

975EVO



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 5.0
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"
122-305 cm

12"-18"
30-45 cm

DOUBLE LINK CHAIN BOOM

4'-10"
122-305 cm

18"-28"
45-71 cm

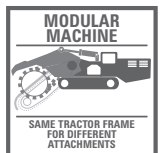
DOUBLE CHAIN BOOM

4'-8"
122-244 cm

24"-36"
61-91 cm

FEATURES AND APPLICATIONS

Mid-size Chainsaw trencher conceived for rock excavation for utilities projects such as fiber optic, electric cables, water conduits, pipelines and other. The 975EVO can be equipped with elevating cabin and tilting tracks; upon request it can also fit an automatic laying system for fiber optic back-bone projects or electric cable networks. TrenchTronic 5.0 equipped.



PIPELINE CONSTRUCTION



UNDERGROUND POWERLINES INSTALLATION



LONG DISTANCE NETWORKS INSTALLATION



METROPOLITAN NETWORKS INSTALLATION



OPTICAL FIBER INSTALLATION



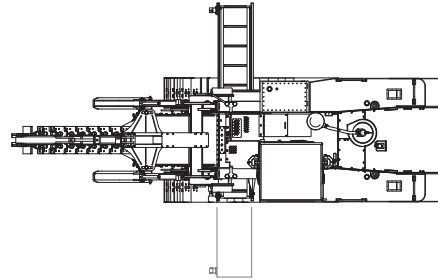
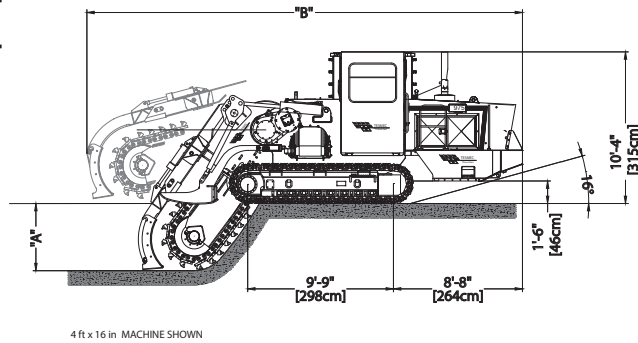
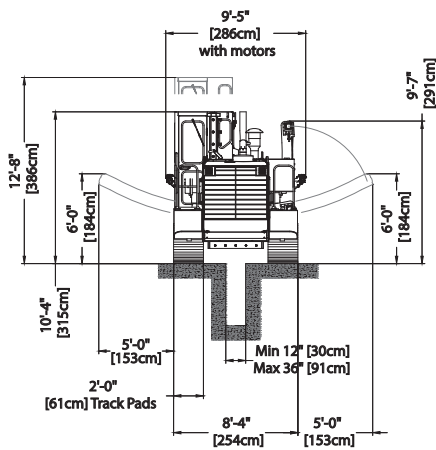
URBAN DRAINAGE WORKS



UNDERGROUND CONNECTION NETWORKS INSTALLATION



WATER AND SEWAGE NETWORKS INSTALLATION



"A"	"B"
4' (122 cm)	29'-2" (888 cm)
6' (183 cm)	31'-5" (958 cm)
8' (244 cm)	34'-1" (1039 cm)
10' (305 cm)	36'-4" (1108 cm)

975EVO CHAINSAW TECHNICAL SPECIFICATIONS

Standard Features

Pressurized elevating ROPS and FOPS cab with air conditioning, heating, sound suppression
 Electrical system: 24 V
 Anti vibration isolator mounts: used on engine, radiator/oil cooler unit and cab
 Stabilizers with trench cleaners: automatically adjust to terrain changes
 Positive locking digging chain adjustment

Trenching Dimensions

3 different configurations available:
 SINGLE CHAIN BOOM* with Single strand 4.5" (11.4 cm) pitch chain:

- Max depth.....10' (305 cm)
- Widths range.....12"-18" (30-45 cm)

DOUBLE LINK CHAIN BOOM with Double link "K" 4.5" (11.4 cm) pitch chain:

- Max depth.....10' (305 cm)
- Widths range.....18"-28" (45-71 cm)

DOUBLE CHAIN BOOM with Double strand 4.5" (11.4 cm) pitch chain:

- Max depth.....8' (244 cm)
- Widths range.....24"-36" (61-91 cm)

Note: dependent on configuration and options

* Subject to restriction in use and limitation in max. transmissible power. Please contact Tesmec for details

Engine

HIGHLY REGULATED COUNTRIES (EU, USA)
 Model.....Caterpillar C9.3B US EPA Tier 4 / EU Stage V
 Max gross horsepower.....375 hp (280 kW)
 Max no load rpm.....2000 rpm
 Fuel tank capacity.....174 gal (660 l)
 Urea tank capacity.....17.3 gal (65.4 l)
 Fuel consumption at full load.....18 gal/hr (68 l/hr)
 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
 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 pre-cleaner and automatic dust ejection

Operating and Transport Weight

Weight:.....55,116-70,548 lbs (25'000-32'000 kg)
 Ground pressure:.....9.7-12.4 psi (0.68-0.87 kg/cm²)
 Note: dependent on configuration and options

Trencher Drive

Hydrostatic: two pumps and two motors capable of transmitting full engine horsepower
 Flywheel gearboxes, shaved, helical gearing, case hardened for extreme shock load
 Two Operator Selectable Digging Speed Ranges:
0-285 fpm (0-87 m/min)
0-500 fpm (0-152 m/min)
 Tesmec designed single strand or double link 4.5" (11.4 cm) pitch chain, "K" style
 Standard cutters: rotary carbide tipped 1.5" (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
 Speed ranges:
 • High range.....0-1.71 mph (0-2.75 km/hr)
 • Low range.....0-0.86 mph (0-1.38 km/hr)
 Integral parking and service brake: spring applied, hydraulic release, wet disc brake

Tracks

Overall track length.....9' 9" (298 cm)
 Track pad type: triple grouser (single or double grouser also available as option)
 Track chain type: Caterpillar D5
 Track pad width.....2' (61 cm)

Hydraulic Transmission

Pressure and flow compensated (load sensing)
 Pump flow maximum.....43 gpm (164 l/min)
 Pressure setting.....2.500 psi (172 bar)
 Oil tank capacity.....73 gal (275 l)

Cross Conveyor

Pressure and flow compensated pump with dual hydraulic drive motors
 Reversible and shiftable
 Belt speed infinitely variable 0-790 fpm (0-240 m/min)
 Discharge direction: right or left
 Conveyor belt width.....1' 11" (60 cm)
 Conveyor length.....8' 3" (250 cm)
 Discharge height.....6' (184 cm)

Transport Dimensions

Length with crumbshoe without truck loading conveyor.....4 ft boom: 29' 2" (888 cm)
6 ft boom: 31' 5" (958 cm)
8 ft boom: 34' 1" (1039 cm)
10 ft boom: 36' 4" (1108 cm)
 Width, no motor removal.....9' 5" (286 cm)
 Width, with motor removal.....8' 4" (254 cm)
 Height10' 4" (315 cm)

Main Available Devices

Ask Tesmec for a complete devices list