

The C6 XP drill rig represents the latest innovation in the field of drilling.

Compact, strong and versatile, the C6 XP is capable to work on all fronts: anchoring, micro-poles, jet grouting: this machine really doesn't have any limits. It is further fitted with a full load sensing hydraulic system.

The operator can choose the radio-control or the more traditional hydraulic panel. In both cases, there's an on-board display control console.

Drill rig highlights

- Lightweight full capability rig with the option of being lifted into hard to reach drill locations
- Controlled by plc
- Full load sensing hydraulic circuit, reduced fuel consumption
- FRONT WALL kinematics
- Soundproofed canopy for reduced noise emissions
- Control panel with 7" display
- Optional extensions for jet-grouting 18 m depth

FRONT WALL is a new joints system, which allows the machine to operate within the most demanding conditions. Thanks to this new joint system the C6 XP is a fast and rapid machine to operate, easy to use. Total flexibility is the key word. The new joints system of the C6 XP allows reaching the most extreme spots.

The mast can be placed at +/- 35° to the horizontal and +/- 95 to the vertical axel of the machine which permit working in extremely narrow spaces, up to a maximum of 15° of negative angle.

Last but not the least, there's the possibility to reach drainhole drilling position, with negative angle up to +4° to the horizontal. (refer to the various mast movement diagrams on the last page)



Safety Features

- The drill rig is fitted out with a carousel i.e. a rod loader with 6 drill rods. This makes manual handling obsolete and increases the safety of all involved working with and around the drill rig
- It has both options to be operated with the traditional hydraulics or with a radio controlled remote control. It does give the possibility to keep a safe distance while conducting drilling, and rod change.
- The multiple emergency stops located on the machine can be activated by both the operator or other personnel as required
- There is an acoustic and visual (revolving beacon) alarm while conducting any moving and positioning of the drill rig
- All hydraulic jacks have 1-way valves to isolate them and keep them in position in case of a hose leakage i.e. prevent uncontrolled movement.





Field of use:

It is a multipurpose drill rig with high accuracy capabilities without compromising on production. It can be engaged/deployed for the following type of works:

Special works:

- Micropiles
- Anchoring
- Soil Nailing
- Jet grouting
- Drains

Drilling:

- Dry drilling
- Surveys
- Hydrogeological research
- Water wells

Together with the drill rig the following equipment can be used:

- Down-the-hole simple and odex type hammers
- Triple cones
- Single and double core samplers
- Screw augers

TECHNICAL DATA

UNDERCARRIAGE	
Overall width of undercarriage	2250 mm
Track shoes width	400 mm
Overall track length	2990 mm
Travel speed	0 ÷ 2,2 km/h
Max. gradeability	20°
Ground pressure	71 kPa
ENGINE	
Model	TCD 2012 L04 2V (EPA/COM III)
Rated power at 2300 rpm	95 kW
Fuel tank capacity	210 l
Hydraulic oil tank capacity	400 l
MAST	
Mast length	6000 mm
Stroke of rotary head	4000 mm
Extraction force	85 kN
Crowd force	85 kN
ROTARY HEAD	
Max. torque	15200 Nm
Max. speed	52 ÷ 400 rpm
DIMENSIONS AND WEIGHT	
Length	7200 mm

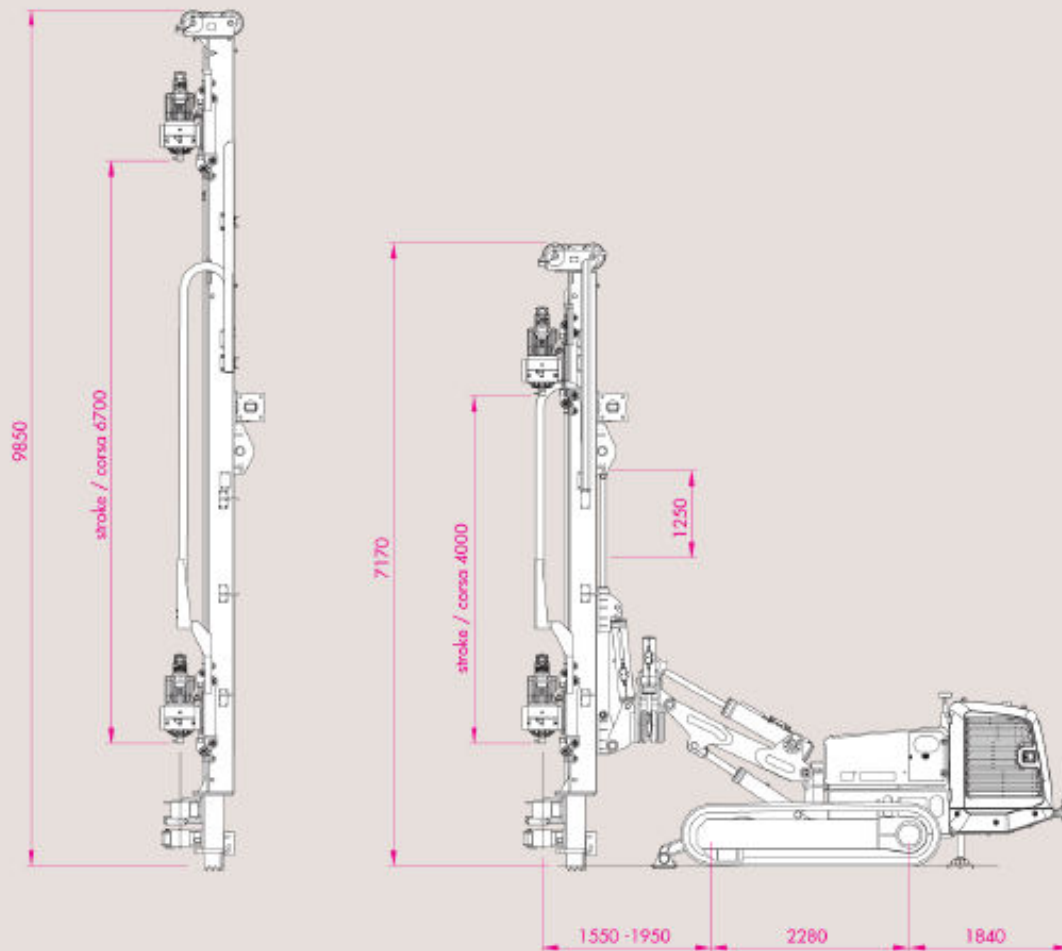
CASSAGRANDE C6 XP DRILL RIG
PLANT DATA SHEET



Width	2250 mm
Height	2800 mm
Weight of rig*	~ 13 - 14 T

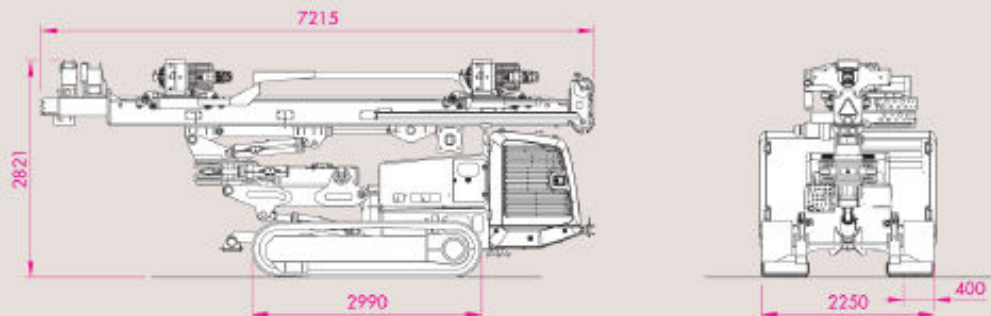
DIMENSIONS

DIMENSIONI



TRANSPORT DIMENSIONS

DIMENSIONI DI TRASPORTO



MAST MOVEMENTS

MOVIMENTAZIONI MAST

