



**DISCOVERY UG 75 HP COMPACT**  
Underground Diamond Core Drill

**MULTI▶POWER**



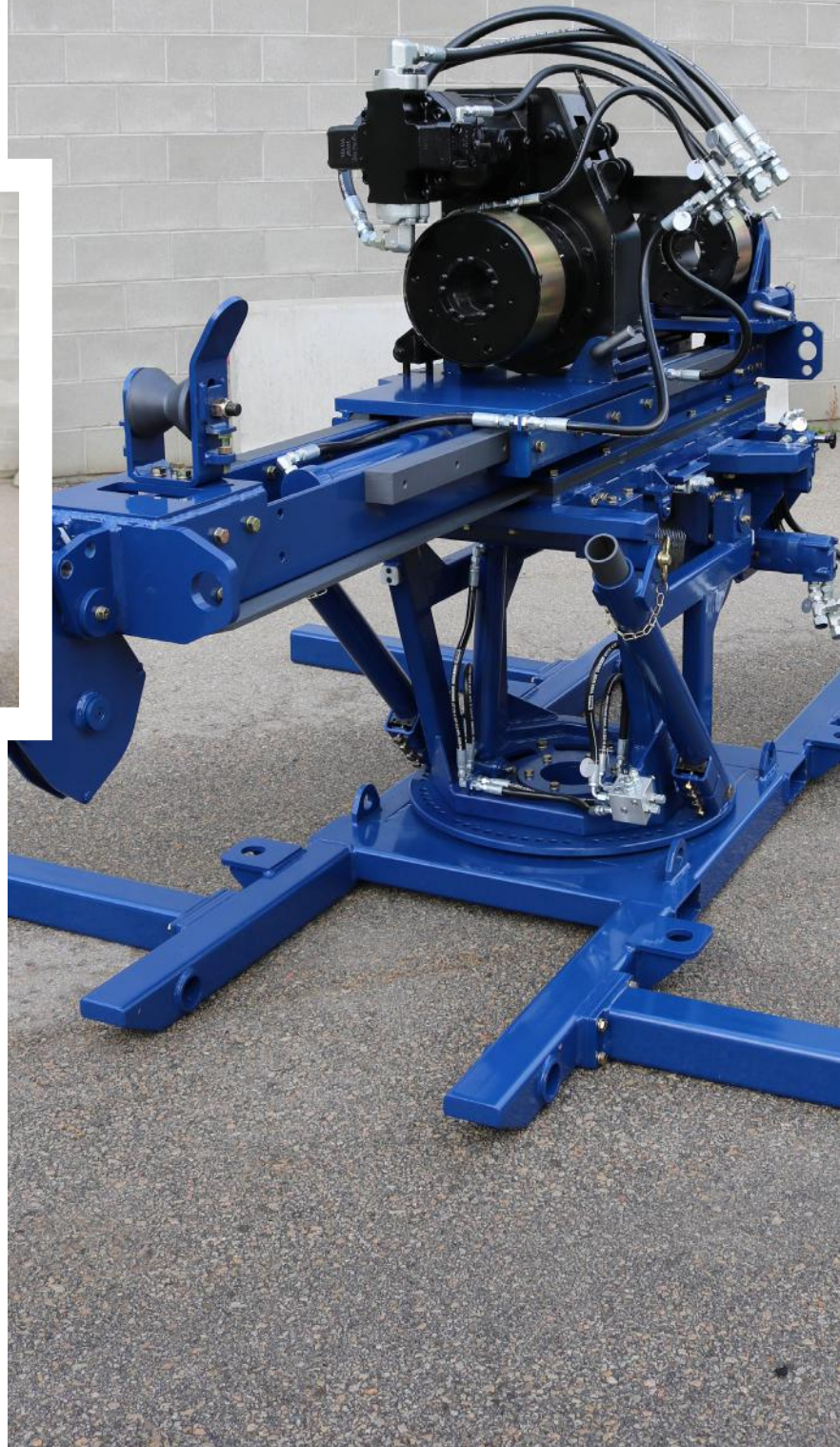
## FEATURES

75 HP (60 kw) power unit

Compact design

HWL chuck and footclamp

360 degree turntable base frame



# Discovery UG 75 HP Compact – Underground Diamond Core Drill

# SPECIFICATIONS

## DEPTH CAPACITIES: Based on max pullback & a 25% safety factor

<b>B</b>	2296 ft / 700 m
<b>N</b>	1640 ft / 500 m
<b>H</b>	1100 ft / 335 m

## PRIME MOVER

<b>Standard unit</b>	WEG electric motor (TEFC)
<b>Power:</b>	75 HP (60 kw) @ 1780 RPM
<b>Voltage:</b>	230 / 460 V 60 Hz 3 Phase* *Alternate voltage available upon request

## ROTATION UNIT

<b>Standard unit</b>	LW drill head c/w Christensen style "H" chuck
<b>Maximum opening:</b>	3-1/2" (H size)
<b>RPM:</b>	1400 RPM
<b>Torque:</b>	1500 ft lbs
<b>Chuck:</b>	35,000 lbs capacity
<b>Hydraulic motor:</b>	Rexroth 160cc variable speed/torque piston motor

## FOOTCLAMP

<b>Standard unit</b>	Christensen style "H" Clamp
<b>Maximum opening:</b>	3-1/2" (H size)

## MAST AND FEED

<b>Feed stroke:</b>	42"
<b>Pullback:</b>	14,726 lbs
<b>Feedforce:</b>	7,510 lbs
<b>Drill angle:</b>	360 degree (All positive and negative hole angles)
<b>Mast extension:</b>	10 ft rod pull capacity
<b>Mast dump:</b>	36"
<b>Base frame:</b>	360 degree turntable design

## WATER PUMP

<b>Standard unit</b>	L0918B-CD (420) piston pump
<b>Capacity:</b>	27 GPM @ 700 PSI

## WINCHES

<b>Wireline winch</b>	Hydraulic motor direct drive
<b>Capacity:</b>	2000 ft of 3/16" cable

## POWER UNIT MODULE

<b>Design</b>	Hydraulic motor direct drive
<b>Wheels</b>	(2) removable pneumatic tires
<b>Towing</b>	Removable tow bar w/ leveling hand jack
<b>Hydraulic connections</b>	Flush face quick couplers

## HYDRAULIC SYSTEM

<b>Controls:</b>	Fully hydraulic, no electronics
<b>Rod handling:</b>	Synchronized chuck & footclamp w/ chuck and clamp control
<b>System pressure:</b>	4000 PSI
<b>Filtration:</b>	10 micron
<b>Components:</b>	Sauer Danfoss, Valvoil, Rexroth & Parker
<b>Heat exchanger:</b>	Air:oil

## INCLUDED COMPONENTS

Mud mixer c/w whip lines
2000 ft of W/L cable
1 set of rod and casing jaws/bushings

## WEIGHT 5650 LBS

## OPTIONS

Tracked carrier
Level wind winch
Mud tank
French/Spanish labels & manual



Diamond Core



Seismic



Air Rotary



Specialty &  
Multi-Purpose

## MULTI POWER PRODUCTS LTD

975 CROWLEY AVENUE  
KELOWNA BC CANADA  
V1Y 9R6

P 250.860.6969  
F 250.860.3340

[MULTIPOWERPRODUCTS.COM](http://MULTIPOWERPRODUCTS.COM)

# MULTI▶POWER

[MULTIPOWERPRODUCTS.COM](http://MULTIPOWERPRODUCTS.COM)