



casagrande

B175 ^{XP}

HYDRAULIC PILING RIG

ATTREZZATURA IDRAULICA PER PALI



TECHNICAL SPECIFICATIONS

DATI TECNICI

B175
HYDRAULIC PILING RIG

XP

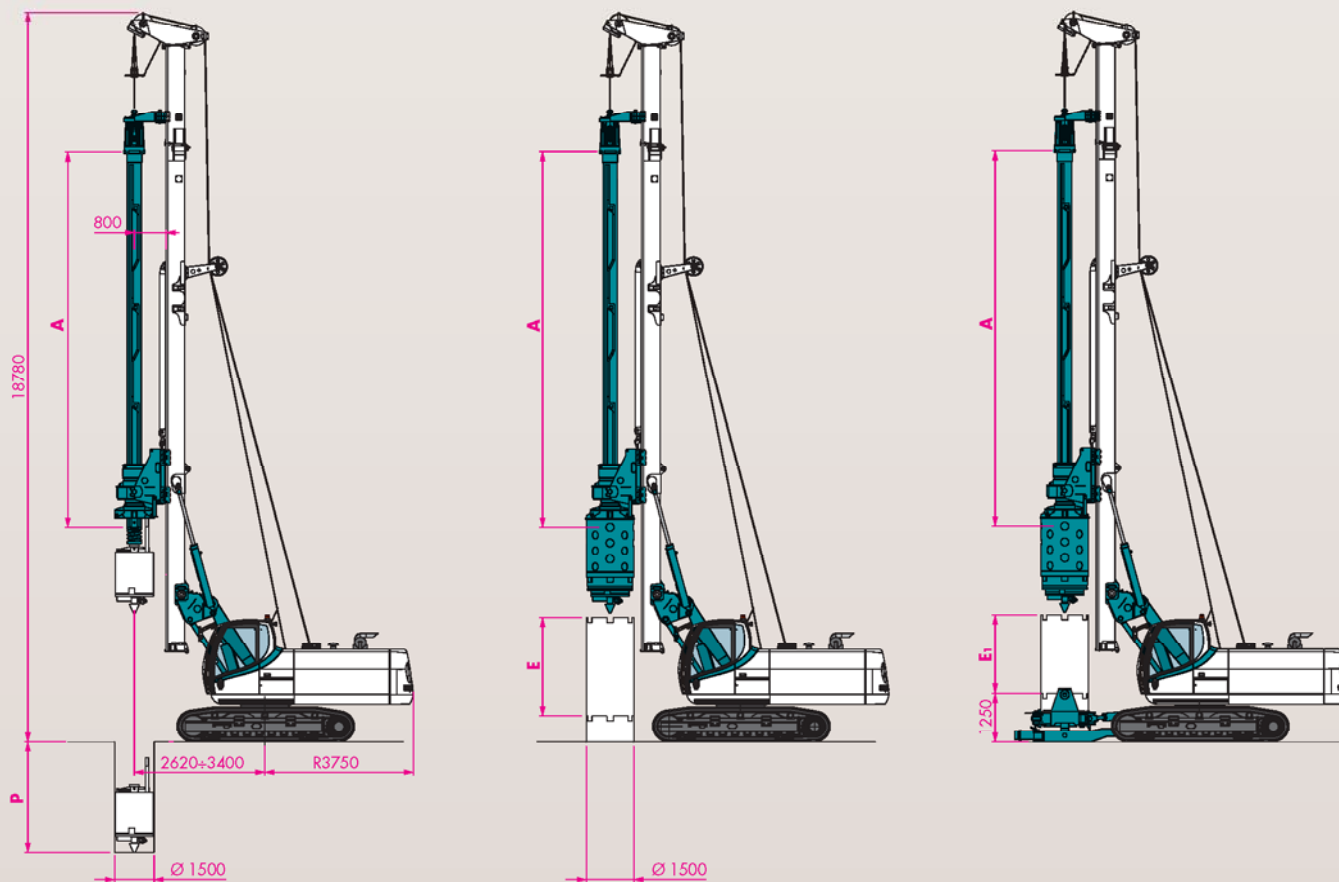
PILING		PALI	
Max depth		Profondità max	57 m
Max diameter		Diametro max	1500 mm
Max diameter with casing - Crowd ram		Diametro max con tubo - Martinetto pull-down	1500 mm
Max diameter with casing - Crowd winch		Diametro max con tubo - Argano pull-down	1200 mm
Max diameter with casing oscillator		Diametro max con morsa giracolonna	1000 mm
C.F.A. CONTINUOUS FLIGHT AUGER		ELICA CONTINUA C.F.A.	
Max depth		Profondità max	23 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

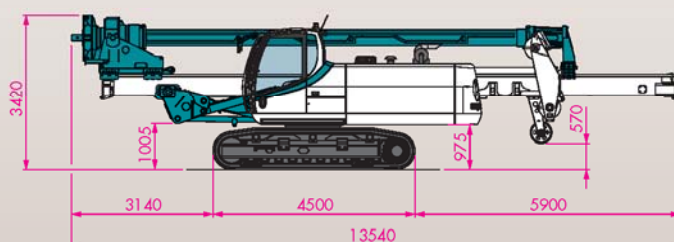


DRILLING DEPTH		PROFONDITÀ DI SCAVO					
Nominal kelly bars length	Lunghezza nominale aste		A	7500	9500	11000	12500*
Kelly bars 4 element	Aste a 4 elementi	m	P	26	34	40	48
Kelly bars 5 element	Aste a 5 elementi	m	P	32	42	50	57
Casing length	Lunghezza tubo	mm	E	2500	2500	2500*	—
Casing length with oscillator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

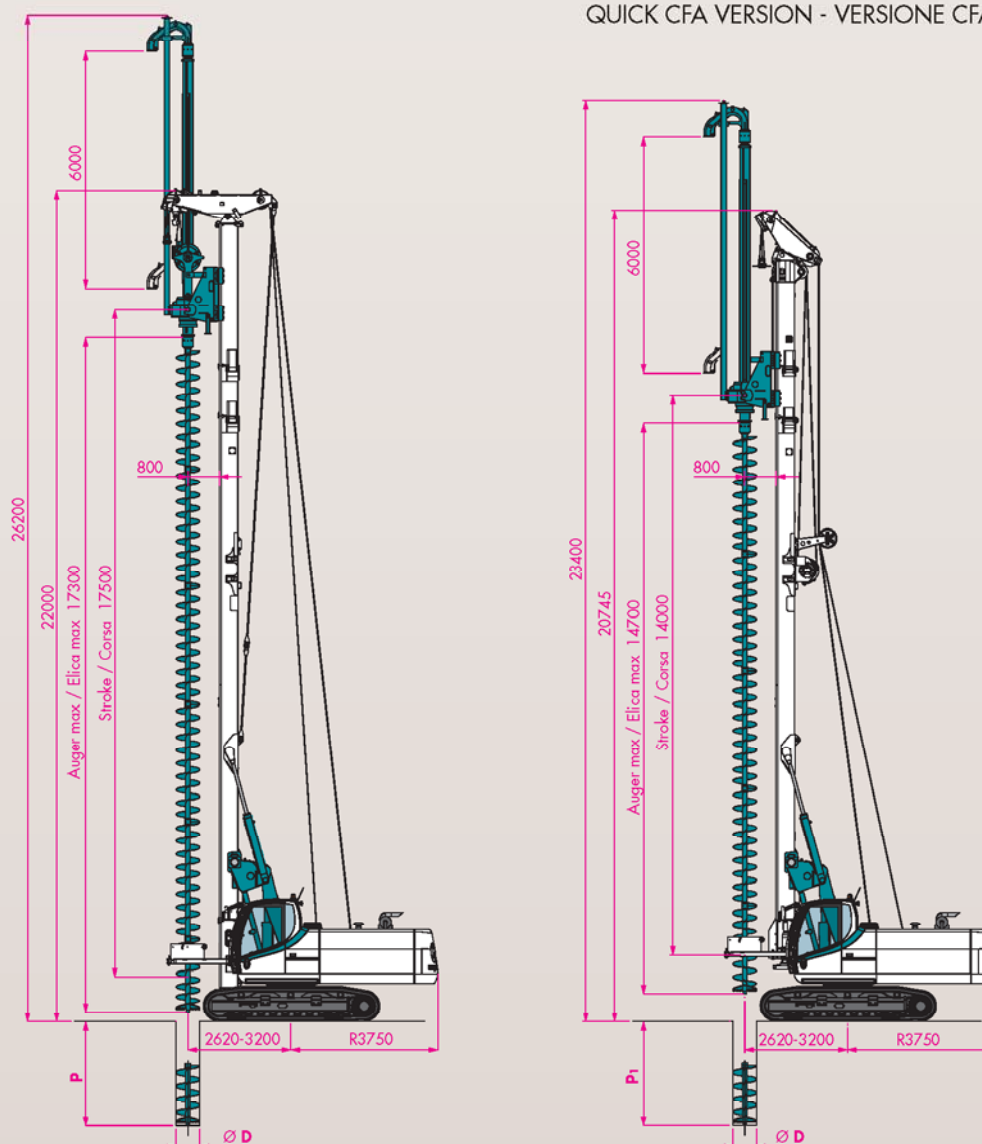
~ 42,5 t

with kelly bars · con aste 9500

C.F.A. ARRANGEMENT

ALLESTIMENTO C.F.A.

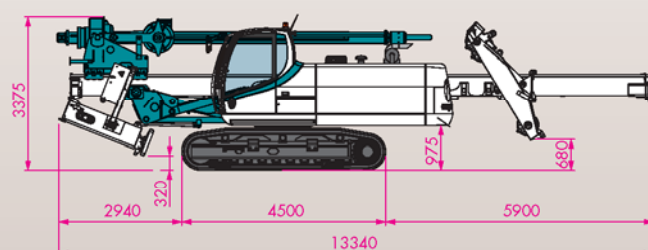
QUICK CFA VERSION - VERSIONE CFA RAPIDO



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

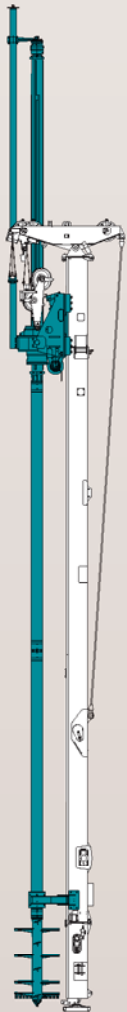
TRANSPORT DIMENSIONS

DIMENSIONI DI TRASPORTO

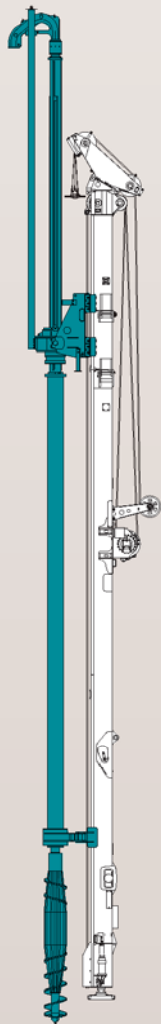


WEIGHT • PESO

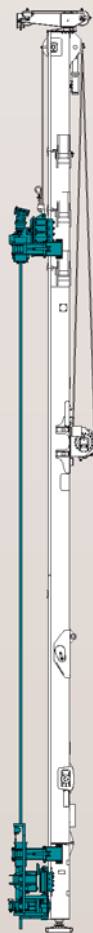
~ 40 t



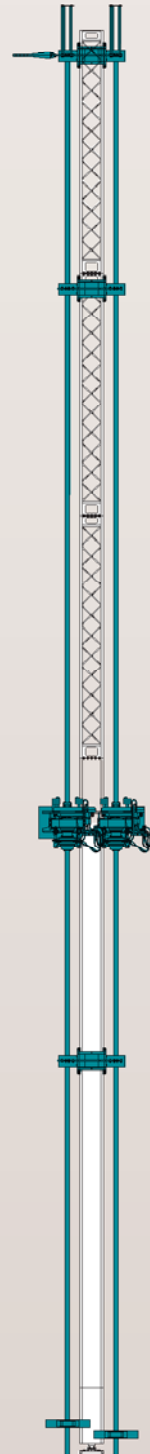
SOIL MIXING
Depth 21 m
Ø 1000 mm



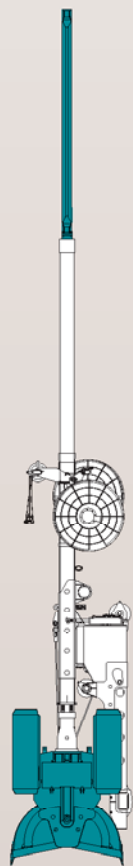
DISPLACEMENT PILE
Depth 18 m
Ø 500 mm



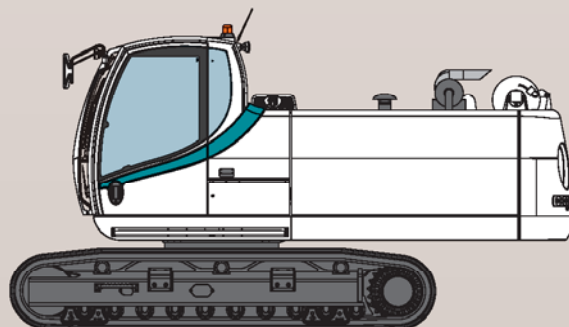
MICROPILING
Stroke 16 m
Ø 90 ÷ 406 mm



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



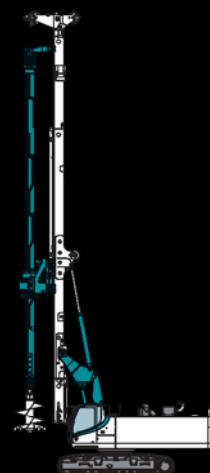
B125xp



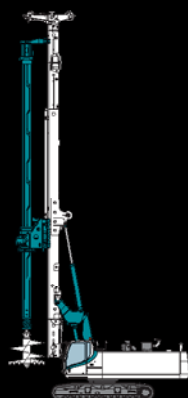
B175xp



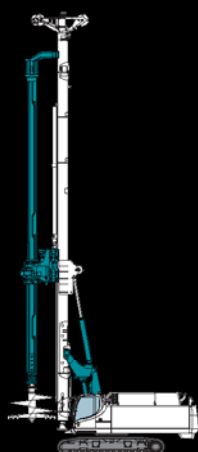
B200xp



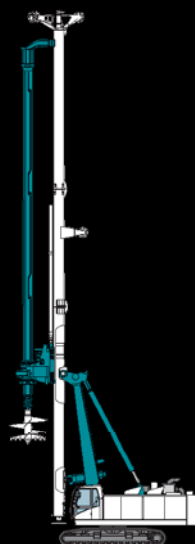
B250xp



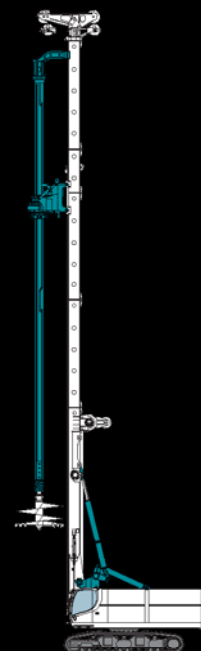
B300xp



B360xp



C850



B450xp

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