

1150XHD



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 4.0

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



The drum cover in this picture doesn't correspond to the latest version available.

TRENCHING DIMENSIONS

DOWN-CUTTING

0-18"
0-50 cm

10'3"
312 cm

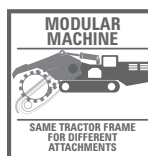
UP-CUTTING

0-12"
0-35 cm

10'3"
312 cm

FEATURES AND APPLICATIONS

The Rock Hawg version of the 1150XHD model has been designed for continuous surface mining; its 10' 3" (312 cm) wide drum is employed in bulk-excavations projects and open-pit quarries. Elevating cab, hydraulic stabilizers and TrenchTronic 4.0 equipped. It can work up-cutting or down-cutting by simply changing the attachment.



BULK EXCAVATION WORKS



RAILWAY SOIL PREPARATION



SOIL RECLAMATION



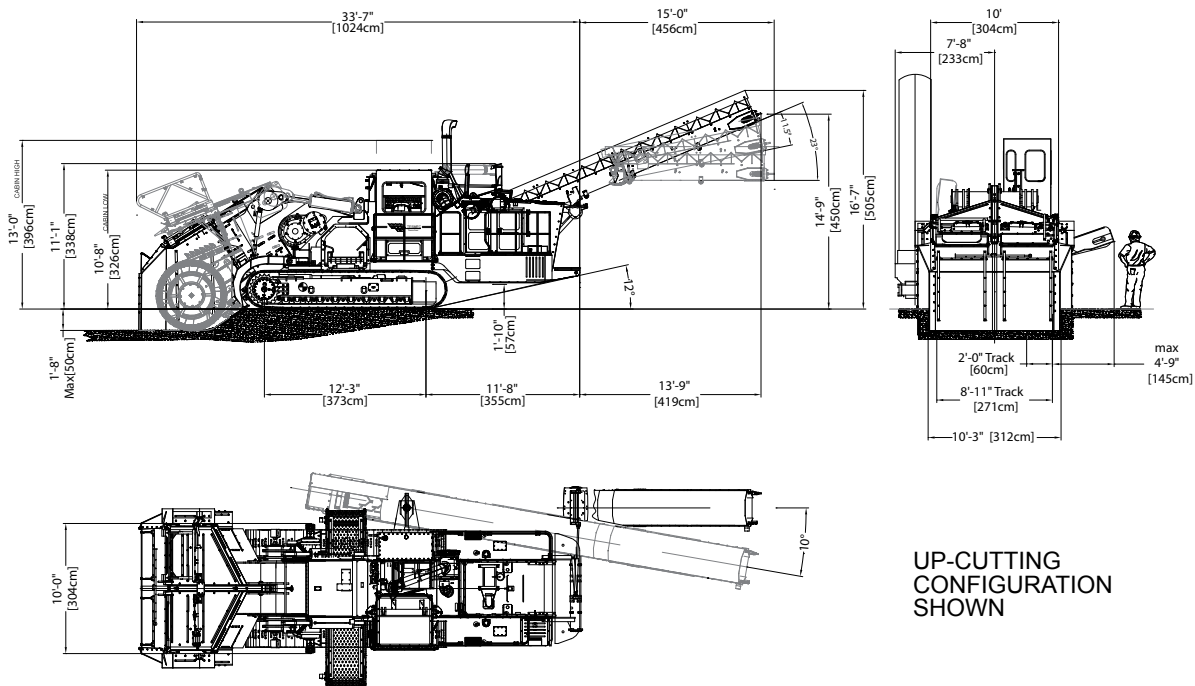
TUNNEL WORKS



SURFACE MINING



CHANNEL EXCAVATION



1150XHD ROCK HAWG TECHNICAL SPECIFICATIONS

Standard Features

Pressurized cab with air conditioning, heating, sound suppression
 Elevating cab module with roll over protection (ROPS)
 Electrical system: 24 V
 Stabilizers with adjustable drags
 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

Trenching Dimensions

Excavation width.....10' 3" (312 cm)
 Excavation depths range.....0-1' 8" (0-50 cm)
 Max recommended digging depth for maximum productivity.....1' (30.5 cm)
 Note: dependent on configuration and options

Engine

HIGHLY REGULATED COUNTRIES (EU, USA)
 Model.....Cummins QSG12 Tier 4
 Max horsepower.....451 hp (336 kW)
 Max no load rpm.....1.850 rpm
 Fuel tank capacity.....358 gal (1.355 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.....123,460 lbs (56.000 kg)
 Ground pressure.....17.5 psi (1.23 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 attachment speeds
0-625 fpm (0-190 m/min)
 Cutters: rotary carbide tipped 1 1/2" (3.81 cm) shank diameter 3" (7.62 cm) gage
 Drum tool tip diameter: 5'4" (163.5 cm)

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.....0-2.05 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.....2' (60 cm)

Hydraulic Transmission

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

Cross Conveyor (on up-cutting only)

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" - 6'1" (124-185 cm)

Transport Dimensions

Length.....34' 4" (1045 cm)
 Width.....10' 3" (312 cm)
 Height with cab.....11' 1" (338 cm)

Main Available Devices

ALL001 Air compressor
 ALL010 Automatic greasing
 ALL012 Safety devices (flashing light, rear-view mirror, external emergency buttons)
 ALL015 Pneumatic greasing
 OPT002 Fuel pump
 OPT003 Water spray dust suppression system
 OPT005 Laser automatic system for depth control
 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
 OPT018 Closed engine doors
 OPT023 Remote control for maintenance
 OPT025 Oil pump

For a complete devices list see the Available Devices chart