

1150EVO



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 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

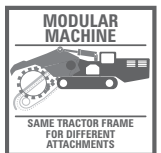
6'-8"
 183-244 cm
 14"-20"
 35-51 cm

DOUBLE CHAIN BOOM

6'-12"
 183-366 cm
 26"-42"
 66-107 cm

FEATURES AND APPLICATIONS

60 metric ton-class, TrenchTronic 5.0 equipped rock trencher for mid-size pipelines; the 1150EVO is the best-selling Tesmec trencher. This model is equipped with a 451 hp engine and can dig up to 12' (366 cm) deep and up to 42" (107 cm) wide, making it the ideal trencher for mid-size pipelines and underground utilities.



PIPELINE CONSTRUCTION



UNDERGROUND POWERLINES INSTALLATION



LONG DISTANCE NETWORKS INSTALLATION



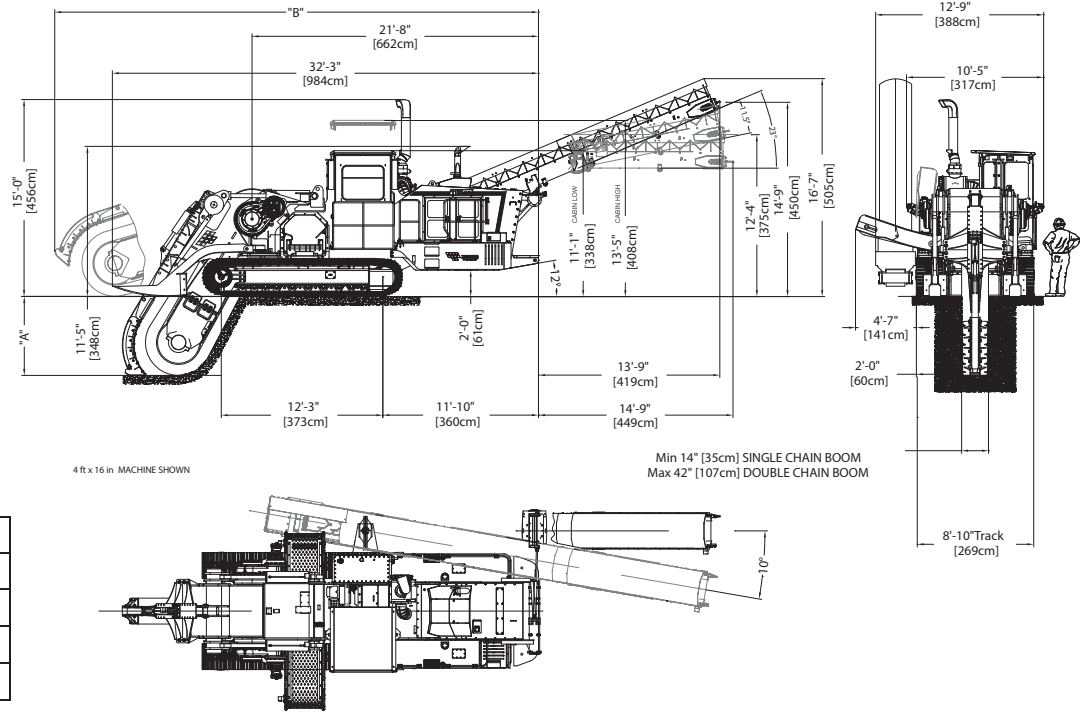
URBAN DRAINAGE WORKS



UNDERGROUND CONNECTION NETWORKS INSTALLATION



WATER AND SEWAGE NETWORKS INSTALLATION



1150EVO CHAINSAW TECHNICAL SPECIFICATIONS

Standard Features

Pressurized cab with air conditioning, heating, sound suppression
 Elevating cab module with Roll-Over Protective Structure (ROPS) and Falling Object Protective Structure (FOPS)
 Electrical system: 24 V
 Stabilizers with adjustable drags
 Fuel and hydraulic tank: aircraft quality locking caps
 Gearboxes, fuel and hydraulic tanks: pressurized with 5 psi (0.3 bar) filtered breathers
 Vibration isolator mounts: used on engine, radiator, oil cooler, exhaust silencer and cab
 Cab and compartment security locks

Trenching Dimensions

SINGLE CHAIN BOOM

- Max depth.....8' (244 cm)
- Widths range.....14"-20" (35-51 cm)

DOUBLE CHAIN BOOM

- Max depth.....12' (366 cm)
- Widths range.....standard boom 30"-42" (76-107 cm)
special boom 26"-42" (66-107 cm)

Engine

HIGHLY REGULATED COUNTRIES (EU, USA)
 Model.....Cummins X12 EPA Tier 4 final/ Stage V
 Max horsepower.....451 hp (336 kW)
 Max no load rpm.....1.850 rpm
 Fuel tank capacity.....358 gal (1355 l)
 Urea tank capacity.....30 gal (113 l)
 Fuel consumption.....21,5 gal/hr (81 l/hr) at full load
 Estimated max urea consumption at full load.....4% of fuel consumption
 Cooling rating adequate for 122° F (50° C) ambient air temperature
 Air cleaner: dry type, 2 stages with pre-cleaner and automatic dust ejection

LESSER REGULATED COUNTRIES

Model.....CAT C13 ACERT Tier 3
 Max horsepower.....440 hp (328 kW)
 Max no load rpm.....2.100 rpm
 Fuel tank capacity.....324 gal (1.230 l)
 Fuel consumption.....23 gal/hr (87 l/hr) at full load
 Cooling rating adequate for 122° F (50° C) ambient air temperature
 Air cleaner: dry type, 2 stages with pre-cleaner and automatic dust ejection

Operating and Transport Weight

Weight.....110,309-124,560 lbs (45.500-56.500 kg)
 Ground pressure.....14.5-18.0 psi (1.02-1.26 kg/cm²)
 Note: dependent on configuration and options

Trencher Drive

Hydrostatic: two pumps and two motors capable of transmitting full engine horsepower in the digging chain speed from 285 fpm to 555 fpm
 Flywheel gearboxes: shaved, helical gearing, case hardened for extreme shock load
 4 operator selectable digging speed ranges:
0-285 fpm (0-87 m/min)
0-360 fpm (0-110 m/min)
0-455 fpm (0-139 m/min)
0-555 fpm (0-169 m/min)
 Digging chain: CAT 54/345 or equivalent
 Cutters: rotary carbide tipped 1 1/2" (3.81 cm) shank diameter
 Digging chain boom top roller
 Hydraulic digging chain adjustment

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.....0-2.05 mph (0-3,3 km/hr)
- Low range.....0-0.93 mph (0-1,5 km/hr)

Integral parking and service brake: spring applied, hydraulic release, wet disc brake

Tracks

Overall track length.....12' 5" (378 cm)
 Track pad type: single, double or triple grouser
 Track chain type: Caterpillar 42/325 or equivalent
 Track pad width.....1' 11" (60 cm)

Hydraulic Transmission

Pressure and flow compensated (Load sensing)
 Auxiliary pump flow maximum.....66 gpm (250 l/min)
 Auxiliary pressure setting.....2.500 psi (172 bar)
 Oil tank capacity.....104 gal (394 l)

Cross 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' 6" (76 cm)
 Conveyor length.....13' 8" (416 cm)
 Discharge height.....4'1" - 5'11" (124-181 cm)

Transport Dimensions

Length with crumbshoe and counterweight:
6 ft boom: 36' 8" (1.118 cm)
8 ft boom: 38' 8" (1.179 cm)
10 ft boom: 41' 0" (1.250 cm)
12 ft boom: 43' 0" (1.311 cm)
 Width*.....10' 5" (317 cm)
 Height with low cab.....11' 5" (348 cm)
 * width could be reduced to 9'-3" (280 cm) removing digging motors

Main Available Devices

Ask Tesmec for a complete devices list