## Trenchers for Urban drainage works

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<td>196 hp (146 kW)</td>
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<td>975</td>
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<td>6’-12” (183-366 cm) 18”-42” (45-107 cm)</td>
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<td>1675</td>
<td>760 hp (567 kW)</td>
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<td>249,124-308,649 lbs (113,000-140,000 kg)</td>
<td>8’-24” (244-732 cm) 28”-72” (71-183 cm)</td>
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<tr>
<td>M3</td>
<td>350 hp (261 kW)</td>
<td>Caterpillar C9 ACERT</td>
<td>95,000-135,000 lbs (43,091-61,235 kg)</td>
<td>6’-12” (183-366 cm) 26”-40” (66-102 cm)</td>
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<tr>
<td>M5</td>
<td>440 hp (328 kW)</td>
<td>Caterpillar C13 ACERT</td>
<td>140,000-161,000 lbs (63,502-73,028 kg)</td>
<td>6’-16” (183-488 cm) 30’-42” (76-107 cm)</td>
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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 3.0 EQUIPPED.
Standard Features
Pressurized cab with air conditioning, heating, sound suppression
Elevating cab module with roll over protection (ROPS)
TrenchTronic 3.0 electronic machine control with:
• Operator selectable digging pressure and automatic operation
• Fully automatic operation
• Remote diagnostic system
• Positive locking digging chain adjustment
Stabilizers with dirt drags: automatically adjust to terrain changes
Vibration isolator mount: used on engine, radiator, coolant, exhaust silencer and operator station
Electrical system: 24 V

Trenching Dimensions
SINGLE BOOM
• Max depth: 5’ (152 cm)
• Widths range: 8”-18” (20 - 45 cm)

Operating and Transport Weight
Weight: 39,683-46,297 lbs (18,000-21,000 kg)
Ground pressure: 0.70-0.80 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

Ininitely variable digging chain speeds:
• (Rock) 1” (2.54 cm) diameter shank, rotary carbide insert
• (Dirt) single edge, hard surface cup cutters

Crawler Drive
Variable displacement pump and motor

Ininitely variable speed:
forward and reverse: 0.2-2.2 mph (0-3.6 km/hr)

Belts speed infinitely variable

Weight: 39,683-46,297 lbs (18,000-21,000 kg)

Hydraulic Transmission
Pressure and flow compensated (load sensing)

Pump flow maximum: 46 gpm (175 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

Conveyor belt width: 1’ 8” (50 cm)

Conveyor length: 8’ 4” (253 cm)

Transport Dimensions
Length:
• 3 ft boom: 28’ 11” (883 cm)
• 4 ft boom: 29’ 11” (913 cm)
• 5 ft boom: 30’ 11” (943 cm)

Width:
• 2’ 2” (65 cm)

Height:
• 9’ 6” (290 cm)

Available Devices
Work light package: 24 V, for night use

Automatic laser control system for depth control (Trimble make)

Hydraulic crumbshoe

Automatic laying systems for cable and PVC pipe

Extended cross conveyor with hydraulic shift

Fuel pump, quick fill

Digging teeth:
• (Rock) 1 1/2” diameter shank, rotary carbide insert
• (Dirt) Tesmec spade teeth

Note: available with TESMEC blocks that allow use of all industry standard 1-1/2” conical teeth, as well as TESMEC spade teeth

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MID-SIZE CHAINSAW TRENCHER CONCEIVED FOR ROCK EXCAVATION FOR UTILITIES PROJECTS SUCH AS FIBER OPTIC, ELECTRIC CABLES, WATER CONDUITS, PIPELINES AND OTHER. THE 975 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 3.0 EQUIPPED.
Standard Features
Pressurized cab with air conditioning, heating, sound suppression
Elevating cab module with roll over protection (ROPS)
TrenchTronic 3.0 electronic machine control with:
- Operator selectable digging pressure and automatic operation
- Fully automatic operation
- Remote diagnostic system
Electrical system: 24 V
- Remote diagnostic system
- Fully automatic operation

Engine
Model..................................CAT C9 ACERT Tier 3
Max horsepower..................325 hp (242 kW)
Max no load rpm...................2,000 rpm
Fuel tank capacity...........193 gal (730 l)
Fuel consumption.....................15.4 gal/hr (53.3 l/hr)
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...........................................65,116-72,752 lbs
(25,000-33,000 kg)
Ground pressure..................9.7-12.4 lbs/Sq Inch
(0.68-0.90 kg/cm²)
Note: dependent on configuration and options

Trencher Drive
Hydrostatic: one pump and two motors capable of transmitting full engine horsepower
Flywheel gearboxes
Ininitely variable digging chain speeds
0-525 fpm (0-160 m/min)
Tesmec designed single strand or double link 4.5” (11.4 cm) pitch chain, “K” style
Standard cutters: rotary carbide tipped 1 ½” (3.8 cm) shank diameter
Optional cutters: single edge, hard surfaced spade teeth for dirt - Tesmec dirt tool with 1 ½” (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
Ininitely variable speed: forward and reverse
Speed ranges:
- High range..................0-2.5 mph (0-4 km/hr)
- Low range..................0-1.4 mph (0-2.2 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
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
0-780 fpm (0-240 m/min)
Discharge direction: right or left
Converter belt width...........1’ 11” (60 cm)
Converter length...........8’ 3” (250 cm)
Discharge height...........4’ 8” (145 cm)

Transport Dimensions
Length with crumbshoe without truck loading conveyor
4’ boom: 27’ 6” (839 cm)
6’ boom: 29’ 10” (909 cm)
8’ boom: 32’ 6” (990 cm)
10’ boom: 34’ 8” (1,059 cm)

Width, with motor removal
8’ 7” (261 cm)
Width, with motor removal
8’ 4” (254 cm)
Height.................................10’ 4” (315 cm)

Available Devices
Work light package: 24 V, for night use
Laser control system pre-wire
Hydraulic crumbshoe
Cab anti-vandalism window covers
Polyurethane or rubber track pads
TESMEC combination digging tool holders

Available on special order
Tilt tracks:
- Track tilt angle: 9º each direction (18º total)
- Automatic/Manual operation
50 Metric Ton-class, TrenchTronic 3.0 equipped rock trencher for mid-size pipelines; the 1150XHD is the best-selling Tesmec trencher. This model is equipped with a 440 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.
Standard Features
- Pressurized air conditioning, heating, sound suppression
- Elevating cab module with roll over protection (ROPS)
- TrenchTronic 3.0 electronic machine control with:
  - Operator selectable digging pressure and automatic operation
  - Fully automatic operation
  - Remote diagnostic system
- Electrical system: 24 V
- Remote diagnostic system
- Fully automatic operation

Max horsepower: 440 hp (328 kW)
Model: CAT C13 ACERT Tier 3

Operating and Transport Weight
- Weight: 110,231-132,278 lbs (50,000-60,000 kg)
- Ground pressure: 15.6-18.5 lbs/Sq Inch (1.1-1.3 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
  - Infinitely variable digging chain speeds
- Tesmec designed 6.5" pitch digging chain for single chain configuration or 4.5" pitch digging chain for double chain configuration
- Cutters: rotary carbide tipped 1 ½" (3.81 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: 0-2.77 mph (0-4.46 km/hr)
  - Low range: 0-1.25 mph (0-2.01 km/hr)
- Integral parking and service brake: spring applied, hydraulic release, wet disc brake
  - Pressure setting: 2,500 psi (172 bar)
  - Oil tank capacity: 100 gal (378 l)

Cross Conveyor
- Pressure and flow compensated pump with dual hydraulic drive motors
- Reversible and shiftable
- Belt speed infinitely variable
- Discharge direction: right or left
- Convoyer belt width: 2.6" (76 cm)
- Convoyer length: 13' 8" (416 cm)
- Discharge height: 4'-4" (123-181 cm)

Transport Dimensions
- Length with crumbshoe and counterweight: 6 ft boom: 36' 5" (1.112 cm)
- Width*: 9' 6" (290 cm)
- Height with cabin: 11' 1" (338 cm)
* width could be reduced to 110" (280 cm) removing digging motors

Available Devices
- Work light package: 24 V, for night use
- Laser control system
- Hydraulic crumbshoe
- Cab anti-vandalism window covers
- TESMEC combination digging tool holders
90 metric ton-class rock trencher for mid to big size pipelines, the 1475 is the second largest Tesmec chainsaw trencher. TrenchTronic 3.0 equipped, this 630 HP powered unit can dig trenches for big-diameter pipe up to 16’ (488 cm) deep in the toughest conditions.
### Standard Features
- Pressurized cab with air conditioning, heating, sound suppression
- Elevating cab module with roll over protection (ROPS)
- TrenchTonic 3.0 electronic machine control with:
  - Operator selectable digging pressure and automatic operation
  - Fully automatic operation
  - Remote diagnostic system
- Battery box and toolbox with locking door
- Fuel and hydraulic tank: aircraft quality locking caps
- Flywheel gearboxes: pressurized with 5 psi (0.3 bar) filtered breathers
- Flywheel gearboxes: shaved, helical gearing, case hardened for extreme shock load
- Vibration isolator mount: used on engine, radiator, oil cooler, and exhaust silencer
- Coolers / dirt drags (chainsaw only): automatically adjust to terrain changes
- Lights: 24 V forward facing
- Electrical system: 24 V

### Trenching Dimensions
- **SECTIONAL BOOM**
  - Depths range: 8’ through 16’ (244 cm through 488 cm)
  - Min width: 32” (81 cm)
  - Max width limited by depth:
    - Max width 48” (122 cm) at 12’ (366 cm) depth
    - Max width 42” (107 cm) at 14’ (427 cm) depth
    - Max width 36” (91 cm) at 16’ (488 cm) depth
  - Note: dependent on configuration and options

### Engine
- Model: CAT C18 ACERT Tier 3
- Max horsepower: 630 hp (470 kW)
- Max no load rpm: 2,150 rpm
- Fuel tank capacity: 360 gal (1,363 l)
- Fuel consumption: 34.6 gal/hr (131 l/hr) at full load
- Cooling rating adequate for 122° F (50° C)

### Operating and Transport Weight
- Weight: 169,756-242,509 lbs (77,000-110,000 kg)
- Ground pressure: 15-21.5 lbs/Sq Inch (1.05-1.51 kg/cm²)

### Trencher Drive
- Hydrostatic: four pumps and two motors capable of transmitting full engine horsepower
- Flywheel gearboxes, shaved, helical gearing, case hardened for extreme shock load
- 4 operator selectable digging speed ranges:
  - 0.400 fpm (0.122 m/min)
  - 0.470 fpm (0.143 m/min)
  - 0.530 fpm (0.162 m/min)
  - 0.600 fpm (0.183 m/min)
- Tailwheel diameter: 4’ (122 cm)
- Headshaft diameter: 1’ (30.8 cm)
- Cutters: rotary carbide tipped 1 ½” (3.81 cm) shank diameter
- D9L

### 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: 0-1.62 mph (0.259 km/hr)
  - Low range: 0-0.81 mph (0.130 km/hr)
- Integral parking and service brake: spring applied, hydraulic release, wet disc brake

### Hydraulic Transmission
- Pressure and flow compensated (load sensing)
- Pump flow maximum: 45 gpm (170 l/min)
- Pressure setting: 2,500 psi (172 bar)
- Oil tank capacity: 191 gal (723 l)

### Cross Conveyor
- Hydrostatic: one pump and two motors
- Reversible and shiftable
- Belt speed infinitely variable
- Discharge direction: right or left
- Conveyor belt width: 2’ 11” (81.4 cm)
- Conveyor length: 14’ 9” (450 cm)
- Discharge height: 14” 7” (373 cm)

### Transport Dimensions
- Length with crumbshoe:
  - 8 ft boom: 12’ 7” (3.78 cm)
  - 10 ft boom: 14’ 3” (4.32 cm)
  - 12 ft boom: 16’ 6” (4.98 cm)
  - 14 ft boom: 19’ 6” (5.94 cm)
  - 16 ft boom: 22’ 0” (6.71 cm)
- Width:
  - 11’ 6” (3.50 m) with motor removal
  - Height with cab:
    - 12’ 3” (3.73 m)
  - Height with cab elevated:
    - 14’ 6” (4.41 m)

### Available Devices
- Work light package: 24 V, for night use
- Laser control system
- Hydraulic crumbshoe
- Cab anti-vandalism window covers
- Air compressor

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Note: Pictures & drawings can be different according to technical specifications. Updating programme variations without notice are possible.
Tesmec’s largest Chainsaw Trencher is conceived as a high-productivity machine for big diameter pipelines and utilities projects in hard rock. TrenchTronic 3.0 equipped, thanks to its 751 HP engine the 1675 can cut trenches up to 22’ (671 cm) deep and 72” (183 cm) wide. The peak of excellence for big projects in the toughest excavating conditions.
### Standard Features
- Pressurized cab with air conditioning, heating, sound suppression
- Elevating cab module with roll over protection (ROPS)
- Engine: Cummins QSK 19
- Max depth: 24' (732 cm)

### Trenching Dimensions
- Lights: 24 V forward facing cooler, and exhaust silencer
- Vibration isolator mount: used on engine, radiator, oil gearboxes and hydraulic tanks: pressurized with 5 bars (0.5 MPa)
- Battery box and toolbox with locking door
- Remote diagnostic system
- Fully automatic operation
- Operator selectable digging pressure and trenching speed
- Elevating cab module with roll over protection (ROPS)
- Pressurized cab with air conditioning, heating, sound suppression

### Engine
- Model: Cummins QSK 19
- Max horsepower: 760 hp (567 kW)
- Max no load rpm: 2,100 rpm
- Fuel tank capacity: 430 gal (1,630 l)
- Fuel consumption: 36 gal/hr (136 l/hr) at full load
- Cooling rating average for 122°F (50°C) ambient temperature: 8,000 ft (2,439 m) alt
- Air cleaner: dry type, 2 stages with dual pre-cleaner

### Operating and Transport Weight
- Weight: 249,124-308,649 lbs (113,000-140,000 kg)
- Ground pressure: 21.8-27 lbs/Sq Inch (113.000-140.000 kg)
- Operating and transport weight: 21.8-27 lbs/Sq Inch (113.000-140.000 kg)
- Weight: 249,124-308,649 lbs (113,000-140,000 kg)
- Height with cab: 13' 1" (398 cm)
- Sectional Boom
  - Depths: 8' through 24' (244 cm through 732 cm)
  - Infinitely variable digging chain speeds
  - Flywheel gearboxes, shaved, helical gearing, case hardened for extreme shock load
  - Tailwheel diameter: 4' (122 cm)
  - Headshaft diameter: 1' (31.8 cm)
  - Cutters: rotary carbide tipped 1 ½" (3.8 cm) shank diameter
  - Digging chain: 67/D9N

### Trencher 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: 0-2.1 mph (3.36 km/hr)
  - Low range: 0-1.1 mph (1.76 km/hr)
- Integral parking and service brake: spring applied, hydraulic release, wet disc brake

### Hydraulic Transmission
- Pressure and flow compensated (load sensing)
- Pump positions: 65 gpm (245 l/min)
- Pressure setting: 2,500 psi (172 bar)
- Oil tank capacity: 235 gal (890 l)

### Cross Conveyor
- Hydrostatic: one pump and two motors
- Reversible and shiftable
- Belt speed infinitely variable: 0-900 fpm (0-275 m/min)
- Discharge direction: right or left
- Conveyor belt width: 3' 6" (107 cm)
- Conveyor length: 17' 0" (518 cm)
- Discharge height: 8' 1" (246 cm)

### Transport Dimensions
- Length with boom and guard: 60' 4" (1.840 cm)
- with 30" (76 cm) track pads
- Height with cab: 13' 1" (398 cm)

### Available Devices
- Work light package: 24 V, for night use
- Laser control system
- Hydraulic crumbshoe
- Cab anti-vandalism window covers
- Air compressor
- Increased cooling capacity for high temperature ambient application
- Truck conveyor
TESMEC’S SMALLEST TORQUE CONVERTER EQUIPPED UNIT @ 350 HP FEATURES VERY HIGH CHAIN PULL AND VERY LOW CHAIN SPEED. ORIENTED TOWARD TRENCHING REQUIREMENTS IN HIGHLY ABRASIVE AND EXTREME ROCK CONDITIONS. TRENCHTRONIC 2.0 EQUIPPED.
**Standard Features**

- Pressurized cab with air conditioning, heating, sound suppression
- Elevating cab module with roll over protection (ROPS)
- Load control: automatic optimal digging performance feature
- Auto stabilizers or adjustable bar scrapers on chainsaw models (optional)
- Tool box/battery box with locking door
- Engine doors with security locks
- Fuel and hydraulic tank: aircraft quality locking caps
- Engine doors with security locks
- Conveyors fold: hydraulic winch and oil cooler
- Vibration isolator mount: used on engine, radiator
- Hydraulic digging chain adjustment
- Digging chain boom top roller
- Hydraulic chain tensioner
- Lights: 24 V forward facing
- Fuel and hydraulic tank: aircraft quality locking caps
- Engine doors with security locks
- Conveyors fold: hydraulic winch
- Electrical system: 24 V starting, 24 V controls
- Load control: automatic optimal digging performance feature

**Operating and Transport Weight**

- Weight......95,000-135,000 lbs (43.091-61.235 kg)

**Note:** dependent on configuration and options

**Trencher Drive**

- This powertrain is comprised of several components: an electronically controlled transmission driving a heavy-duty differential, which transmits power to the headshaft via sprockets and multi-strand roller chain
- Five operator selectable digging speed ranges:
  - 1st: 115-157 fpm (35-48 m/min)
  - 2nd: 151-206 fpm (46-63 m/min)
  - 3rd: 211-288 fpm (64-88 m/min)
  - 4th: 288-394 fpm (88-120 m/min)
  - 5th: 412-562 fpm (126-171 m/min)
- Cutters: rotary carbide tipped 1 ½” (3.81 cm) shank diameter
- Chain option: 54/345
- Note: chain speed are “as calculated” per a set-point horsepower output and may vary accordingly

**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........0-1.7 mph (0-2.72 km/hr)
  - Low range........0-0.85 mph (0-1.36 km/hr)
- Integral parking and service brake: spring applied, hydraulic release, wet disc brake

**Tract 5**

- Overall track length c/c: 12’ 6” (381 cm)
- Track pad type: single, double or triple grouser
- Track chain type: Caterpillar D6
- Track pad width: 2’ (61cm)

**Transmission**

- Model: caterpillar
- Oil filter: 6 micron paper cartridge integral filter
- Electronically controlled utilizing (5) digging speeds
- Capacity (refill): 10 gal (38 l)

**Hydraulic Transmission**

- Pressure and flow compensated (load sensing)
- Pump flow maximum: 45 gpm (170 l/min)
- Pressure setting: 2.750 psi (189 bar)
- Oil tank capacity: 97 gal (367 l)

**Cross Conveyor**

- Hydrostatic: one pump and two motors
- Reversible and shiftable
- Belt speed infinitely variable
- Min 1" (25 mm) x Max 10" (254 mm)
- 48' x 10' x 12' (1463 x 305 x 366 cm)
- Discharge direction: right or left
- Conveyor belt width: 7' 6" (229 cm)
- Conveyor length: 12' 4" (376 cm)
- Discharge height: 6' 1" (186 cm)

**Transport Dimensions**

- Length with crumbshoe: 6 ft boom: 38' 0" (1158 cm)
- 8 ft boom: 40' 6" (1235 cm)
- 10 ft boom: 42' 4" (1290 cm)
- 12 ft boom: 44' 7" (1359 cm)
- Width: 8' 0" (244 cm)
- Height with cab: 8' 9" (268 cm)
- Height with cab elevated: 14' 8" (447 cm)
- Height: 11' 2" (340 cm)

- Transport Dimensions

**Available Devices**

- Work light package: 24 V, for night use
- Laser control system pre-wire
- Hydraulic crumbshoe
- Cab anti-vandalism window covers
- Air compressor
- Stabilizers or adjustable bar scrapers

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PICTURES & DRAWINGS CAN BE DIFFERENT ACCORDING TO TECHNICAL SPECIFICATIONS - UPDATING PROGRAMME VARIATIONS WITHOUT NOTICE ARE POSSIBLE

[Diagram of Trencher]
Tesmec’s largest torque converter equipped unit @ 440 HP features industry leading high chain pull and very low chain speed. Oriented toward trenching requirements in highly abrasive and extreme rock conditions. TrenchTronic 1.0 equipped.
Standard Features
Pressurized cab with air conditioning, heating, sound suppression
Elevating cab module with roll over protection (ROPS)
Load control: automatic optimal digging performance feature
Battery box and toolbox with locking door
Hydraulic tank: pressurized with 5 psi (0.30 bar) filtered breathers
Vibration isolator mount: used on engine, radiator, oil cooler, and exhaust silencer
Stabilizers / dirt drags: automatically adjust to terrain changes
Lights: 24 V forward facing
Digging chain boom top roller
Hydraulic digging chain adjustment
Electrical system: 24 V starting, 24 V controls

Trenching Dimensions
Depths 6' through 16' (183 cm through 488 cm)
Track chain type: Caterpillar D7

Engine
Model: CAT C13 ACERT Tier 3
Max horsepower: 440 hp (328 kW)
Max no load rpm: 2,000 rpm
Fuel tank capacity: 405 gal (1,533 l)
Fuel consumption: 22.7 gal/hr (86 l/hr) at full load
Cooling rating adequate for 122° F (50° C) ambient air temperature

Operating and Transport Weight
Weight: 140,000-161,000 lbs (63,502-73,028 Kg)
Note: weight calculations based on Cat chain with 1 3/4” baseplates

Trencher Drive
This powertrain is comprised of several components: an electronically controlled transmission driving a heavy-duty differential, which transmits power to the headshaft via sprockets and multi-strand roller chain
Four operator selectable digging speed ranges:

- 1st: 98-197 fpm (30-60 m/min)
- 2nd: 129-259 fpm (39-79 m/min)
- 3rd: 180-361 fpm (55-110 m/min)
- 4th: 246-492 fpm (75-150 m/min)

Cutters: rotary carbide tipped 1 1/2” (3.81 cm) shank diameter
Note: chain speed are “as calculated” per a set-point horsepower output and may vary accordingly

Crawler Drive
Dual path, hydrostatic drive, planetary transmissions capable of full counter rotation with single lever steering, single lever direction
Ininitely variable speed: forward and reverse
Speed ranges:
  - High range: 0-2.4 mph (0-3.84 km/hr)
  - Low range: 0-1.3 mph (0-2.08 km/hr)

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

Tracks
Overall track length: 13’ 3” (404 cm)
Track pad type: single, double or triple grouser
Track chain type: Caterpillar D7
Track pad width: 30” (76 cm)

Transmission
Model: caterpillar
Oil filter: 6 micron paper cartridge integral filter
Electronically controlled utilizing (5) digging speeds
Capacity (refill): 10 gal (38 l)

Hydraulic Transmission
Pressure and flow compensated (load sensing)
Pump flow maximum: 45 gpm (170 l/min)
Pressure setting: 2,500 psi (172 bar)
Oil tank capacity: 97 gal (367 l)

Cross Conveyor
Hydrostatic: one pump and two motors
Reversible and shiftable
Belt speed infinitely variable

Transport Dimensions
Length without crumbshoe:
- 6 ft boom: 39' 7” (1.206 cm)
- 8 ft boom: 41' 11” (1.278 cm)
- 10 ft boom: 44' 1” (1.344 cm)
- 12 ft boom: 46' 11” (1.430 cm)
- 14 ft boom: 49' 1” (1.496 cm)
- 16 ft boom: 49' 2” (1.499 cm)

Width:
- 16' 4” (315 cm) with 30” (76 cm) track pads
- 9' 10” (300 cm) with 24” (61 cm) track pads
Height with cab:
- 11’ 6” (351 cm)
- Height with cab elevated: 13’ 11” (424 cm)
- Height with crumbshoe: 11’ 10” (361 cm)

Available Devices
Work light package: 24 V, for night use
Laser control system pre-wire
Hydraulic crumbshoe
Cab anti-vandalism window covers
Air compressor