



**casagrande**

**B360<sup>XP</sup>**

**HYDRAULIC PILING RIG**

ATTREZZATURA IDRAULICA PER PALI







# TECHNICAL SPECIFICATIONS

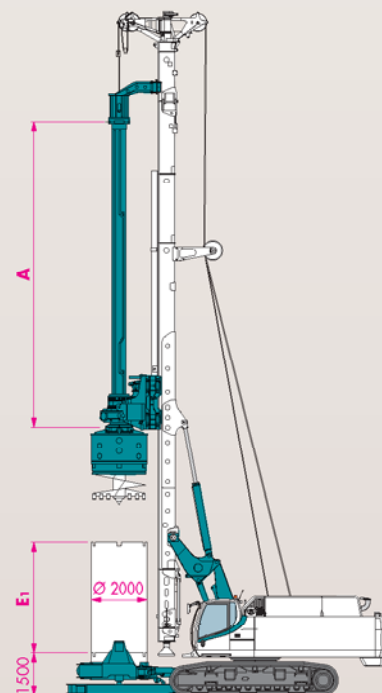
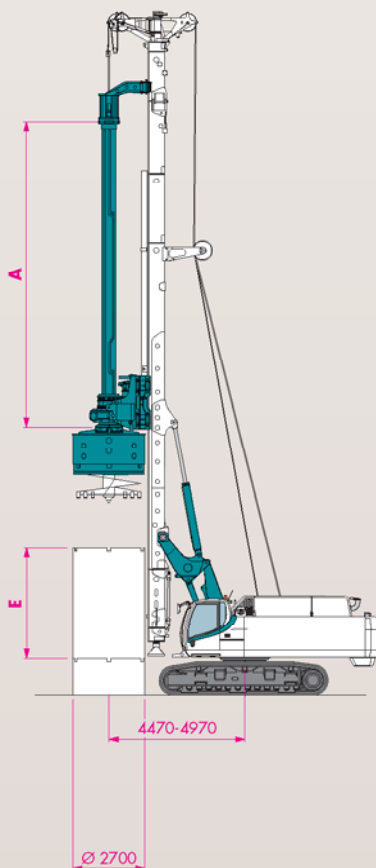
DATI TECNICI

**B360**  
HYDRAULIC PILING RIG

<b>PILING</b>		<b>PALI</b>	
Max depth		Profondità max	293 ft 89,3 m
Max diameter		Diametro max	118 in 3000 mm
Max diameter with casing - Crowd ram		Diametro max con tubo - Martinetto pull-down	106 in 2700 mm
Max diameter with casing - Crowd winch		Diametro max con tubo - Argano pull-down	91 in 2300 mm
Max diameter with casing oscillator		Diametro max con morsa giracolonna	79 in 2000 mm
<b>C.F.A. CONTINUOUS FLIGHT AUGER</b>		<b>ELICA CONTINUA C.F.A.</b>	
Max depth		Profondità max	97 ft 29,5 m
Max diameter		Diametro max	47 in 1200 mm
<b>SOIL MIXING</b>		<b>SOIL MIXING</b>	
Max depth		Profondità max	89 ft 27 m
Max diameter		Diametro max	47 in 1200 mm
<b>DIAPHRAGM WALL</b>		<b>DIAFRAMMI</b>	
Max depth		Profondità max	151 ft 46 m
Max length of trench		Lunghezza max scavo	118 in 3000 mm
Max width of trench		Larghezza max scavo	59 in 1500 mm
<b>UNDERCARRIAGE</b>		<b>CARATTERISTICHE CARRO</b>	
Width with retracted/extended tracks		Larghezza con cingoli chiusi/ aperti	138/197 in 3500/5000 mm
Tracks length		Lunghezza cingoli	240 in 6090 mm
Shoes width		Larghezza pattini	39 in 1000 mm
<b>ENGINE</b>		<b>MOTORE</b>	
Engine conforms to Exhaust Emission Standard		Motore conforme agli standard di emissione	EU Stage IIIA/IIIB - US EPA TIER III/IVi
Power at 2100 rpm		Potenza a 2100 giri	540 HP 403 kW
Hydraulic power		Potenza idraulica	443 HP 330 kW
<b>MAIN WINCH</b>		<b>ARGANO PRINCIPALE</b>	
Nominal line pull on 1 <sup>st</sup> layer		Tiro nominale 1° strato	81,000 lbf 360 kN
Max line speed		Velocità max fune	270 ft/min 82 m/min
<b>AUXILIARY WINCH</b>		<b>ARGANO AUSILIARIO</b>	
Nominal line pull on 1 <sup>st</sup> layer		Tiro nominale 1° strato	31,500 lbf 140 kN
Max line speed		Velocità max fune	197 ft/min 60 m/min
<b>MAIN WINCH FOR KRC USE</b>		<b>ARGANO PRINCIPALE USO KRC</b>	
Nominal line pull on 1 <sup>st</sup> layer		Tiro nominale 1° strato	56,200 lbf 250 kN
Max line speed		Velocità max fune	348 ft/min 106 m/min
<b>ROTARY HEAD</b>		<b>TESTA ROTARY</b>	
Max torque		Coppia max	162,300 lbf-ft/220 kNm 295,000 lbf-ft/400 kNm
Max drilling speed		Velocità max lavoro	68 rpm 25 rpm
Discharge speed		Velocità di scarico	100 rpm 100 rpm
<b>CROWD RAM</b>		<b>MARTINETTO PULL-DOWN</b>	
Max line pull		Tiro max	90,000 lbf 400 kN
Max crowd		Spinta max	56,200 lbf 250 kN
Stroke		Corsa	276 in 7000 mm
<b>CROWD WINCH</b>		<b>ARGANO PULL-DOWN</b>	
Max line pull		Tiro max	134,900 lbf 600 kN
Max crowd		Spinta max	134,900 lbf 600 kN
Stroke		Corsa	62 ft 19000 mm
<b>MAST INCLINATION</b>		<b>INCLINAZIONE MAST</b>	
Forward   Backward   Lateral		Avanti   Indietro   Laterale	3°   15°   ±3°
<b>WEIGHT</b>		<b>PESO</b>	
Weight in working condition		Attrezzatura in condizioni di lavoro	253,500 lb ~ 115 t

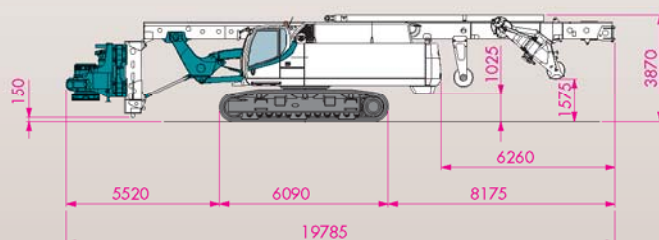
\* For Soil Mixing applications / Per impiego Soil Mixing

## ALLESTIMENTO PALI - PDC



## TRANSPORT DIMENSIONS

## DIMENSIONI DI TRASPORTO



<b>WEIGHT • PESO</b>	~ 101 t
Without counterweight and rotary head Senza zavorra e rotory	~ 78 t

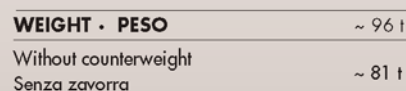
## ALLESTIMENTO PALI - PDW

# B 360

HYDRAULIC PILING RIG



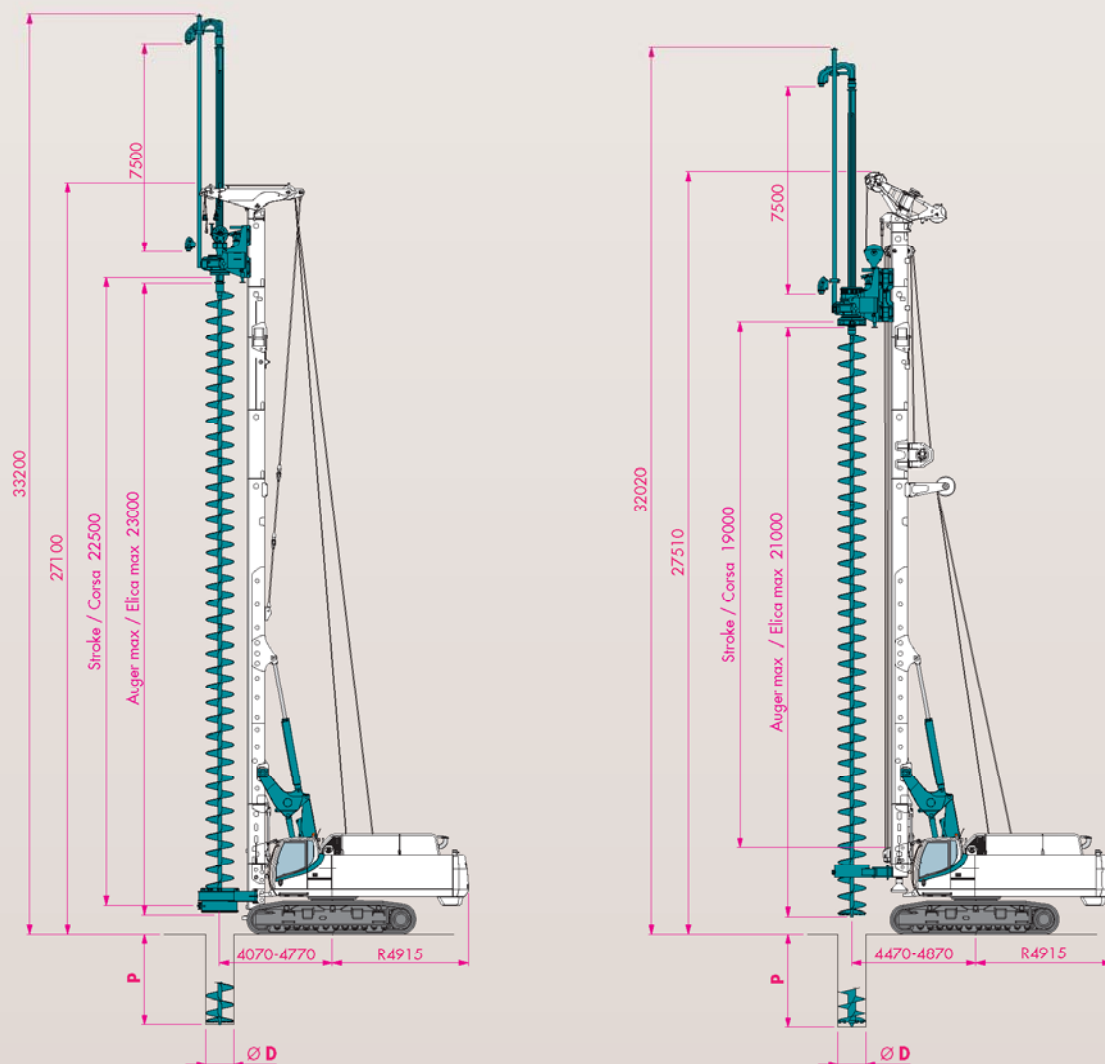
## DIMENSIONI DI TRASPORTO



# C.F.A. ARRANGEMENT

ALLESTIMENTO C.F.A.

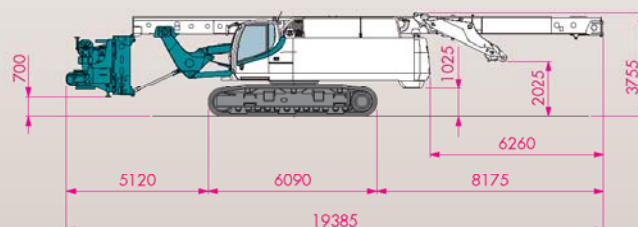
QUICK CFA VERSION - VERSIONE CFA RAPIDO



DRILLING DEPTH	PROFONDITÀ DI SCAVO		CFA	QUICK CFA
Max Diameter	Diametro max	Ø	<b>D</b> 1200	1200
Max depth with rotating auger cleaner	Profondità max con pulisci elica rotante	m	<b>P</b> 28,4	<b>P<sub>1</sub></b> 24,7
Max depth with star auger cleaner	Profondità max con pulisci elica stellare	m	<b>P</b> 29,5	<b>P<sub>1</sub></b> 25,8
Extraction force	Forza di estrazione	kN	1000	—
Extraction / crowd force	Forza di estrazione / spinta	kN	—	840/600

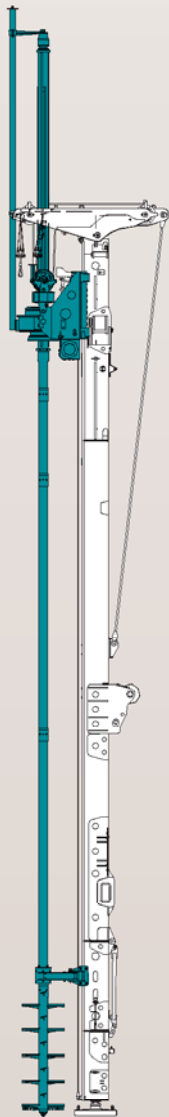
## TRANSPORT DIMENSIONS

DIMENSIONI DI TRASPORTO

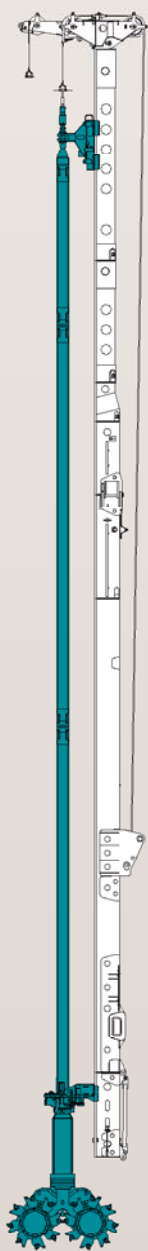


<b>WEIGHT • PESO</b>	~ 100 t
Without counterweight and rotary head Senza zavorra e rotary	~ 76 t

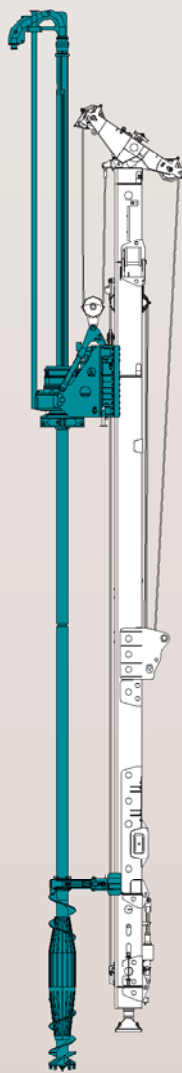




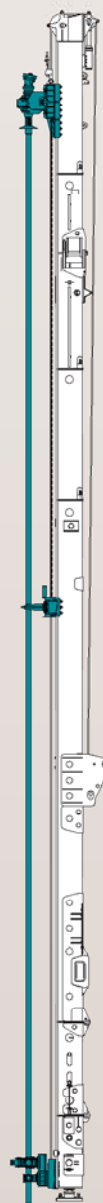
**SOIL MIXING**  
Depth 27 m  
Ø 1200 mm



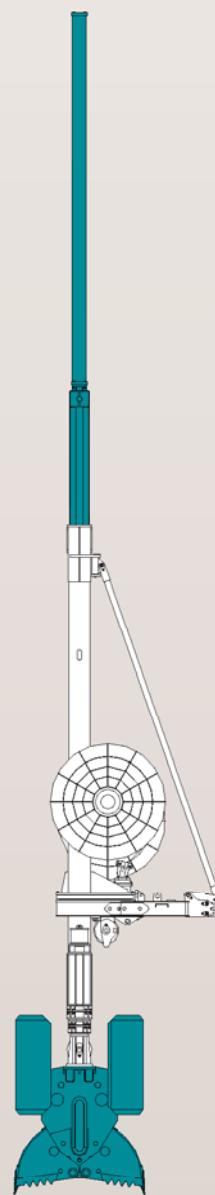
**CSM CUTTER  
SOIL MIXING**  
Depth 23 m  
Trench 1000 x 2800 mm



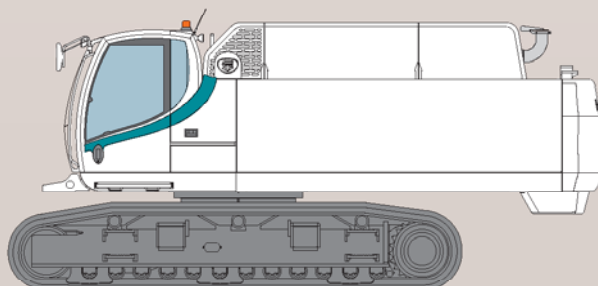
**DISPLACEMENT PILE**  
Depth 32 m  
Ø 620 mm



**MICROPILING  
JET-GROUTING**  
Rotary stroke 19 m  
Ø 40 ÷ 254 mm



**KRC  
DIAPHRAGM WALL**  
Depth 46 m  
Trench 500 ÷ 1500 mm



# CASAGRANDE HYDRAULIC PILING RIGS RANGE



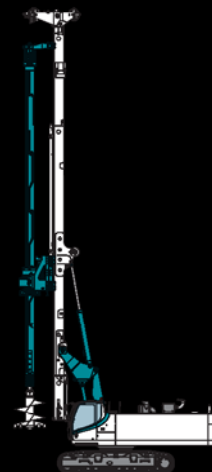
B125XP



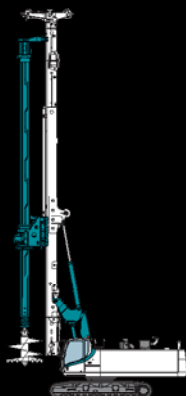
B175XP



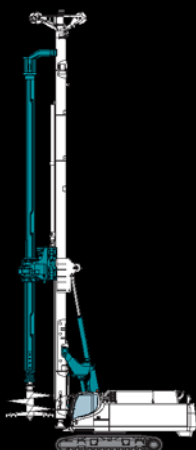
B200XP



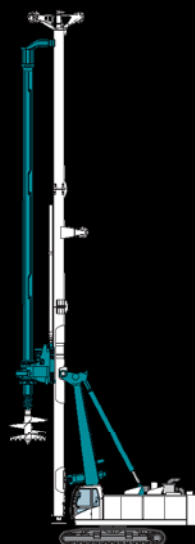
B250XP



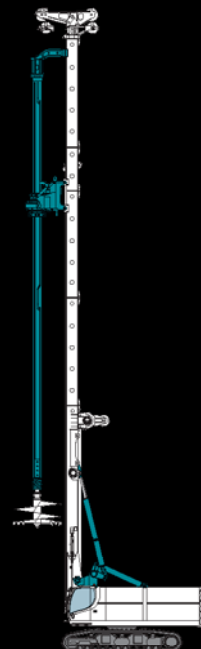
B300XP



B360XP



C850



B450XP

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**CASAGRANDE S.P.A.**

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

