

# 1150XHD



**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 Control with:**  
Machine data remote monitoring  
Fleet location management  
Troubleshooting information  
Operating conditions



## TRENCHING DIMENSIONS

### DOWN-CUTTING

0-18"  
0-50 cm

10'3"  
312 cm

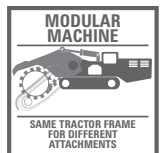
### UP-CUTTING

0-12"  
0-35 cm

10'3"  
312 cm

## FEATURES AND APPLICATIONS

The Rock Hawk 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



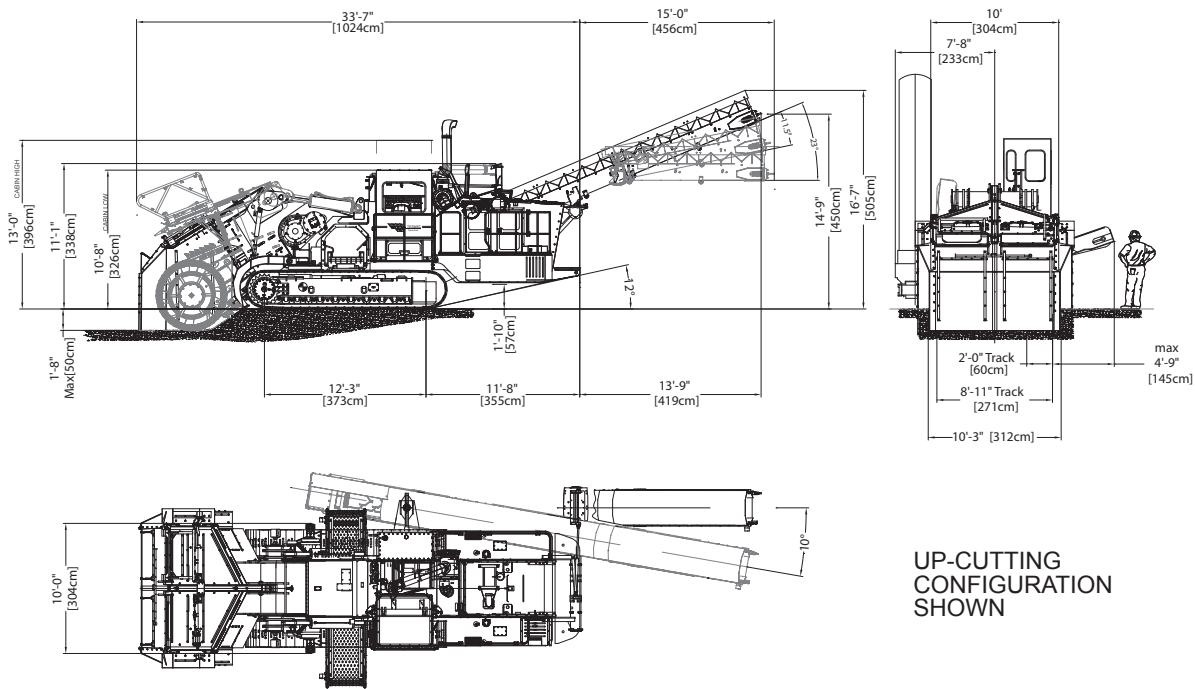
TUNNEL WORKS



SURFACE MINING



CHANNEL EXCAVATION



UP-CUTTING CONFIGURATION SHOWN

## 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/cm<sup>2</sup>)  
 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