



GEOTECHNICAL RIG

EXPLO 350



Portable drilling rig EXPLO 350

The **EXPLO 350** is a dismantable and portable drilling rig, dedicated to shallow geotechnical and environmental investigation. It can use various drilling techniques, rotary drilling, coring, augers or percussion with down-the-hole or top-hole hammer. It is equipped with a diesel 36 HP engine.

The EXPLO 350 rig is made of 7 separate and dismantable parts, which can be handled separately. Their aluminum skids make them easy to transport on any site, even with very difficult access. Only 10 minutes is necessary to remount it on site. Its total weight is 930 kg.

The control panel is mounted on a separate tripod skid, connected to the drilling unit by flexible hose, equipped with fast connectors.

The rig can be used on its skid as shown, or mounted by the customer on a trailer or a 4WD carrier. Due to its light weight it can also be carried by helicopter easily.

With its simple, efficient and robust design, the EXPLO 350 is adapted to the most demanding conditions and requires only very little maintenance. It is equipped with a performance cooling system, suitable for hot climates.

Dismantable and portable parts

The different portable elements are :

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| • The main skid | 130 kg |
| • The engine | 259 kg |
| • The rotation head | 60 kg |
| • The mast | 177 kg |
| • The hydraulic unit | 117 kg |
| • The separate control unit, mounted on a tripod | 45 kg |
| • The upper mast with the winch | 62 kg |
| • Hoses, bars and battery | 76 kg |



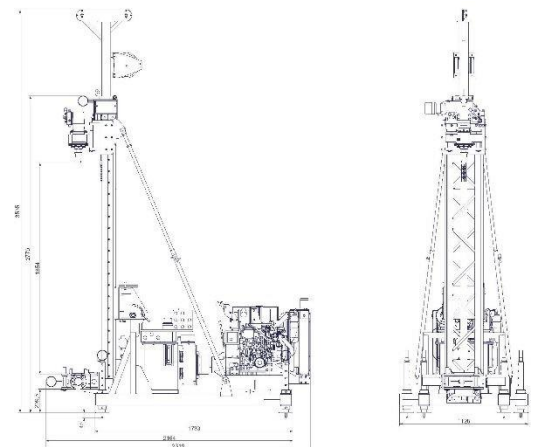


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Technical Specifications:

Chassis	Aluminum skid, with carrying handles and 4 stabilisation feet Guiding slide for easy mounting of the engine and the hydraulic tank
Engine	Diesel engine Yanmar 36 hp 12V battery with electric starter Emergency stop and manual starter Connection to the hydraulic pump by capstan
Hydraulic unit	Aluminum skid, 30 litre capacity Level indicator and temperature gauge Integrated cooler Triple body hydraulic pump
Rotation head	Steel structure, with safety hook for injection hose, and carrying handle Pinion transmission Injection swivel Eurodrill head with 2 Danfoss hydraulic motors Max. torque: 100 daNm (mkg) Rotation: 175 and 350 rpm
Mast	Aluminum structure, with carrying handle Rotation head translation with hydraulic motor and chain Dismountable stainless steel guiding slides Stroke: 1850 mm – Pull-up capacity: 1000 kg
Control Panel	Hydraulic distributors for translation and rotation Adjustment of push-down thrust on bit
Options	Electric engine SPT capstan Wireline winch Portable injection pump with thermal engine Top hydraulic hammer Safety cage complying to CE regulations Safety plates



Dimensions in working position

(L x W x H) = 2319 x 1128 x 3535 mm

Total weight :

930 kg