

# FORDIA®

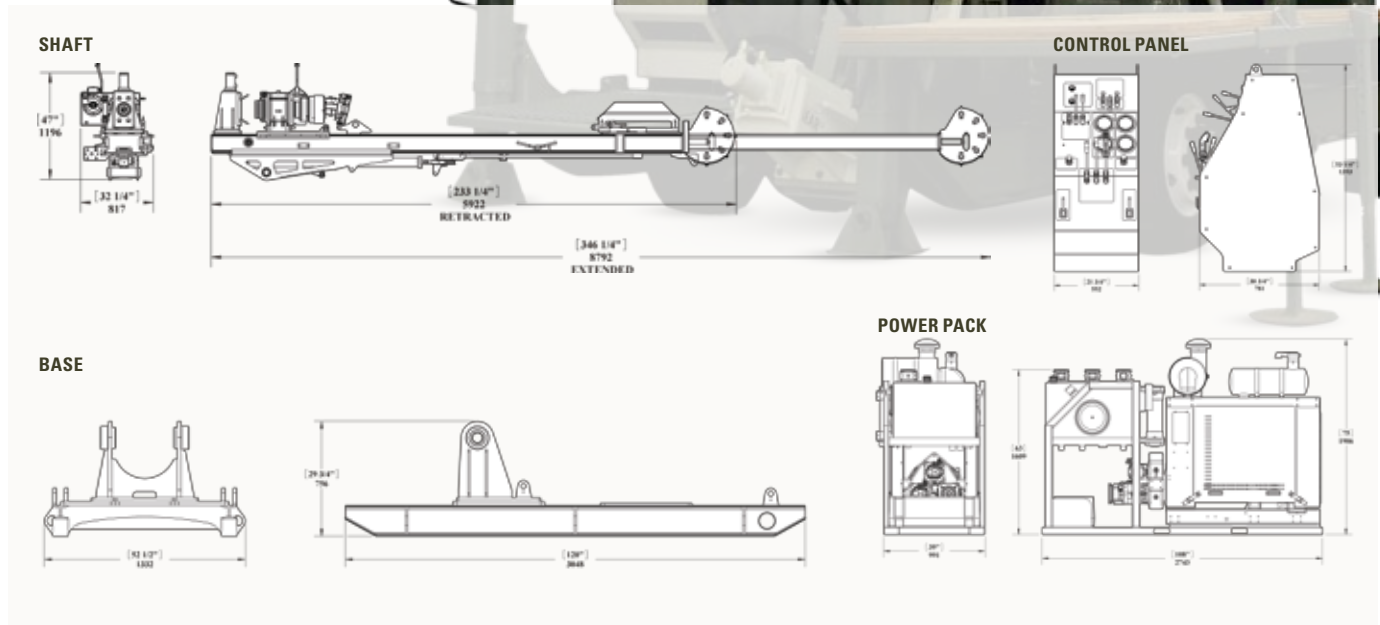
# GOLDEN BEAR

1400m N

### RANGE OF USES

- Powerful and reliable surface diamond drill rig
- Modular design for easier manipulation
- Accommodates most drill rods, including « P » sizes
- Can be upgraded for even greater depth capacity (new feed cylinder and rotary head with the same structure)

### DIMENSIONS



# GOLDEN BEAR DRILL RIG 1400 m N

The Fordia **GOLDEN BEAR** is a powerful and reliable drill rig for diamond drilling. Its modular design simplifies handling and assembly and the rig can be upgraded by changing the feed cylinder and the rotary engine, if greater depth capacity is needed. Efficient and built tough for durability, the Fordia **GOLDEN BEAR** drill rig is perfect for surface applications.

## DEPTH RATING \*

B†	1800 m	5900 ft
N†	1400 m	4600 ft
H†	900 m	2950 ft

† REFERS TO "O", "Q", "T" OR SIMILAR WIRELINE ROD SYSTEMS  
\* APPROXIMATION ONLY. MAY VARY ACCORDING TO SOIL CONDITIONS.

## POWER UNIT

Model	Cummins QSB 5.9
Horsepower	185 hp @ 2,200 rpm
Fuel tank	102 L (27 gal US)
Emergency engine shutdown	

## MAST ASSEMBLY

Rod pull length	6 m (20 ft)
Angle range	-90° to -40°
Rod pull cylinder	62.2 kN (14,000 lbf)
Length with extension	5.2 m (17 ft)

## FEED CYLINDER ASSEMBLY

Stroke	3 m (120.5 in)
Lift	171 kN (38,500 lbf)
Thrust	84 kN (18,850 lbf)
Slow feed	40.5 m/min (133 fpm)
Fast feed	149 m/min (490 fpm)

## ROTARY HEAD ASSEMBLY

Motor displacement	80 cc
Motor Type	Rexroth fixed displacement
Maximum speed	1250 rpm
Maximum torque	1880 Nm (1386 lb-ft)
Transmission	Four speed Funk

## REXROTH HYDRAULIC SYSTEM

System type	Open loop
Hydr. pump drive	Rexroth 4 pump mounting
Hydraulic reservoir	416 L (110 gal US)
Hydraulic oil cooler	Water cooling
Main Pump	1 Rexroth 130cc - 60 gpm

## WATER PUMP

Type	Elepump
Capacity	160L/min (42 gpm US)
Max. Oper. Pressure	6895 kPa (1000 psi)

## WIRELINE HOIST ASSEMBLY

Capacity	1325 m x ø6 mm (4350 ft x ø¼ in) 2500 m x ø5 mm (8000 ft x ø3/16 in)
Line speed (bare drum)	160 m/min (525 fpm)
Line speed (full drum)	488 m/min (1600 fpm)
Line pull (bare drum)	16 kN (3600 lbf)
Line pull (full drum)	5.34 kN (1200 lbf)

## HYDRAULIC CHUCK

Chuck operation	Hydraulic Opened Spring Closed
Axial thrust capacity (Std)	196 kN (44000 lbf)
Number of jaws	5
Chuck I.D. (Std)	123 mm (4.625 in)

## HYDRAULIC CLAMP ASSEMBLY

Actuation	Hydraulically Opened Hydraulically Closed
Max. Jaw Opening	127 mm (5.00") Dia. Pipe
Axial holding force	129 kN (29000 lbf)

## WEIGHT AND DIMENSIONS

**TOTAL DRILL WEIGHT: 9 300 KG - 20 500 LBS**  
(INCLUDING CONTROL AND POWER UNIT)

### MAST ASSEMBLY

Length w/extension	8.79 m	(346 in)
Length retracted	5.92 m	(233 in)
Width	0.81 m	(32 in)
Weight	2950 kg	(6500 lbs)

### POWER PACK

Length	2.74 m	(108 in)
Width	0.99 m	(39 in)
Height	1.91 m	(75 in.)
Weight	1500 kg	(3300 lbs)

### HYDRAULIC CONTROL

Length	0.76 m	(2.5 ft)
Width	0.91 m	(3 ft)
Height	1.25 m	(49 in)
Weight with hoses	363 kg	(800 lbs)

