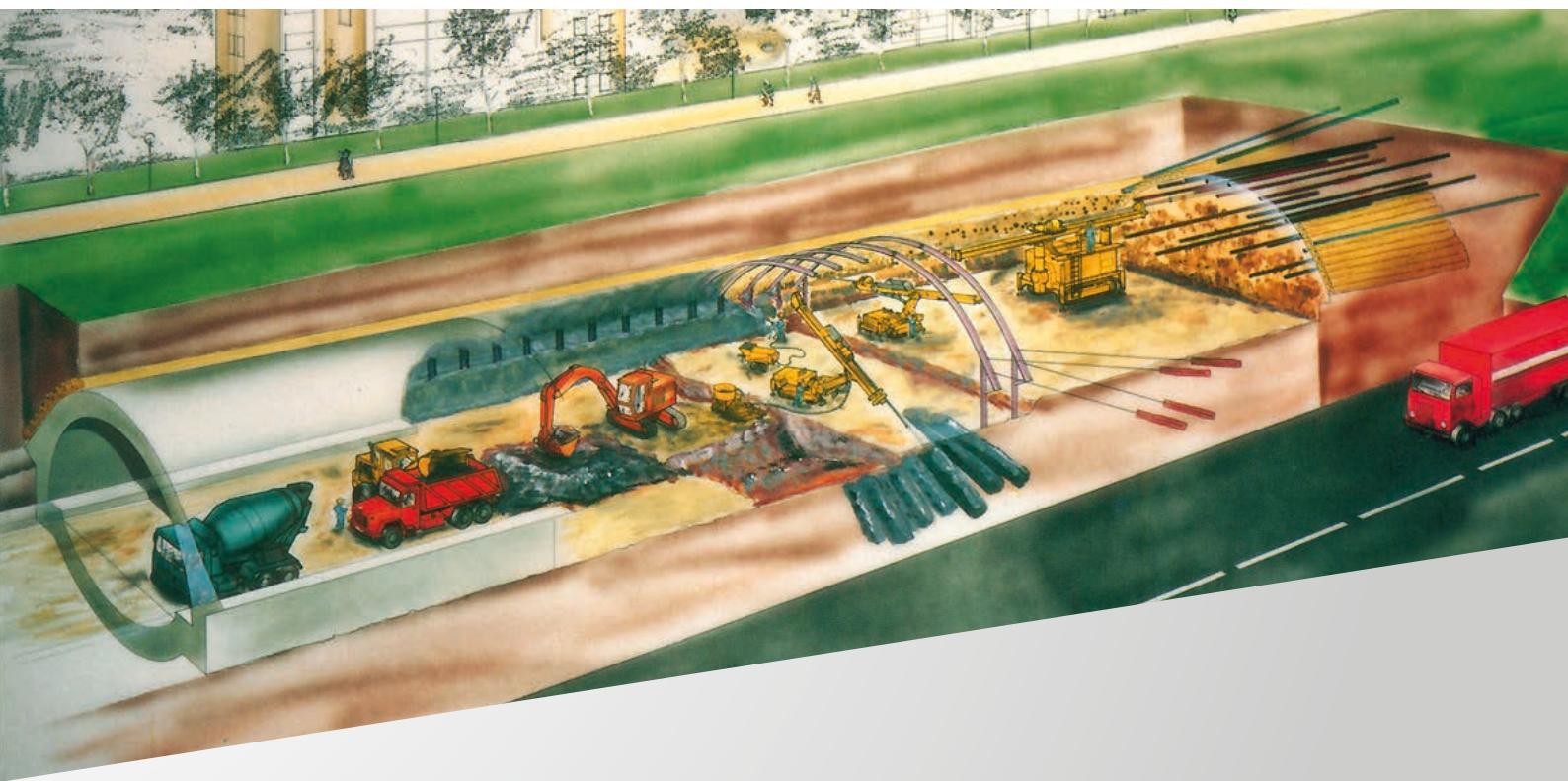


TUNNELLING EQUIPMENT





Casagrande's new range of tunnelling equipment is designed and built using the latest state-of-the-art techniques. A range of machines engineered to satisfy the needs of the most demanding contractor with emphasis on performance, reliability and economy.

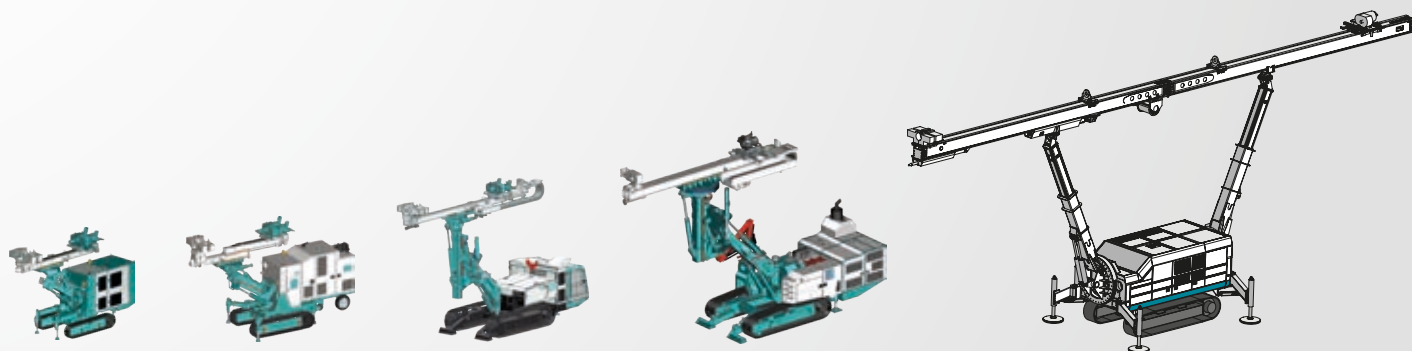
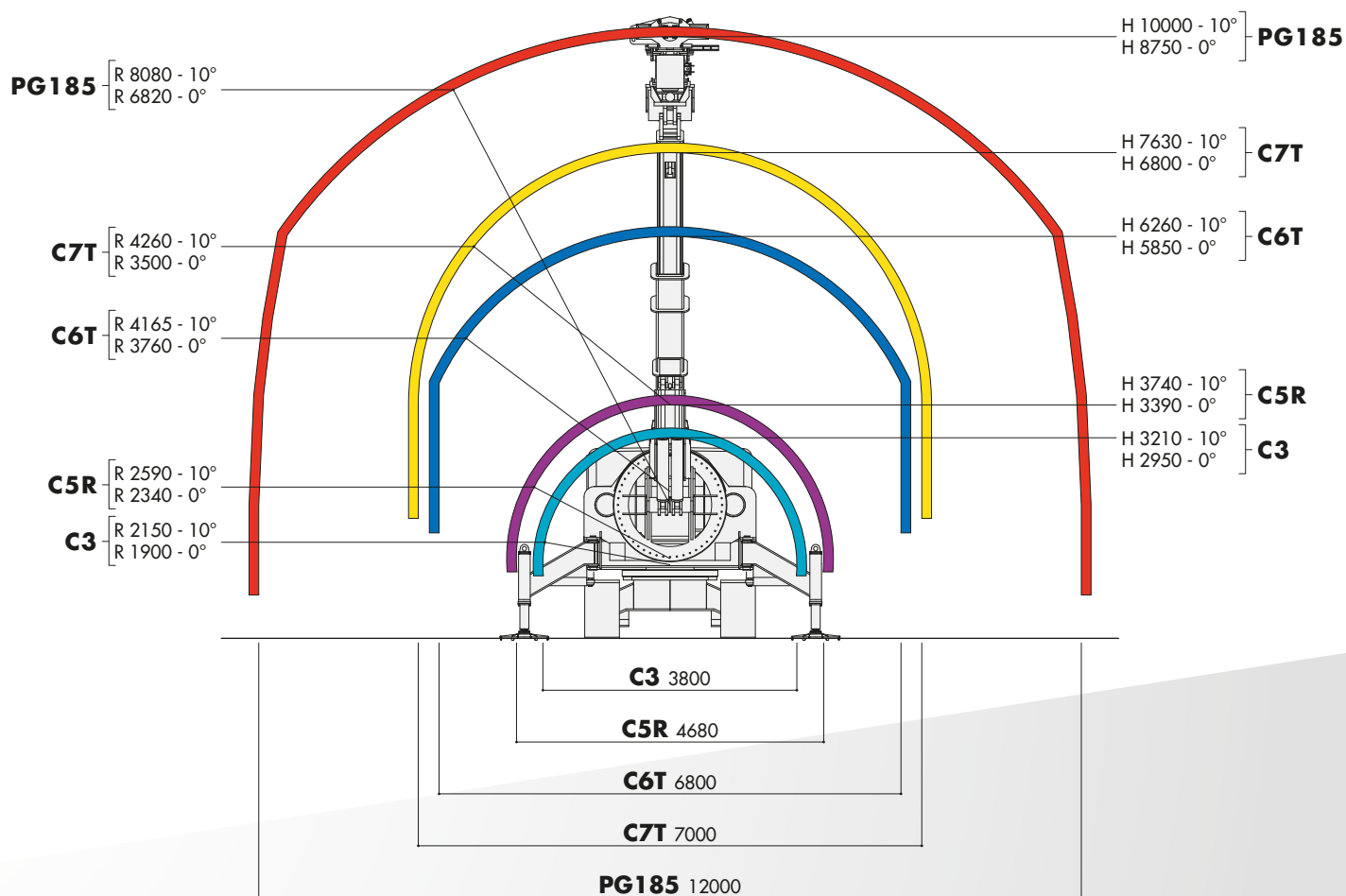
La nuova gamma di perforatrici per galleria Casagrande è studiata e realizzata secondo le più moderne tecniche della progettazione meccanica. Racchiude una gamma completa di macchine mirate a soddisfare le esigenze delle imprese che operano nel campo della geotecnica.



The equipment are used to construct an arch around the tunnel's periphery ahead of the face. The arch provides support in weak soil so that excavation may be carried out safely without the use of expensive temporary support systems, it also ensures that deformations are kept within acceptable limits.

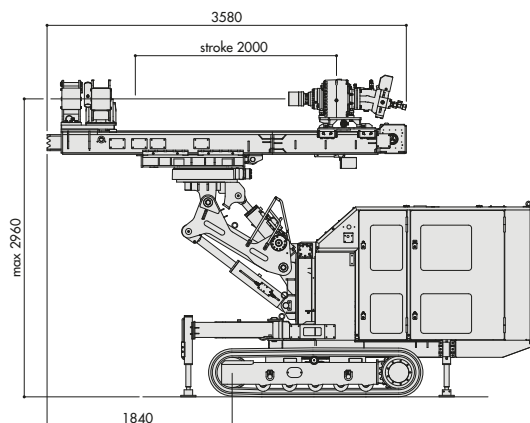
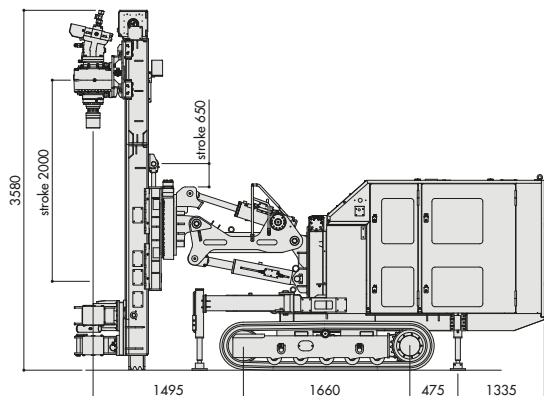
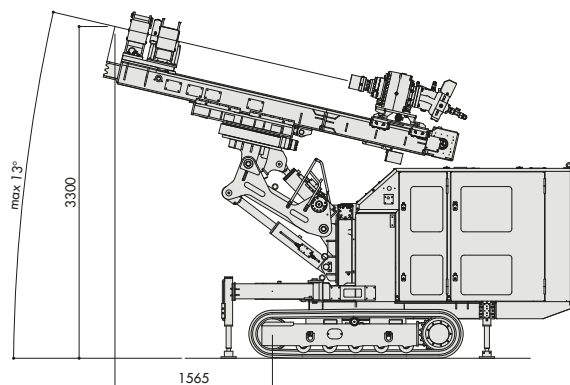
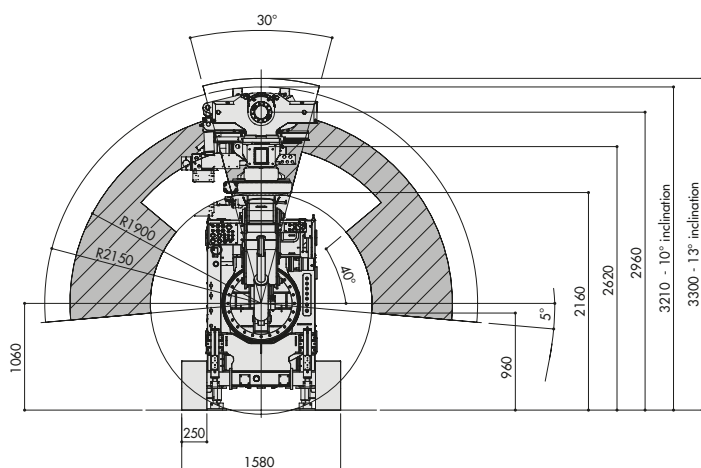
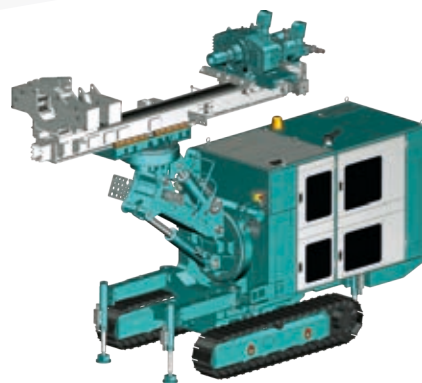
Le macchine vengono usate per il trattamento e consolidamento del fronte della galleria per consentire di scavare con sicurezza nei terreni deboli senza dover ricorrere all'uso di ulteriori sistemi per il supporto temporaneo e per ridurre le deformazioni entro limiti accettabili.

TUNNELLING EQUIPMENT ATTREZZATURE PER TUNNEL



TECHNICAL DATA		C3 XP-2	C5R XP-2	C6T XP-2	C7T XP-2	PG185
Height center of ring gears	mm	1060	1135	530 ÷ 2090	520 ÷ 3300	1920
Radius of horizontal drilling	mm	1100 ÷ 1900	1350 ÷ 2340	2810 ÷ 3760	2700 ÷ 3500	2600 ÷ 6820
Stroke single rotary head	mm	2000	2150	4000	7300	18000
Weight	kg	~ 6500	~ 10000	~ 17000	~ 24000	~ 45000

C3 XP-2 HYDRAULIC CRAWLER DRILL



TECHNICAL DATA

C3 XP-2

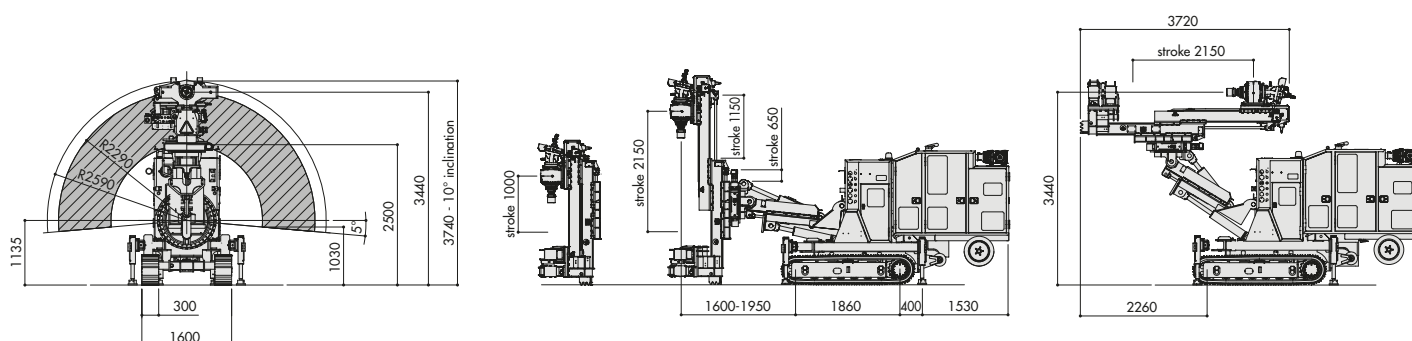
Engine power	100 kW @ 2200 rpm
Option - Dual power	Available
Mast - Stroke single rotary head	2 m
Mast - Extraction / Crowd force	50 kN
Weight	~ 6500 kg



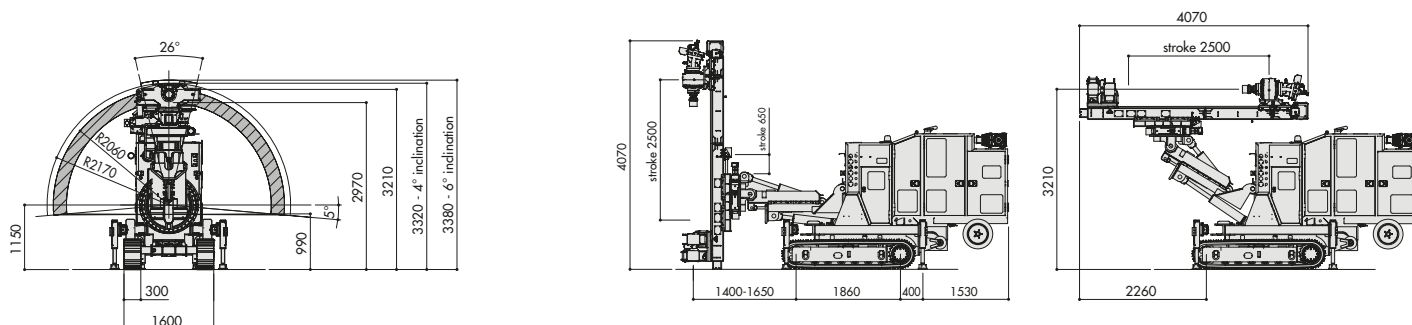
C5R^{XP-2} HYDRAULIC CRAWLER DRILL



TELESCOPIC MAST



OPTION - SINGLE SECTION MAST



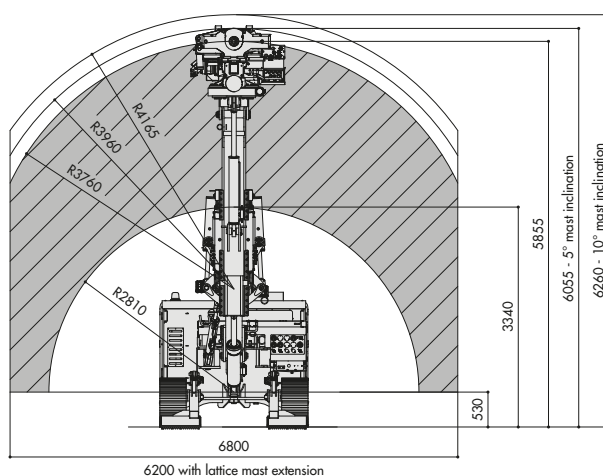
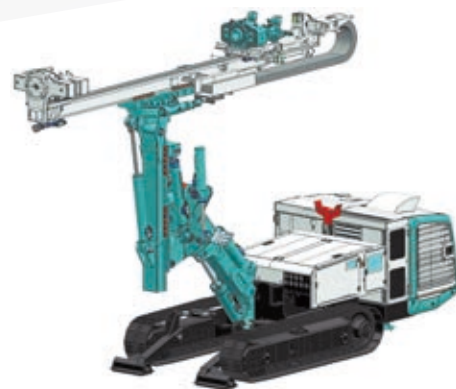
TECHNICAL DATA

C5R XP-2

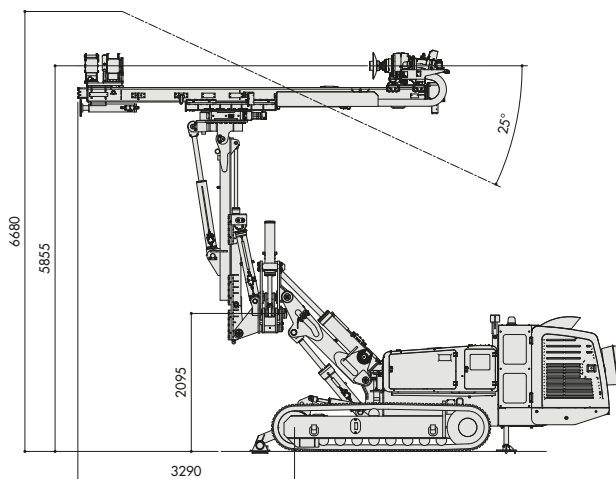
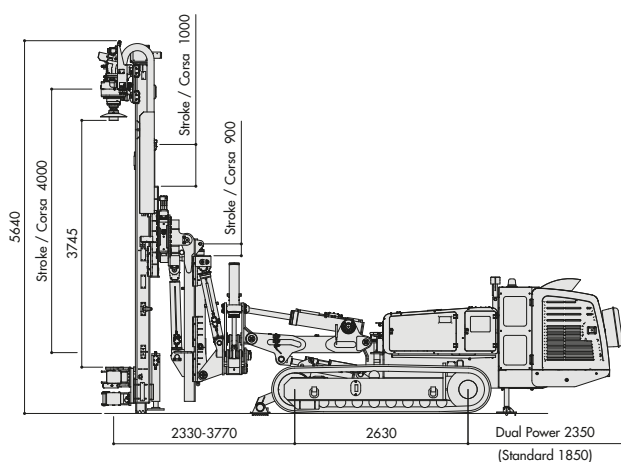
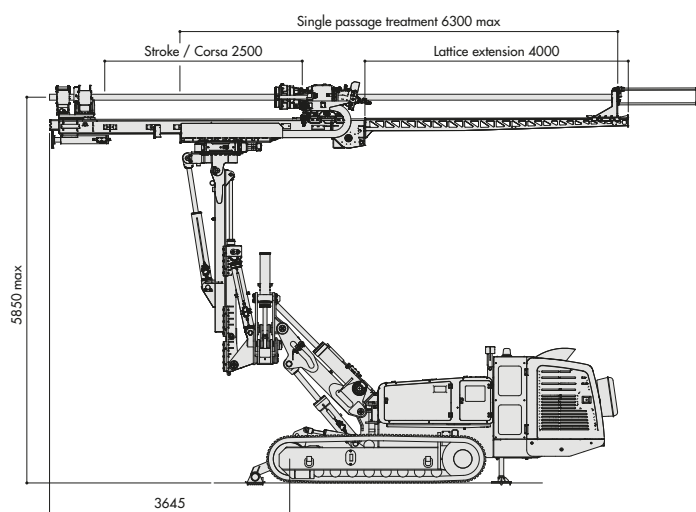
Engine power	111 kW @ 2200 rpm
Option - Electric motor	75 kW
Mast - Stroke single rotary head - Telescopic mast	2,15 m
Mast - Stroke single rotary head - Single section mast	2,5 m
Mast - Extraction / Crowd force	50 kN
Weight	~ 10000 kg



C6T XP-2 HYDRAULIC CRAWLER DRILL



6200 with lattice mast extension



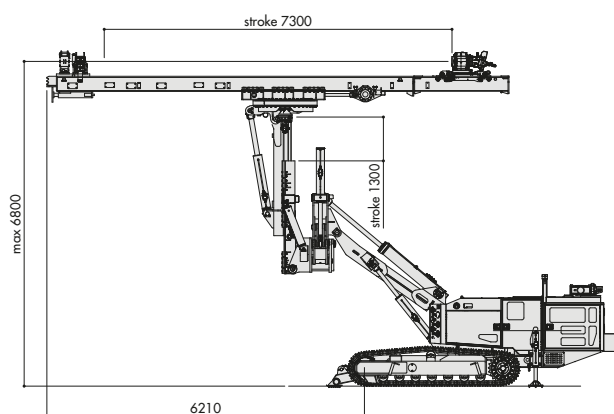
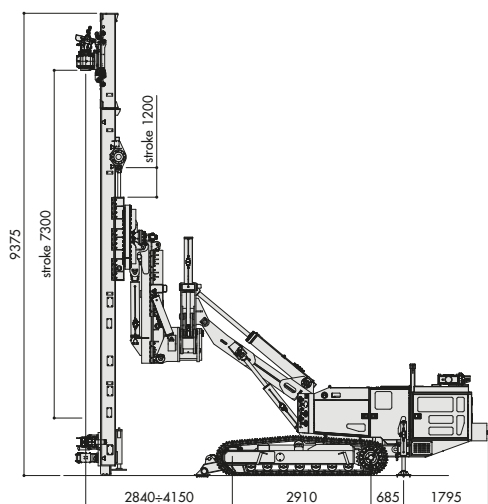
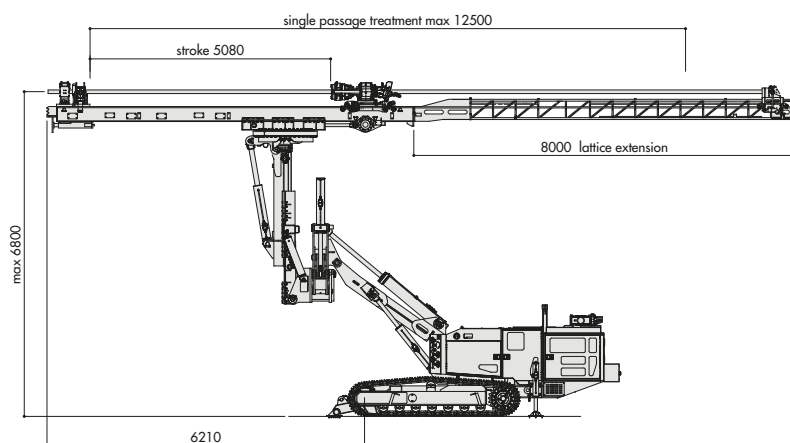
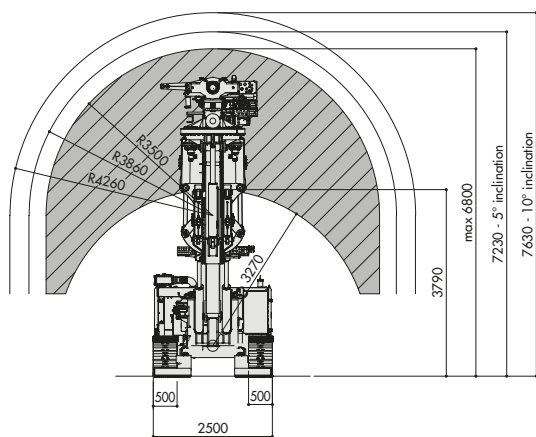
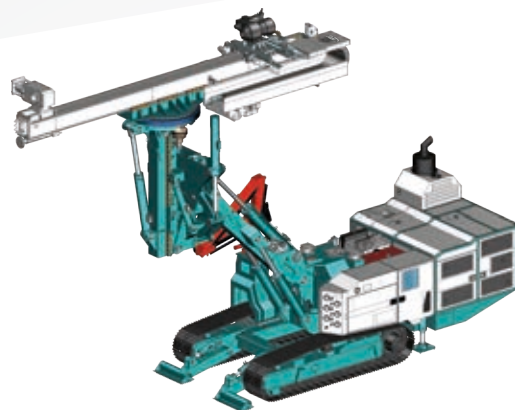
TECHNICAL DATA

C6T XP-2

Engine power	142 kW @ 2200 rpm
Option - Dual power	Available
Mast - Stroke single rotary head	4 m
Mast - Extraction / Crowd force	50 kN
Additional lattice mast extension	4 m
Weight	~ 17000 kg



C7T ^{XP-2} HYDRAULIC CRAWLER DRILL



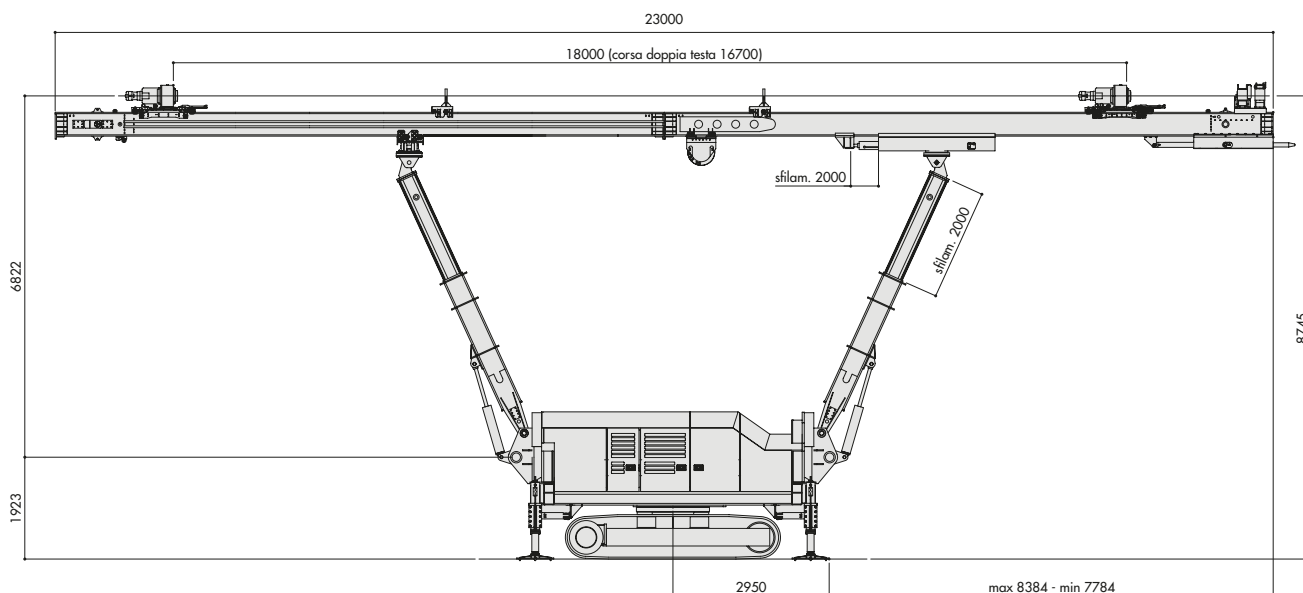
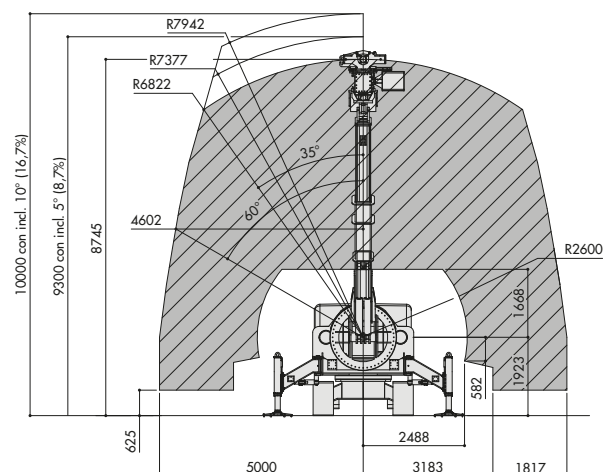
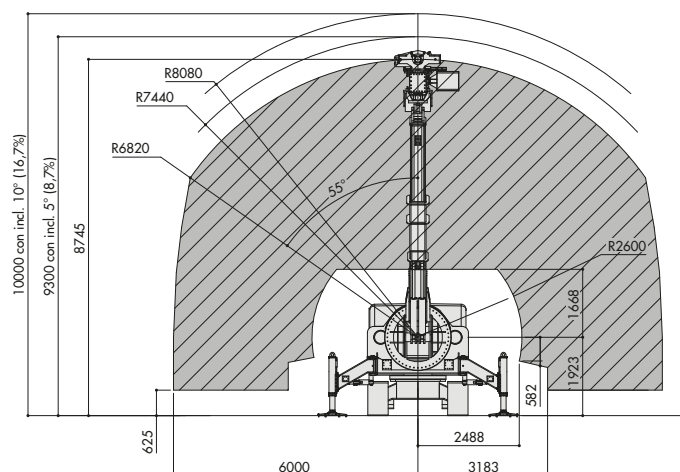
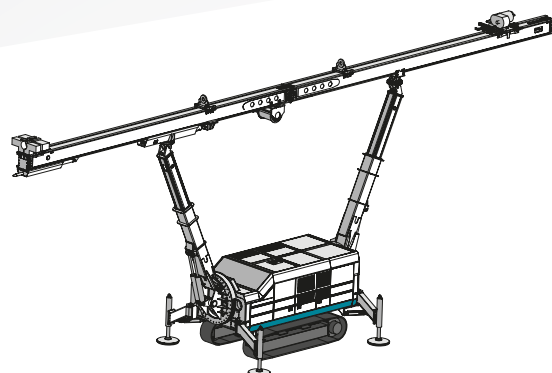
TECHNICAL DATA

C7T XP-2

Engine power	201 kW @ 2200 rpm
Option - Dual power	Available
Mast - Stroke single rotary head	7,3 m
Mast - Extraction / Crowd force	87 kN
Additional lattice mast extension	8 m
Weight	~ 24000 kg



PG185 HYDRAULIC CRAWLER DRILL



TECHNICAL DATA

PG185

Engine power	186 kW @ 2200 rpm
Option - Dual power	Available
Mast - Stroke single rotary head	18 m
Mast - Extraction / Crowd force	90 kN
Additional lattice mast extension up to	8 m
Weight	~ 45000 kg









CASAGRANDE S.P.A.

Via A. Malignani, 1
33074 Fontanafredda - Pordenone (Italy)

Tel. +39 0434 9941
Fax +39 0434 997009



info@casagrandegroup.com
www.casagrandegroup.com