



casagrande

B175 ^{XP}

HYDRAULIC PILING RIG

ATTREZZATURA IDRAULICA PER PALI



TECHNICAL SPECIFICATIONS

DATI TECNICI

B175
HYDRAULIC PILING RIG

XP

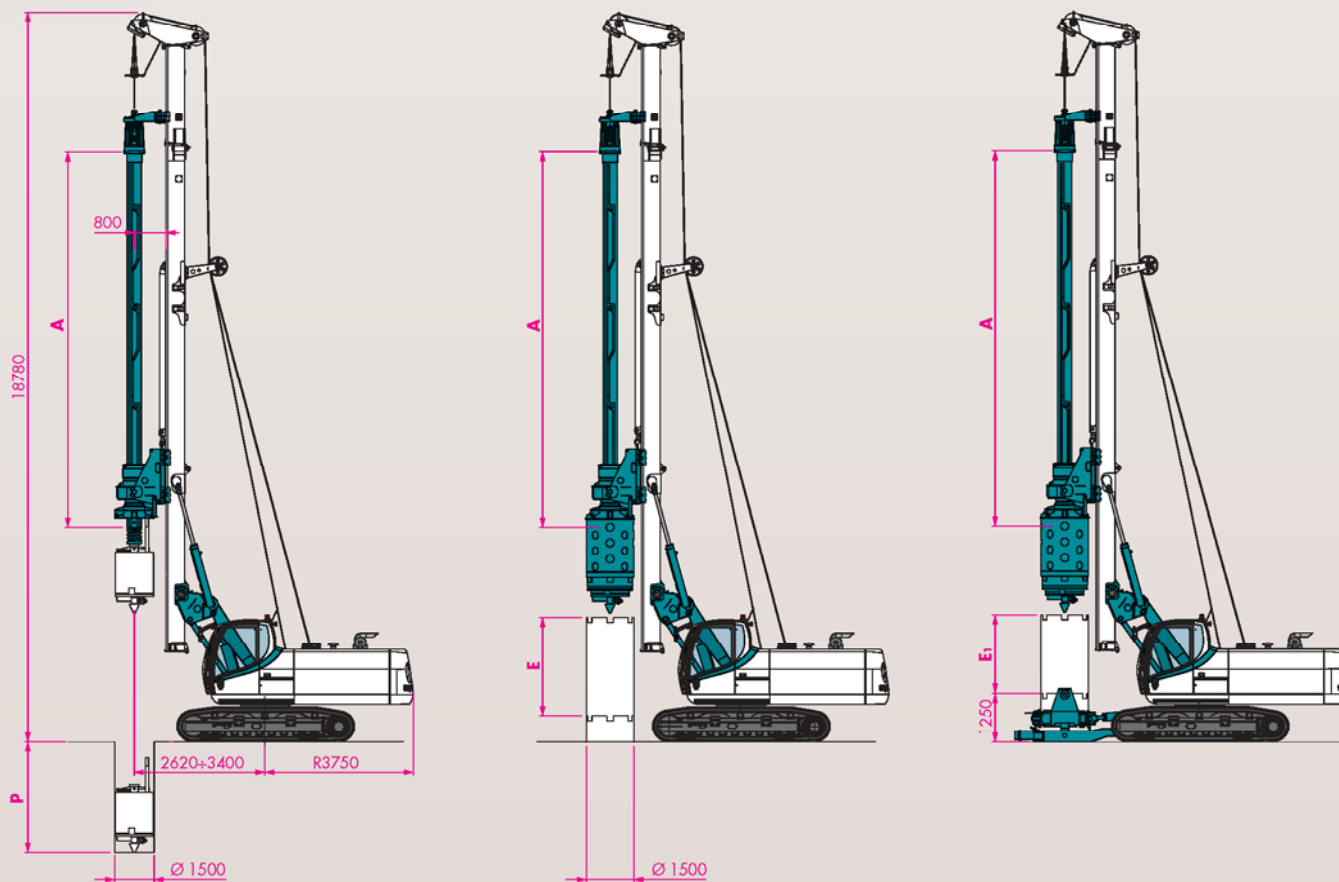
PILING	PALI		
Max depth	Profondità max		57 m
Max diameter	Diametro max		1500 mm
Max diameter with casing - Crowd ram	Diametro max con tubo - Martinetto pull-down		1500 mm
Max diameter with casing - Crowd winch	Diametro max con tubo - Argano pull-down		1200 mm
Max diameter with casing oscillator	Diametro max con morsa giracolonna		1000 mm
C.F.A. CONTINUOUS FLIGHT AUGER	ELICA CONTINUA C.F.A.		
Max depth	Profondità max		26 m
Max diameter	Diametro max		900 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 tracks	Larghezza con cingoli chiusi		2500 mm
Width with extended tracks	Larghezza con cingoli aperti		3700 mm
Tracks length	Lunghezza cingoli		4500 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/IV†	
Power at 2200 rpm	Potenza a 2200 giri		194 kW
Hydraulic power	Potenza idraulica		170 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	H18 SX *	H18
Max torque	Coppia max	146 kNm	160 kNm
Max drilling speed	Velocità max lavoro	52 rpm	32 rpm
Discharge speed	Velocità di scarico	—	130 rpm
CROWD RAM	MARTINETTO PULL-DOWN		
Max line pull	Tiro max		190 kN
Max crowd	Spinta max		130 kN
Stroke	Corsa		3800 mm
CROWD WINCH	ARGANO PULL-DOWN		
Max line pull	Tiro max		280 kN
Max crowd	Spinta max		280 kN
Stroke	Corsa		13500 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		~ 42,5 t

* For Soil Mixing applications / Per impiego Soil Mixing

PILING ARRANGEMENT - PDC

ALLESTIMENTO PALI - PDC

CROWD RAM - MARTINETTO PULL-DOWN

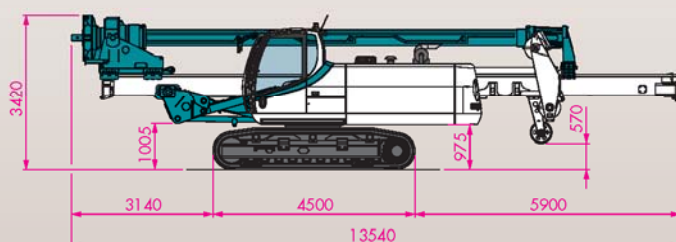


DRILLING DEPTH		PROFONDITÀ DI SCAVO					
Nominal kelly bars length	Lunghezza nominale aste	A	7500	9500	11000	12500*	
Kelly bars 4 element	Aste a 4 elementi	m	P	26	34	40	48
Kelly bars 5 element	Aste a 5 elementi	m	P	32	42	50	57
Casing length	Lunghezza tubo	mm	E	2500	2500	2500*	—
Casing length with oscillator	Lunghezza tubo con morsa	mm	E ₁	2000	2000	2000*	—

* With mast extension (1300 mm) / Con prolunga mast (1300 mm)

TRANSPORT DIMENSIONS

DIMENSIONI DI TRASPORTO



WEIGHT • PESO

~ 42,5 t

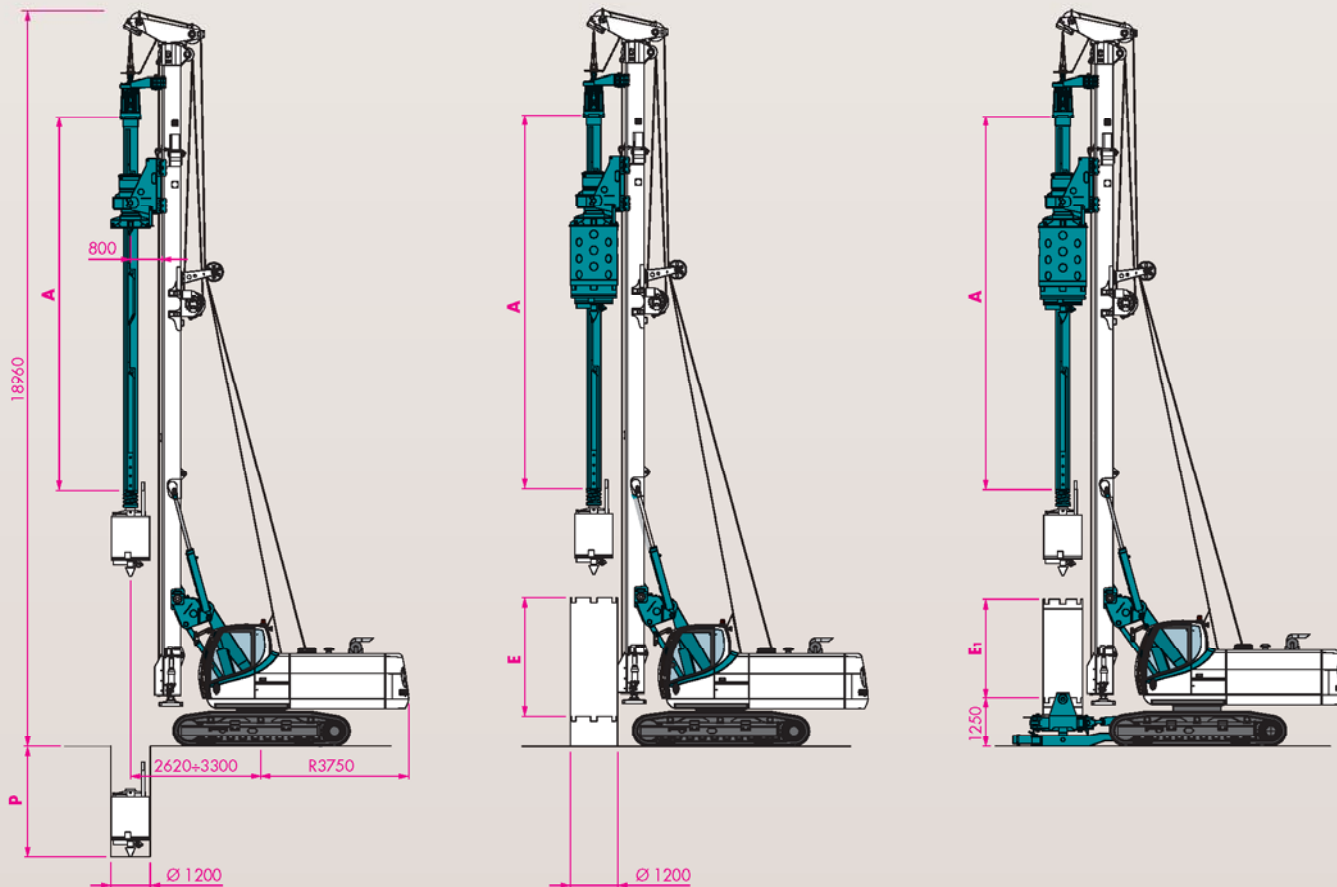
with kelly bars · con aste 9500

PILING ARRANGEMENT - PDW

ALLESTIMENTO PALI - PDW

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CROWD WINCH - ARGANO PULL-DOWN

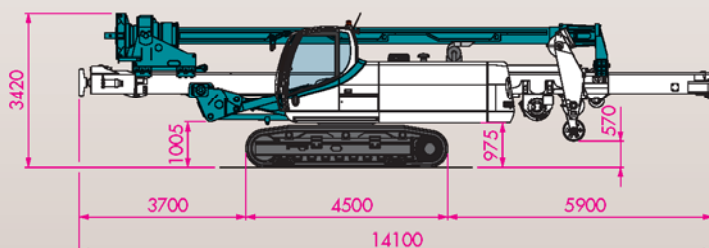


DRILLING DEPTH		PROFONDITÀ DI SCAVO					
Nominal kelly bars length	Lunghezza nominale aste	A	7500	9500	11000	12500*	
Kelly bars 4 element	Aste a 4 elementi	m	P	25	33	39	47
Kelly bars 5 element	Aste a 5 elementi	m	P	32	42	50	57
Casing length	Lunghezza tubo	mm	E	5000	3000	1500	—
Casing length with oscillator	Lunghezza tubo con morsa	mm	E ₁	4500	2500	1000	1000*

* With mast extension (1300 mm) / Con prolunga mast (1300 mm)

TRANSPORT DIMENSIONS

DIMENSIONI DI TRASPORTO



WEIGHT • PESO

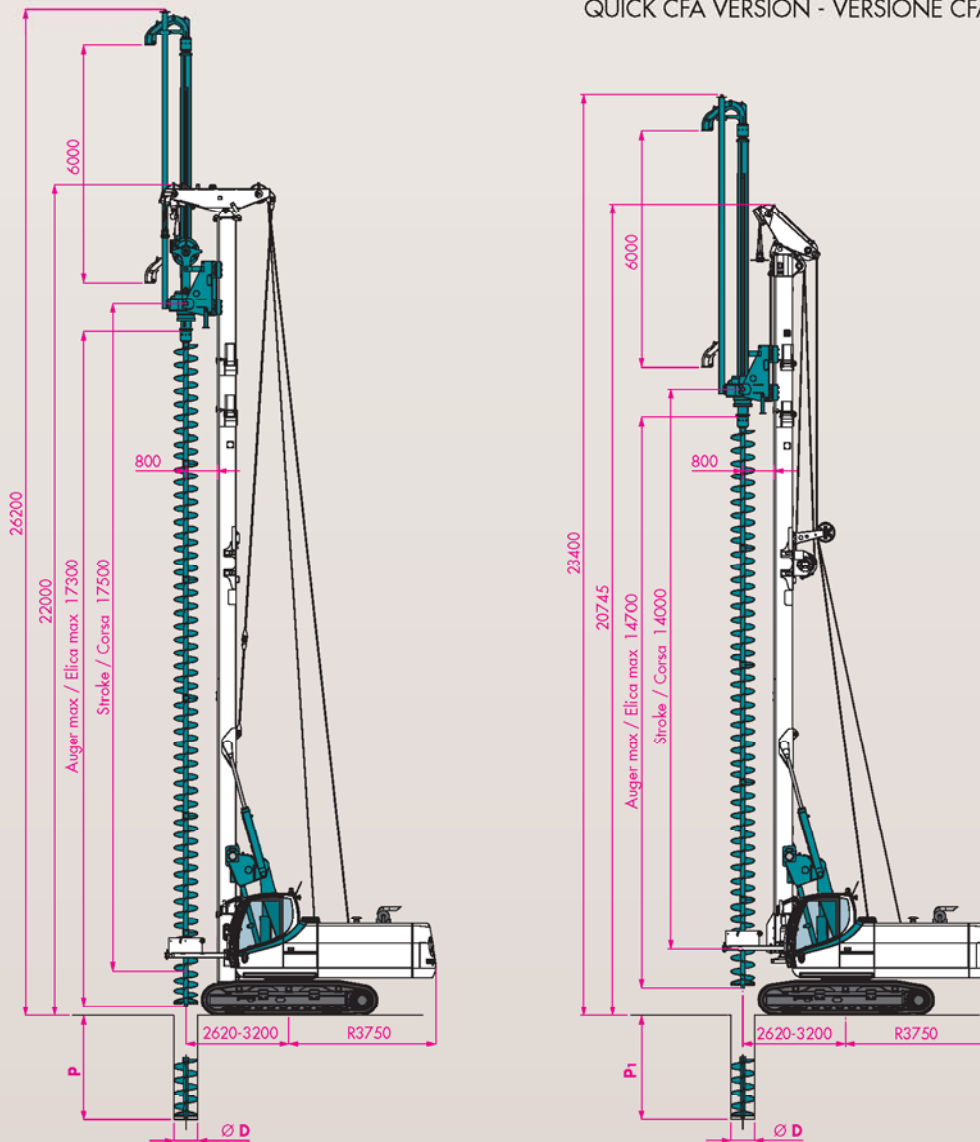
~ 43 t

with kelly bars · con aste 7500

C.F.A. ARRANGEMENT

ALLESTIMENTO C.F.A.

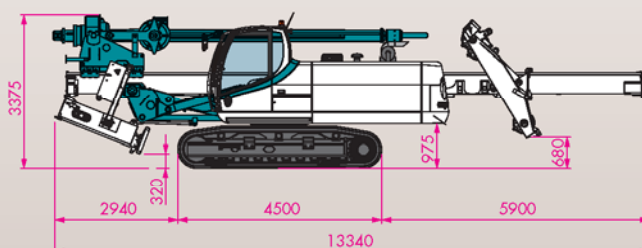
QUICK CFA VERSION - VERSIONE CFA RAPIDO



DRILLING DEPTH	PROFONDITÀ DI SCAVO		CFA	QUICK CFA
Max Diameter	Diametro max	Ø	D 900	900
Max depth with rotating auger cleaner	Profondità max con pulisci elica rotante	m	P 22	P₁ 18,5
Max depth with star auger cleaner	Profondità max con pulisci elica stellare	m	P 23	P₁ 19,6
Extraction force	Forza di estrazione	kN	540	—
Extraction / crowd force	Forza di estrazione / spinta	kN	—	280/280

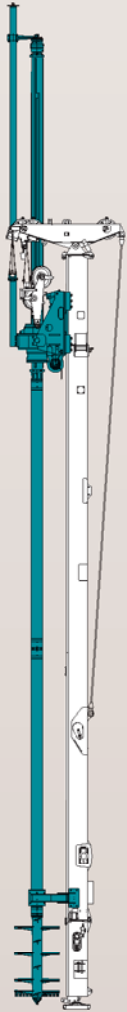
TRANSPORT DIMENSIONS

DIMENSIONI DI TRASPORTO

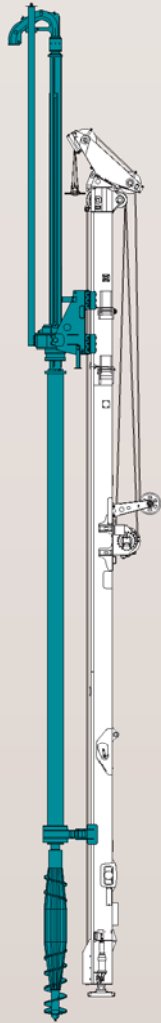


WEIGHT • PESO

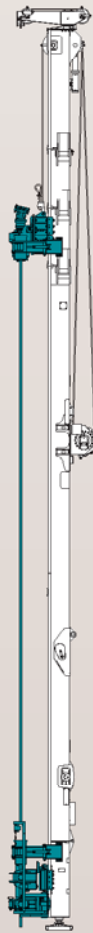
~ 40 t



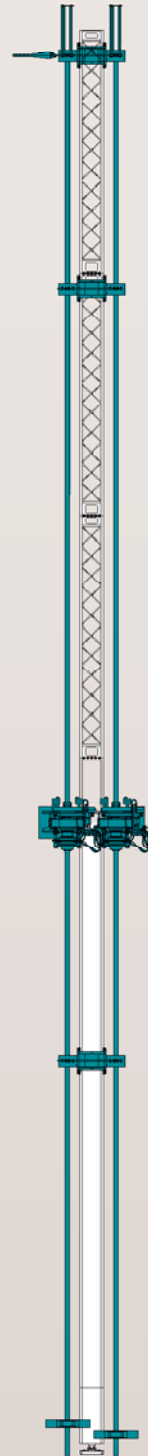
SOIL MIXING
Depth 21 m
Ø 1000 mm



DISPLACEMENT PILE
Depth 18 m
Ø 500 mm

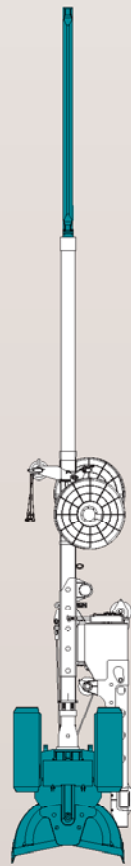


MICROPILING
Stroke 16 m
Ø 90 ÷ 406 mm

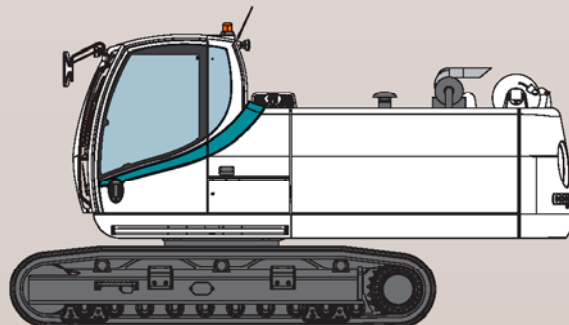


BI-JET GROUTING
Depth 32 m

JET GROUTING
Depth 68 m
with rod loader



**DIAPHRAGM WALL
KRC**
Depth 30 m
Trench 800 x 2500 mm



CASAGRANDE HYDRAULIC PILING RIGS RANGE



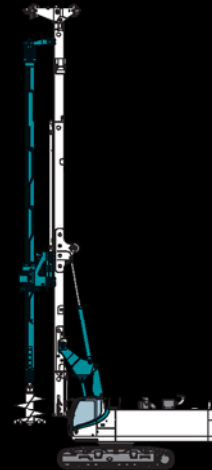
B125XP



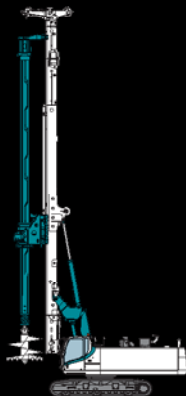
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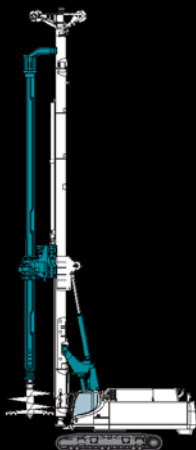
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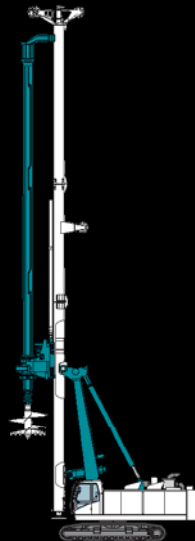
B250XP



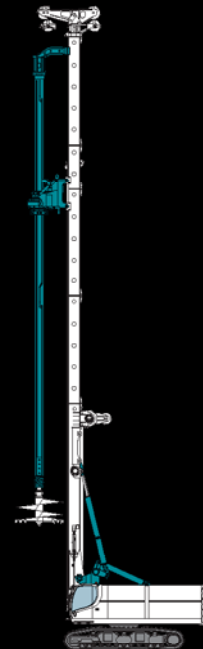
B300XP



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.
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