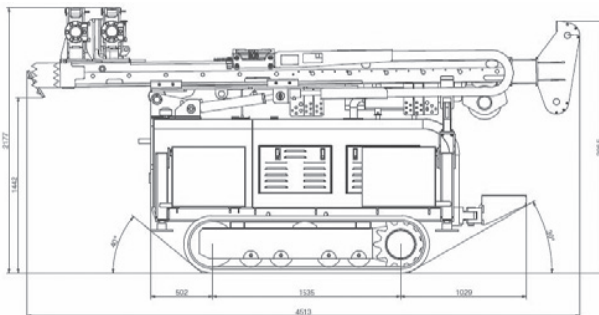


FORDIA®

OPTIMA

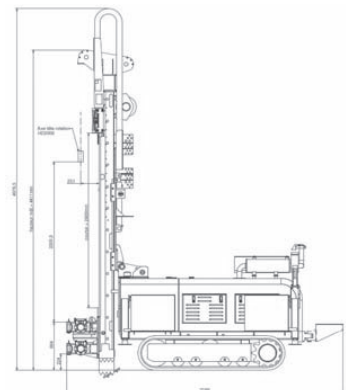


- Versatile and powerful geotechnical drilling rig suitable for many drilling techniques
- Steel skid mounted on radio remote controlled track
- Equipped with all necessary emergency stops and safeties to protect operators
- CE Certified



Dimensions on displacement position

Length: 4,513 mm (14.80 ft)
Width: 1,600 mm (5.25 ft)
Height: 2,177 mm (7.14 ft)



Dimensions on working position

Length: 3,769 mm (12.36 ft)
Width: 1,600 mm (5.25 ft)
Height: 4,978 mm (16.33 ft)

The versatile and powerful **OPTIMA** drilling rig is designed for geotechnical investigation and environmental and water well drilling.

Powered with a 80 HP turbo-diesel engine, the OPTIMA offers you a wide range of accessories allowing you to use all possible drilling techniques including, down-the-hole rotary percussive hammer drilling, coring, injection drilling, auger drilling and more.

The rotation/percussion head is equipped with two hydraulic motors and a hydraulic hammer providing a wide range of torques and rotation speeds.

Male and female double threading positioned under the injection

swivel allows you to easily change drilling techniques without wasting time.

Fordia's OPTIMA offers many accessories and options such as: triplex type injection pump, single or double rod holder, handling winch or wire lines, extended mast and mast foot extraction jack, hydraulic top hammer, hydraulic rotary head and track with adjustable width.

This product is CE certified and equipped with all necessary emergency stops and safeties to protect operators.

WEIGHT

	METRIC	IMPERIAL
TOTAL (DEPENDING ON OPTIONS)	4,000 to 4,800 kg	8,818 to 10,582 lb

CHASSIS

DESCRIPTION
Mechanically welded steel skid
4 hydraulic stabilization jacks

MAST

	DESCRIPTION
STROKE	2,200 mm
FEED	Jack and chains
PULL-BACK CAPACITY	3,800 kg (8,377 lb)
PUSH-DOWN THRUST	2,500 kg (5,511 lb)
MAST HYDRAULIC TRANSLATION	500 mm
ROD CLAMP	Single or double - 320 mm

ROTATION HEAD

	DESCRIPTION
ROTATION HEAD	V10 - 4 speed
MAX. TORQUE	413 to 803 daNm
MAX. SPEED	337 to 663 rpm
PERCUSSION FORCE	220 joules/blow
PERCUSSION FREQUENCY	1 200 bpm
INJECTION SWIVEL	Air/water
THREADS	Male 2"3/8 IF and Female R38

TRACK

	DESCRIPTION
TRACK	Remote radio controlled - Fixed width
WIDTH	1,600 mm

POWER PACK

	DESCRIPTION
DEUTZ TURBO-DIESEL ENGINE	80 HP
FUEL TANK	50 L
OIL TANK	130 L
PUMP	Variable displacement pump for rotation
DISTRIBUTORS	Danfoss PVG 32

OPTIONS

	DESCRIPTION
MAST	Useful stroke 3,300 mm
WINCH	Manipulation and/or WL
ROTATION HEAD	Hydraulic sliding
PUMP	Triplex water injection pump 140 L/min
EXTRACTION JACK	Mast foot extraction jack 7,000 kg
TRACK	Adjustable width
OTHER	Top hammer rotary percussion

