



**GRASSHOPPER**  
Track Mounted RC/RAB Drill

**MULTI▶POWER**



## FEATURES

Light weight modular design

No module over 1250 lbs.

Ideal for early stage exploration

Available booster package to increase depth capacity



# Grasshopper - Track Mounted RC/RAB Drill

# SPECIFICATIONS

## DEPTH CAPACITIES: Based on 1150 CFM / 500 PSI compressor

<b>3-1/2" (89mm)</b>	330 ft / 100 m* <i>*Depending on ground conditions</i>
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## PRIME MOVER

<b>Model:</b>	Kubota V1505T, 4 cylinder, turbo charged diesel engine
<b>Power:</b>	44.2 HP @ 3000 RPM

## TRACK PACKAGE

<b>Model:</b>	Cat 304C
<b>Design:</b>	Hyd. driven piston motors, spring brake, 2 speed, 400mm shoes
<b>Speed:</b>	3.3 mph

## TOP DRIVE ROTATION UNIT:

<b>Max torque:</b>	1500 lbs /ft
<b>RPM:</b>	0-120 RPM
<b>Spindle:</b>	Floating w/ NSE2-7/8" Recon thread
<b>Rotation motor:</b>	Char-Lynn 6K series

## MAST AND FEED

<b>Design:</b>	Cylinder feed
<b>Pullback:</b>	16,200 lbs.
<b>Pulldown:</b>	8250 lbs.
<b>Feed speed:</b>	0-76 fpm
<b>Feed stroke:</b>	84"
<b>Working angle:</b>	45 to 90 degree
<b>Mast dump:</b>	40" travel

## SWIVEL

<b>Design:</b>	Combination air inlet/sample discharge
<b>Spindle:</b>	Floating
<b>Discharge:</b>	HD 2" Gooseneck assy.

## BLADE

<b>Width:</b>	7 ft
<b>Blade travel:</b>	6" below track bottom, 22" above track bottom

## HYDRAULIC SYSTEM

<b>Design:</b>	Fully hydraulic, no electronics, open loop
<b>Capacity:</b>	20 GPM
<b>System pressure:</b>	3000 PSI
<b>Filtration:</b>	10 micron
<b>Components:</b>	Sauer Danfoss, Char-Lynn & Parker
<b>Heat exchanger:</b>	Air:oil

## CONTROL PANEL

<b>Panel:</b>	Feed, rotate, setup functions, & E-stop
<b>Gauges:</b>	Rotation, holdback & air pressure

## WATER INJECTION PUMP

<b>Max flow:</b>	5 GPM
<b>Max pressure:</b>	550 PSI

## DRILL TABLE/BOP

<b>Opening:</b>	4-1/2"
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## WEIGHT 10,000 LBS.

## DIMENSIONS: 7' W X 13' 2" L X 7' 5" HT

## INCLUDED ACCESSORIES

Sample cyclone, air needle, saver sub, discharge/pressure hose

## OPTIONS

Compressor package  
Booster package  
RAB package  
Sample splitting equipment



Diamond Core



Seismic



Air Rotary



Specialty &  
Multi-Purpose

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