

885



TESMEC
Trencher



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 Monitoring Systems

Re.M

Remote Control with:

Machine data remote monitoring
Fleet location management
Troubleshooting information
Operating conditions



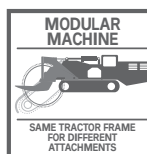
TRENCHING DIMENSIONS

3'-6"
91-183 cm

8"-18"
20-45 cm

FEATURES AND APPLICATIONS

Chainsaw trencher specially designed for fiber-optic projects in urban and suburban areas. This model features offset digging chain, tilting tracks, elevating cab and - as main optional - automatic cable laying system, back-filling system and truck loading conveyor. The 885 can also be employed in trench excavation for small underground utilities such as electric cables, water, gas and other. TrenchTronic 3.1 equipped.



UNDERGROUND POWERLINES
INSTALLATION



LONG DISTANCE NETWORKS
INSTALLATION



METROPOLITAN NETWORKS
INSTALLATION



ACCESS NETWORKS INSTALLATION
(TRENCHING OR TRENCHLESS)



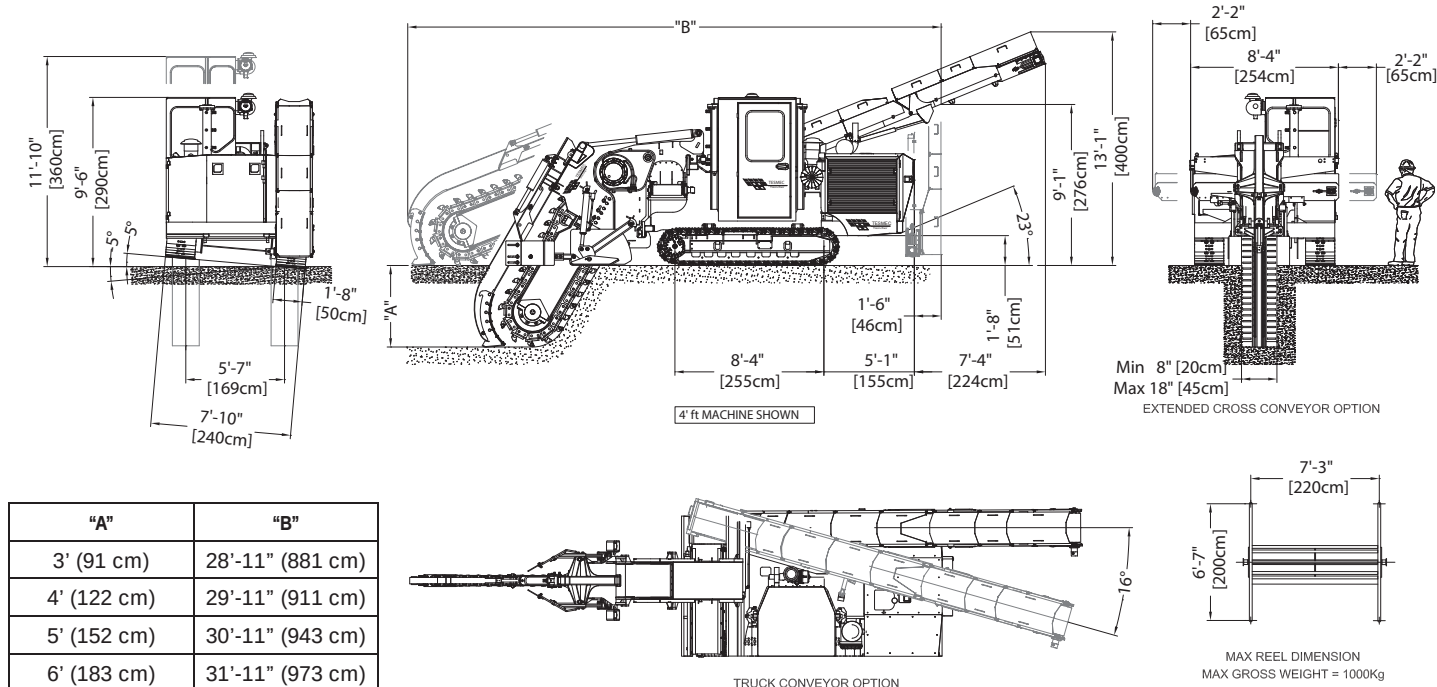
OPTICAL FIBER INSTALLATION



URBAN DRAINAGE WORKS



UNDERGROUND CONNECTION
NETWORKS INSTALLATION



885 CHAINSAW TECHNICAL SPECIFICATIONS

Standard Features

Pressurized cab with air conditioning, heating, sound suppression
Elevating cab module with roll over protection (ROPS)
Positive locking digging chain adjustment
Stabilizers with dirt drags: automatically adjust to terrain changes
Vibration isolator mount: used on engine, radiator, oil cooler, exhaust silencer and operator station
Electrical system: 24 V

Trenching Dimensions

Max depth.....6' (183 cm)
Widths range.....8"-18" (20 - 45 cm)
Offset.....5'-7" (169 cm)
Note: dependent on configuration and options

Engine

HIGHLY REGULATED COUNTRIES (EU, USA)
Model.....CAT C7.1 ACERT Tier 4f / Stage IV
Max horsepower.....250 hp (186 kW)
Max no load rpm.....2.050 rpm
Fuel tank capacity.....106 gal (400 l)
Urea tank capacity.....9.1 gal (34,5 l)
Fuel consumption.....13 gal/hr (49,2 l/hr) at full load
Estimated max urea consumption at full load.....4% of fuel consumption
AD Blue tank capacity.....8,5 gal (32 l)
AD Blue consumption.....0,5 gal/hr (1,8 l/hr) at full load
Cooling rating adequate for 122° F (50° C) ambient air temperature
Air cleaner: dry type, 2 stages with dual pre-cleaner

LESSER-REGULATED COUNTRIES
Model.....CAT C7.1 ACERT Tier 3
Max horsepower.....250 hp (186 kW)
Max no load rpm.....2.050 rpm
Fuel tank capacity.....106 gal (400 l)
Fuel consumption.....13.23 gal/hr (50.1 l/hr) at full load
Cooling rating adequate for 130° F (54,4° C) ambient air temperature
Air cleaner: dry type, 2 stages with dual pre-cleaner

Operating and Transport Weight

Weight.....39,683-52,910 lbs (18.000-24.000 kg)
Ground pressure.....8.5-11.2 psi (0.59-0.78 kg/cm²)
Note: dependent on configuration and options

Trencher Drive

Hydrostatic: one variable displacement pump and one motor
Flywheel gearbox: shaved, helical gearing, case hardened for extreme shock load
Infinitely variable digging attachment speeds.....0-700 fpm (0-210 m/min)
Tescmec designed single strand, 4.5" (11.4 cm) pitch chain, "K" or "M" style
Digging teeth: 1 1/2" (3,81 cm) diameter shank, rotary carbide insert.
Different teeth options available upon request. Please contact Tescmec for details

Crawler Drive

Dual path, hydraulic drive, planetary transmissions with single lever steering, single lever direction
Variable displacement pump and motor
Infinitely variable speed:
forward and reverse.....0-1.6 mph (0-2.6 km/hr)
Integral parking and service brake: spring applied, hydraulic release, wet disc brake

Tracks

Self-leveling (tilting) undercarriage:
• Track tilt angle: +5°/-5°
• Automatic/manual operation
Overall track length.....8' 4" (255 cm)
Track pad type: triple grouser
Track chain type: FL6
Track pad width.....1' 8" (50 cm)

Hydraulic Transmission

Pressure and flow compensated (load sensing)
Pump flow maximum.....71 gpm (270 l/min)
Pressure setting.....2.500 psi (172 bar)
Oil tank capacity.....80 gal (300 l)

Cross Conveyor

Pressure and flow compensated pump with dual hydraulic drive motors
Belt speed infinitely variable...0-1.150 fpm (0-350 m/min)
Discharge direction: right or left
Conveyor belt width.....1' 8" (50 cm)
Conveyor length.....6' 1" (185 cm)

Transport Dimensions

Length with crumshoe and truck loading conveyor.....
.....3 ft boom: 28' 11" (881 cm)
.....4 ft boom: 29' 11" (911 cm)
.....5 ft boom: 30' 11" (943 cm)
.....6 ft boom: 31' 11" (973 cm)
Width.....8' 4" (254 cm)
Height.....9' 6" (290 cm)

Main Available Devices

ALL001 Air compressor
ALL002 Side mounted truck loading conveyor - foldable and within transport dimension with short cross conveyor
ALL004 Extended cross conveyor with hydraulic shift
ALL012 Safety devices
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
OPT020 Laying box (light or heavy)
OPT021 Rollers
OPT022 Reel carrier
OPT023 Remote control for maintenance
OPT025 Oil pump

For a complete devices list see the Available Devices chart