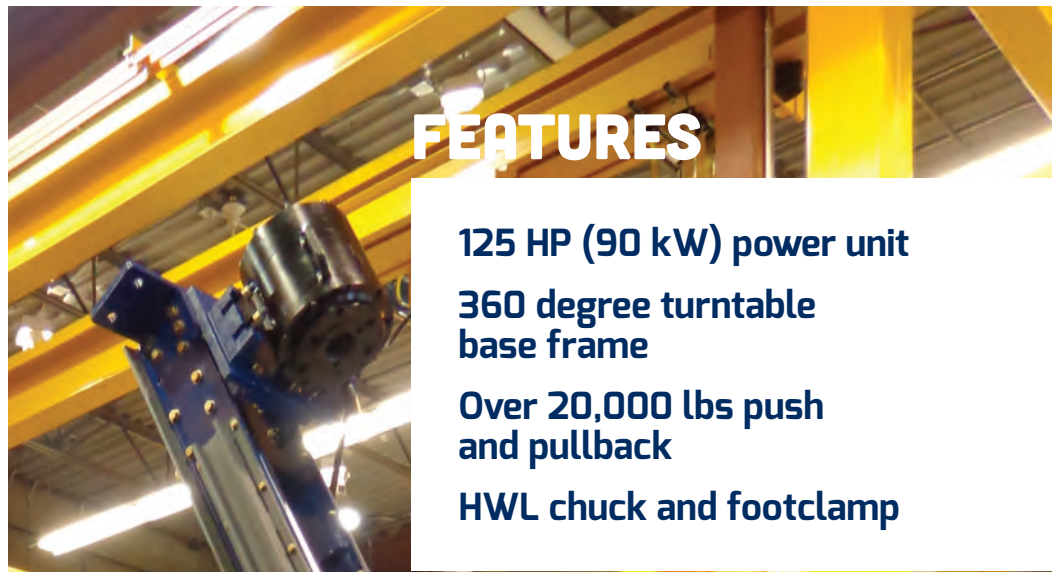




DISCOVERY – UG
Underground Diamond Core Drill

MULTI▶POWER



FEATURES

125 HP (90 kW) power unit

360 degree turntable
base frame

Over 20,000 lbs push
and pullback

HWL chuck and footclamp



Discovery – UG Underground Diamond Core Drill

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

B	3650 ft / 1112 m
N	2925 ft / 891 m
H	2000 ft / 609 m

PRIME MOVER *Alternate voltage and/or HP available upon request

Standard unit	WEG electric motor (TEFC)
Power:	125 HP @ 1780 RPM*
Voltage	230 / 460 V 60 Hz 3 Phase*

ROTATION UNIT

Standard unit	B20 drill head c/w 12HH chuck
Maximum opening:	3-1/2" (H size)
RPM:	1400 RPM
Torque:	2100 ft lbs
Chuck:	26,000 lbs capacity
Hydraulic motor:	Rexroth 160cc variable speed/torque piston motor
Gear ratios:	3.0:1 & 5.4:1
Optional unit	XP drill head w/ Christensen chuck
Maximum opening:	4-5/8" (P size)
RPM:	1400 RPM
Torque:	4560 ft lbs
Chuck:	40,000 lbs capacity
Gear ratios:	6.27:1, 3.12:1, 1.75:1, & 1:1

FOOTCLAMP

Standard unit	12HH hydraulic open/spring closed
Maximum opening:	3-1/2" (H size)
Optional unit	12HH 4-5/8" (P size)

MAST AND FEED

Feed stroke:	60"
Pullback:	20,433 lbs
Pulldown:	20,433 lbs
Drill angle:	360 degree (All positive and negative hole angles)
Mast extension:	10 ft rod pull capacity
Mast dump:	48"
Base frame:	360 degree turntable design

WATER PUMP

Standard unit	W1122B-CD (435) piston pump
Capacity:	37 GPM @ 1000 PSI

WINCH ASSEMBLY

Wireline winch	Hydraulic motor direct drive
Capacity:	3000 ft of 3/16" cable

POWER UNIT MODULE

Design:	Steel framed trailer mount
Wheels:	(2) Removable pneumatic tires
Towing:	Removable tow bar w/ leveling hand jack
Hydraulic connections:	Flush face quick couplers

HYDRAULIC SYSTEM

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

INCLUDED COMPONENTS

Mud mixer c/w whip lines
3000 ft of W/L cable
1 set of rod and casing jaws/bushings

WEIGHT 8398 LBS

OPTIONS

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



Diamond Core



Seismic



Air Rotary



**Specialty &
Multi-Purpose**

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