

Self-propelled drilling assembly CME 55 (USA), mounted on Renault XXX basis

General use:

- Helical and combined drilling;
- Sampling specimens from undisturbed structure from depth up to 30 m;
- Mounting of stress-strain sensors and piezometers on the fixed depth for measuring pore pressure;
- Screwing of anchor-piles in site tests.

Dimensions of drill platform:

- Min length 8.5 m;
- Width 2.4 m;
- Height 2.8 m.

Parts of drilling platform:

- Diesel engine at least 140PH or 100kW;
- Hydro pump complete with duplex cylinders and hydro hoist;
- Operating system for erecting drilling platform and for controlling drilling action;
- Reduction gearbox;
- Boring tower with hydraulic cylinders and hydraulic supports;
- Rope hoist for extracting helical auger, capacity 50kN, steel rope diameter 14mm, length 30m;
- Quick release sleeve for reduction gearbox;
- Water pumping system for rotary core drilling, 3-speed transmission is included; capacity 84gpm/225psi, water tank volume 1m³;
- Anchoring system;
- Tool box with shelves.

Drilling platform technical parameters:

- Drill torque 13 kNm;
- Rotational Speed at maximum: 970 rpm;
- Pressure capacity min 125kN;
- Extraction capacity min 100kN.

Boring tower:

- Height (working position) approx. 8 ÷ 8.5 m;
- Raising and lowering of tower by hydraulic system;
- On the upper part of tower as sheave for cable is fitted;
- On the lower part of tower 2 hydraulic supports;
- Drillers step, folding under deck storage.

Increased ground clearance truck with a control cab. Tech. specification:

- Type of drive system- 4x4, wheelbase 4,295mm.;
- Front axial load 8000kg.;
- Rear axial load 11500kg with differential interlock in rear axle;
- Diesel engine EURO 5 capacity 380HP;
- Front axle with roper hoist capacity not less than 2.5 kN
- Diameter of rope 15 mm.;

Augers:

- Hollow helical auger, total length 30 m., diameter 220 mm.;
- Helical standard 5.5 inches auger total length 30 m.;

- Tips of 6 inches for helical auger, 10 pcs.;
- Sample tub 3 units, diameter 100 mm.;
- Extensions rods for sample tub, total length 30m.;
- Rotary augers kit, diameter 110 mm, total length 30m.;
- Rotary auger head (tip) 110 mm. 10pcs.