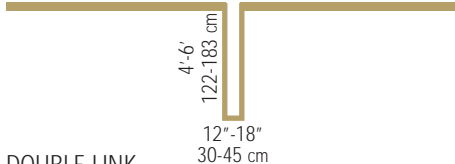


**Re.M**  
**Remote Control with:**  
 Machine data remote monitoring  
 Fleet location management  
 Troubleshooting information  
 Operating conditions

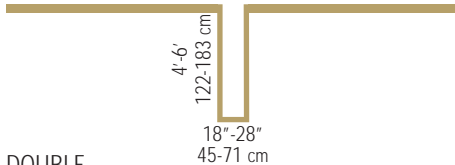


## TRENCHING DIMENSIONS

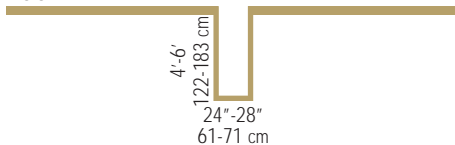
SINGLE BOOM



DOUBLE LINK BOOM



DOUBLE BOOM



## 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 3.1 equipped.



UNDERGROUND POWERLINES INSTALLATION



LONG DISTANCE NETWORKS INSTALLATION



METROPOLITAN NETWORKS INSTALLATION



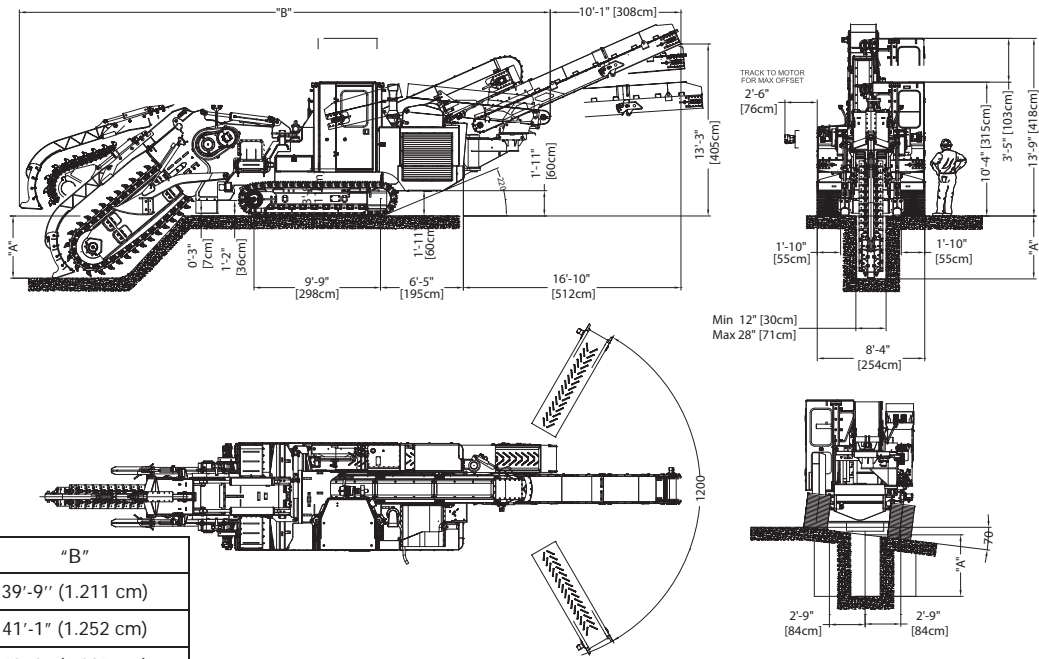
OPTICAL FIBER INSTALLATION



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.....CAT C9.3 ACERT Tier 4f / Stage IV  
 Max horsepower.....350 hp (261 kW)  
 Max no load rpm.....2.050 rpm  
 Fuel tank capacity.....175 gal (662 l)  
 Urea tank capacity.....12.8 gal (48.4 l)  
 Fuel consumption at full load.....18 gal/hr (68 l/hr)  
 Estimated max urea consumption at full load.....  
 .....3.5% of fuel consumption  
 AD Blue tank capacity.....11,1 gal (42 l)  
 AD Blue consumption.....0,74 gal/hr (2,8 l/hr) at full load  
 Cooling rating adequate for 127° F (53° C) ambient air temperature  
 Air cleaner: dry type, 2 stages with dual pre-cleaner

### Operating and Transport Weight

Weight .....59.500-77.100 lbs (27.000-35.000 kg)  
 Ground pressure .....11,4-14,3 psi (0.8-1.0 kg/cm<sup>2</sup>)  
 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.....  
 .....0-500 fpm (0-152 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 (0-3.1 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.....64 gpm (240 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" (1.211 cm)  
 .....5 ft boom: 41' 1" (1.252 cm)  
 .....6 ft boom: 42' 3" (1.287 cm)  
 Width .....8' 4" (254 cm)  
 Height .....10' 4" (315 cm)

### Main Available Devices

ALL001 Air compressor  
 ALL012 Safety devices (flashing light, rear-view mirror, external emergency buttons)  
 ALL013 Short cross conveyor  
 OPT001 Lateral cleaners  
 OPT002 Fuel pump  
 OPT005 Laser automatic system for depth control  
 OPT008 Rubber track pads  
 OPT011 Subscription for the Remote Asset Management (monitoring via GPRS) per year  
 OPT012 Work light package  
 OPT014 Video Camera  
 OPT015 3D GPS system for automatic machine guidance  
 OPT023 Remote control for maintenance  
 OPT025 Oil pump

For a complete devices list see the Available Devices chart