



casagrande

casagrande

B 125

HYDRAULIC PILING RIG

XP

ATTREZZATURA IDRAULICA PER PALI



TECHNICAL SPECIFICATIONS

DATI TECNICI

B125
HYDRAULIC PILING RIG

XP

PILING		PALI	
Max depth		Profondità max	50 m
Max diameter with casing - Crowd ram		Diametro max con tubo - Martinetto pull-down	1500 mm
Max diameter with casing oscillator		Diametro max con morsa giracolonna	1000 mm
C.F.A. CONTINUOUS FLIGHT AUGER		ELICA CONTINUA C.F.A.	
Max depth		Profondità max	23 m
Max diameter		Diametro max	800 mm
SOIL MIXING		SOIL MIXING	
Max depth		Profondità max	21 m
Max diameter		Diametro max	1000 mm
DIAPHRAGM WALL		DIAFRAMMI	
Max depth		Profondità max	30 m
Max length of trench		Lunghezza max scavo	2500 mm
Max width of trench		Larghezza max scavo	800 mm
UNDERCARRIAGE		CARATTERISTICHE CARRO	
Width with retracted/extended tracks		Larghezza con cingoli chiusi/ aperti	2500/3700 mm
Tracks length		Lunghezza cingoli	4510 mm
Shoes width		Larghezza pattini	600 mm
ENGINE		MOTORE	CUMMINS QSB 6.7 Aftercooler
Engine conforms to Exhaust Emission Standard		Motore conforme agli standard di emissione	EU Stage IIIA/IV - US EPA TIER III/IVf
Power at 2200 rpm		Potenza a 2200 giri	164/168 kW
Hydraulic power		Potenza idraulica	140 kW
MAIN WINCH		ARGANO PRINCIPALE	
Nominal line pull on 1 st layer		Tiro nominale 1° strato	160 kN
Max line speed		Velocità max fune	72 m/min
AUXILIARY WINCH		ARGANO AUSILIARIO	
Nominal line pull on 1 st layer		Tiro nominale 1° strato	70 kN
Max line speed		Velocità max fune	63 m/min
MAIN WINCH FOR KRC USE		ARGANO PRINCIPALE USO KRC	
Nominal line pull on 1 st layer		Tiro nominale 1° strato	135 kN
Max line speed		Velocità max fune	93 m/min
ROTARY HEAD		TESTA ROTARY	H12 SX * H12
Max torque		Coppia max	112 kNm 125 kNm
Max drilling speed		Velocità max lavoro	70 rpm 33 rpm
Discharge speed		Velocità di scarico	— 120 rpm
CROWD RAM		MARTINETTO PULL-DOWN	
Max line pull		Tiro max	190 kN
Max crowd		Spinta max	130 kN
Stroke		Corsa	3800 mm
MAST INCLINATION		INCLINAZIONE MAST	
Forward Backward Lateral		Avanti Indietro Laterale	3° 15° ±3°
WEIGHT		PESO	
Weight in working condition		Attrezzatura in condizioni di lavoro	~ 41 t

* For Soil Mixing application / Per impiego Soil Mixing

ALLESTIMENTO PALI - PDC

Three side-view technical drawings of the CR 1600 crane are shown, illustrating the dimensions A, P, E, E1, and R3750. The drawings are oriented vertically, with the crane's boom extending upwards. The dimensions are indicated by magenta lines and labels:

- A**: The height from the top of the boom to the top of the counterweight.
- P**: The height from the top of the counterweight to the top of the boom.
- E**: The height from the top of the counterweight to the top of the boom.
- E1**: The height from the top of the counterweight to the top of the boom.
- R3750**: The radius of the boom's arc.

TRANSPORT DIMENSIONS

4

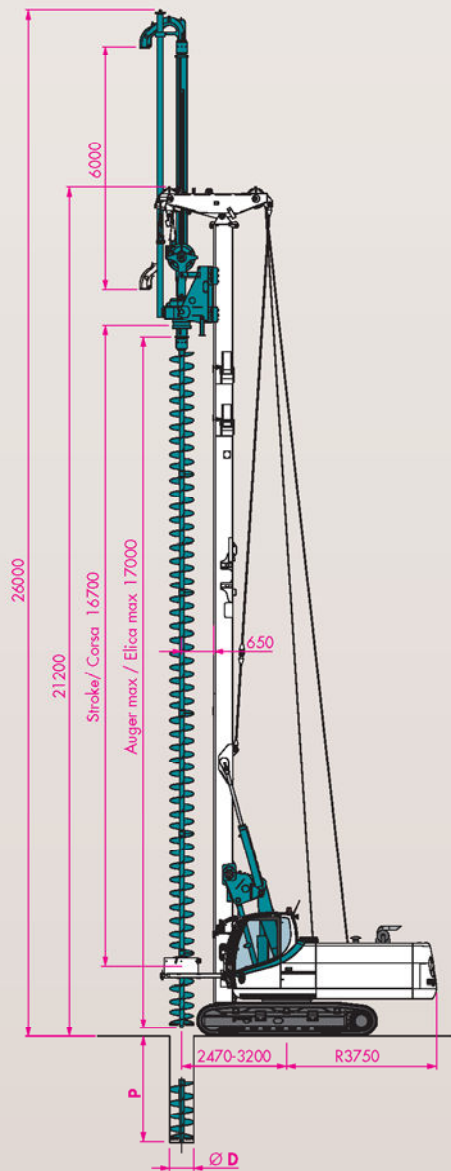
C.F.A. ARRANGEMENT

ALLESTIMENTO C.F.A.

B 125

HYDRAULIC PILING RIG

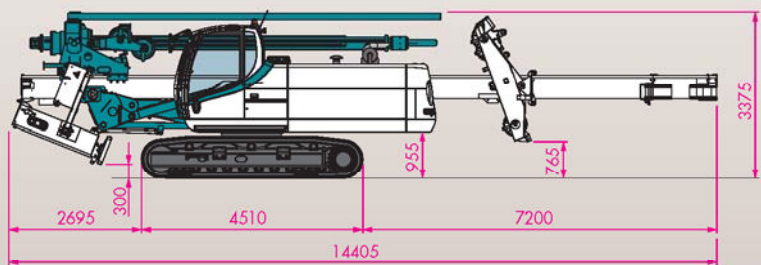
XP



DRILLING DEPTH	PROFONDITÀ DI SCAVO			CFA
Max Diameter	Diametro max	Ø	D	800
Max depth with rotating auger cleaner	Profondità max con pulisci elica rotante	m	P	21,6
Max depth with star auger cleaner	Profondità max con pulisci elica stellare	m	P	22,7
Extraction force	Forza di estrazione	kN		450
Extraction / crowd force	Forza di estrazione / spinta	kN		—

TRANSPORT DIMENSIONS

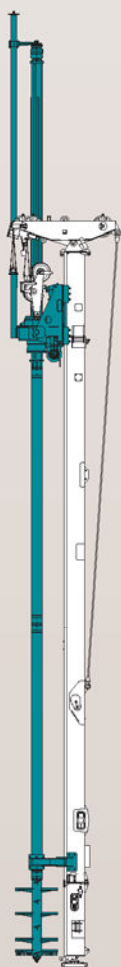
DIMENSIONI DI TRASPORTO



WEIGHT • PESO

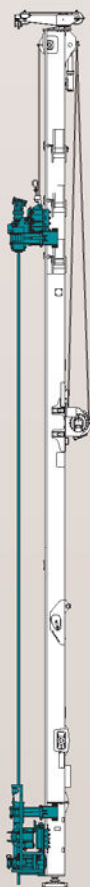
~ 38 t





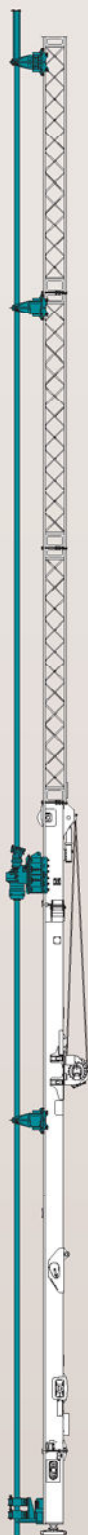
SOIL MIXING

Depth 21 m
Ø 1000 mm



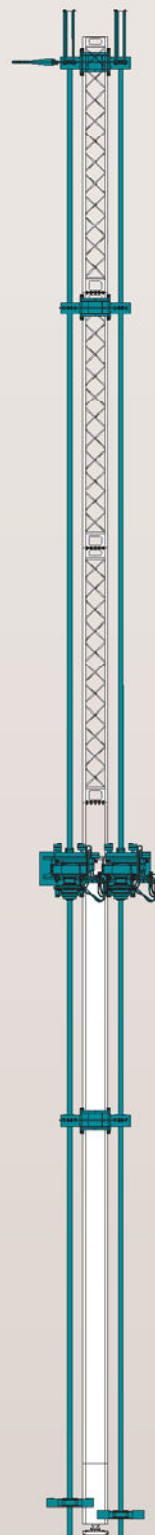
MICROPILING

Stroke 16 m
Ø 90 ÷ 406 mm



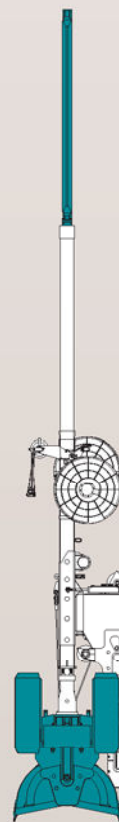
JET GROUTING

Depth 68 m
with rod loader
Ø 90 ÷ 406 mm



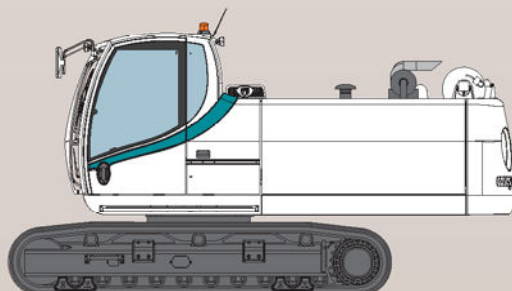
BI-JET GROUTING

Depth 32 m
Ø 40 ÷ 254 mm



KRC DIAPHRAGM WALL

Depth 30 m
Trench 800 x 2500 mm



CASAGRANDE HYDRAULIC PILING RIGS RANGE



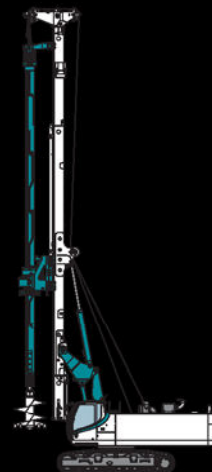
B125XP



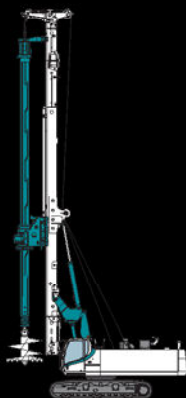
B175XP



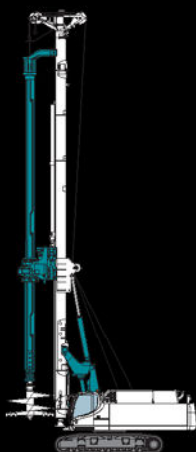
B200XP



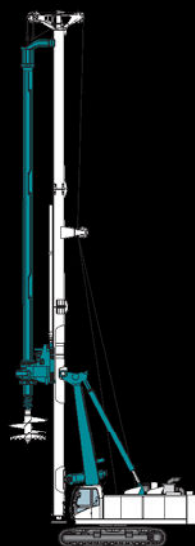
B250XP



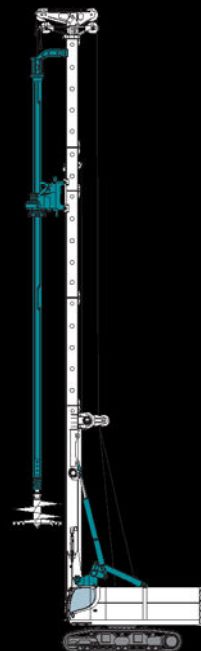
B300XP



B360XP



C850



B450XP

All data contained in this brochure are indicative and does not take power losses into account. All data can be changed without notice.
Tutti i dati riportati su questo catalogo sono indicativi e non considerano perdite di carico. Tali dati possono variare senza preavviso.



casagrande

CASAGRANDE S.P.A.

Via A. Malignani, 1 • IT 33074 Fontanafredda • Pordenone • Italy
Tel. (+39) 0434 9941 • Fax (+39) 0434 997009
www.casagrandegroup.com • Info@casagrandegroup.com

