



casagrande

XP
B 300

HYDRAULIC PILING RIG

ATTREZZATURA IDRAULICA PER PALI



TECHNICAL SPECIFICATIONS

DATI TECNICI

B300^{XP}
HYDRAULIC PILING RIG

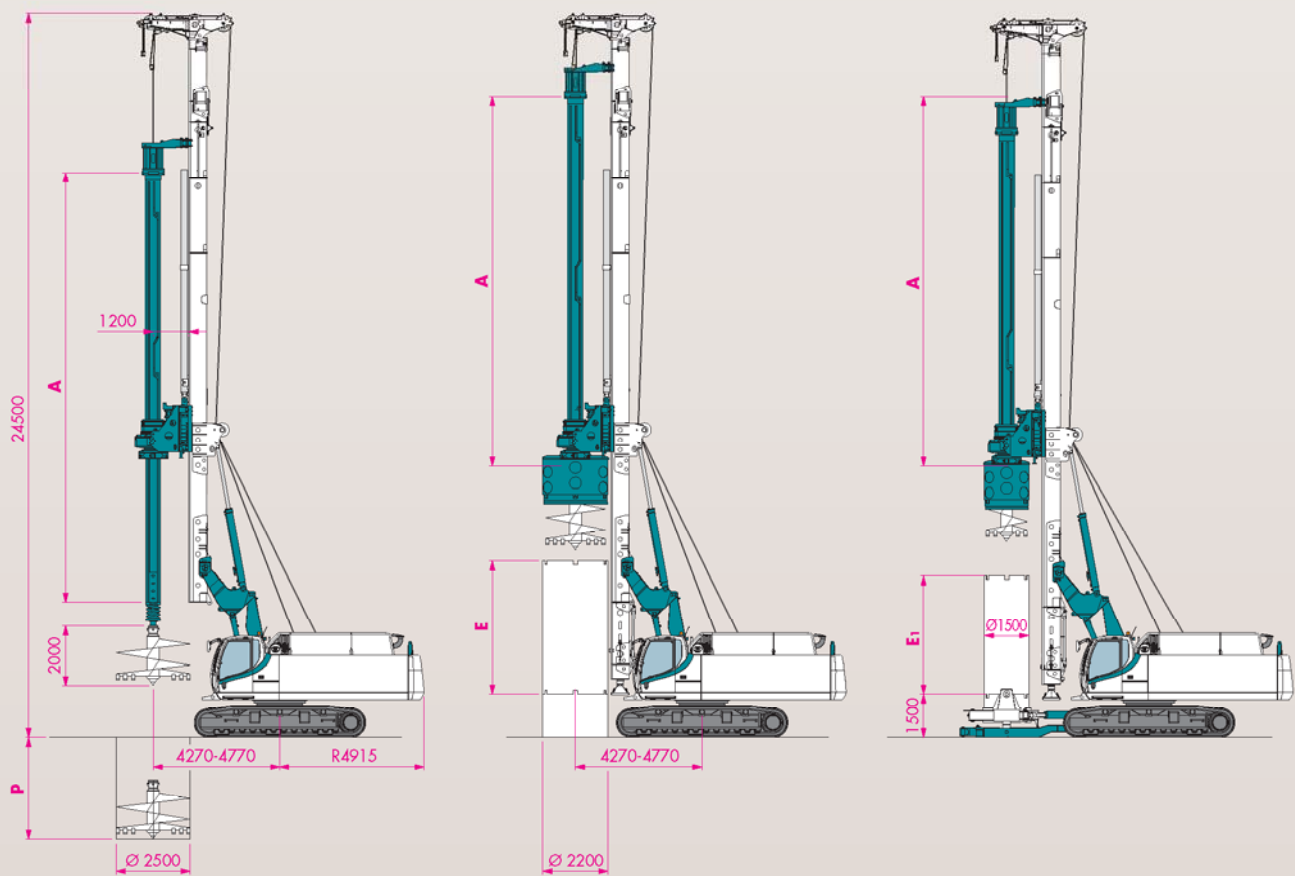
PILING	PALI		
Max depth	Profondità max		89 m
Max diameter	Diametro max		2500 mm
Max diameter with casing - Crowd ram	Diametro max con tubo - Martinetto pull-down		2200 mm
Max diameter with casing - Crowd winch	Diametro max con tubo - Argano pull-down		2000 mm
Max diameter with casing oscillator	Diametro max con morsa giracolonna		1500 mm
C.F.A. CONTINUOUS FLIGHT AUGER	ELICA CONTINUA C.F.A.		
Max depth	Profondità max		29 m
Max diameter	Diametro max		1200 mm
SOIL MIXING	SOIL MIXING		
Max depth	Profondità max		26 m
Max diameter	Diametro max		1200 mm
DIAPHRAGM WALL	DIAFRAMMI		
Max depth	Profondità max		46 m
Max length of trench	Lunghezza max scavo		3000 mm
Max width of trench	Larghezza max scavo		1500 mm
UNDERCARRIAGE	CARATTERISTICHE CARRO		
Width with retracted/extended tracks	Larghezza con cingoli chiusi/ aperti		3000/4480 mm
Tracks length	Lunghezza cingoli		5790 mm
Shoes width	Larghezza pattini		900 mm
ENGINE	MOTORE	CATERPILLAR C15 ACERT TA	
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		403 kW
Hydraulic power	Potenza idraulica		330 kW
MAIN WINCH	ARGANO PRINCIPALE		
Nominal line pull on 1 st layer	Tiro nominale 1° strato		320 kN
Max line speed	Velocità max fune		94 m/min
AUXILIARY WINCH	ARGANO AUSILIARIO		
Nominal line pull on 1 st layer	Tiro nominale 1° strato		140 kN
Max line speed	Velocità max fune		60 m/min
MAIN WINCH FOR KRC USE	ARGANO PRINCIPALE USO KRC		
Nominal line pull on 1 st layer	Tiro nominale 1° strato		250 kN
Max line speed	Velocità max fune		106 m/min
ROTARY HEAD	TESTA ROTARY	H30 SX *	H30
Max torque	Coppia max	220 kNm	300 kNm
Max drilling speed	Velocità max lavoro	68 rpm	29 rpm
Discharge speed	Velocità di scarico	100 rpm	125 rpm
CROWD RAM	MARTINETTO PULL-DOWN		
Max line pull	Tiro max		400 kN
Max crowd	Spinta max		250 kN
Stroke	Corsa		7000 mm
CROWD WINCH	ARGANO PULL-DOWN		
Max line pull	Tiro max		500 kN
Max crowd	Spinta max		500 kN
Stroke	Corsa		19000 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		~ 98 t

* For Soil Mixing applications / Per impiego Soil Mixing

PILING ARRANGEMENT - PDC

ALLESTIMENTO PALI - PDC

CROWD RAM - MARTINETTO PULL-DOWN



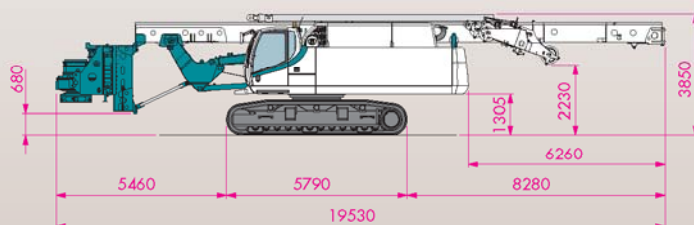
DRILLING DEPTH

PROFONDITÀ DI SCAVO

Nominal kelly bars length	Larghezza nominale aste		A	7500	9500	11000	12500	14500	16500
Kelly bars 4 elements	Aste a 4 elementi	m	P	25,5	33,5	39,5	45,5	53,5	61,5
Kelly bars 5 elements	Aste a 5 elementi	m	P	32	42	50	57	67	77
Casing length	Lunghezza tubo	mm	E	5000	5000	5000	4500	2500	—
Casing length with oscillator	Lunghezza tubo con morsa	mm	E ₁	5000	5000	5000	4500	2500	—

TRANSPORT DIMENSIONS

DIMENSIONI DI TRASPORTO



WEIGHT • PESO ~ 86 t

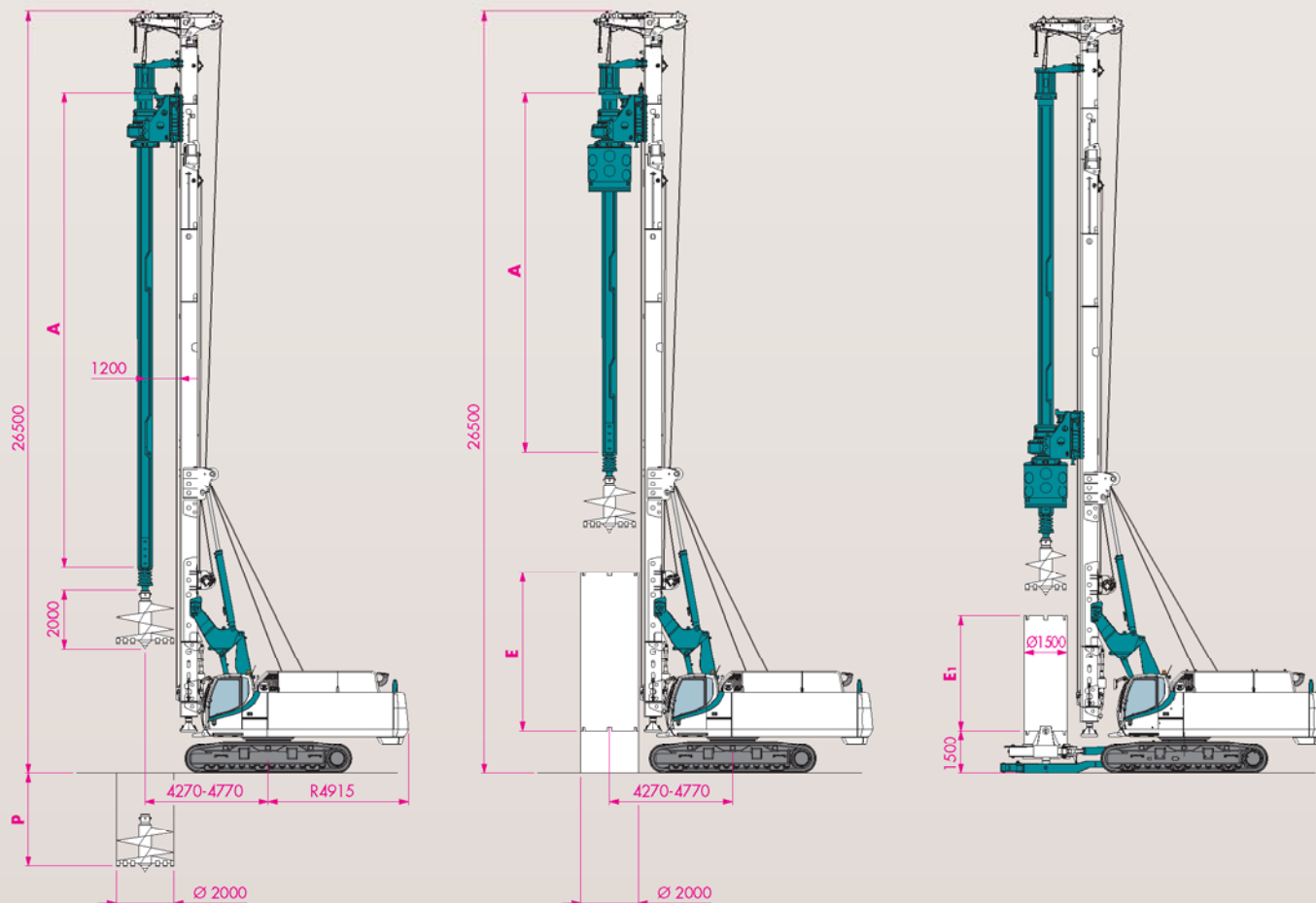
Without counterweight and rotary head
Senza zavorra e rotary ~ 68 t

PILING ARRANGEMENT - PDW

ALLESTIMENTO PALI - PDW

B300
HYDRAULIC PILING RIG

CROWD WINCH - ARGANO PULL-DOWN



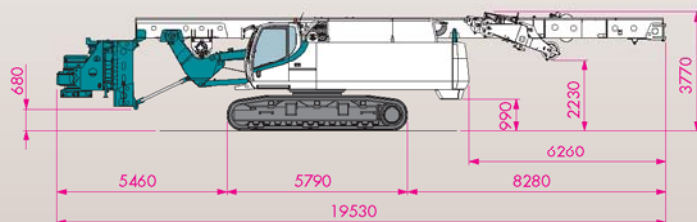
DRILLING DEPTH

PROFONDITÀ DI SCAVO

Nominal kelly bars length	Larghezza nominale aste		A	7500	9500	11000	12500	14500	16500	19000
Kelly bars 4 elements	Aste a 4 elementi	m	P	25	33	39	45	53	61	71
Kelly bars 5 elements	Aste a 5 elementi	m	P	31,5	41,5	49	56,5	66,5	76,5	89
Casing length	Lunghezza tubo	mm	E	11000	9000	7500	6000	4000	2000	—
Casing length with oscillator	Lunghezza tubo con morsa	mm	E₁	11000	9000	7500	6000	4000	2000	—

TRANSPORT DIMENSIONS

DIMENSIONI DI TRASPORTO



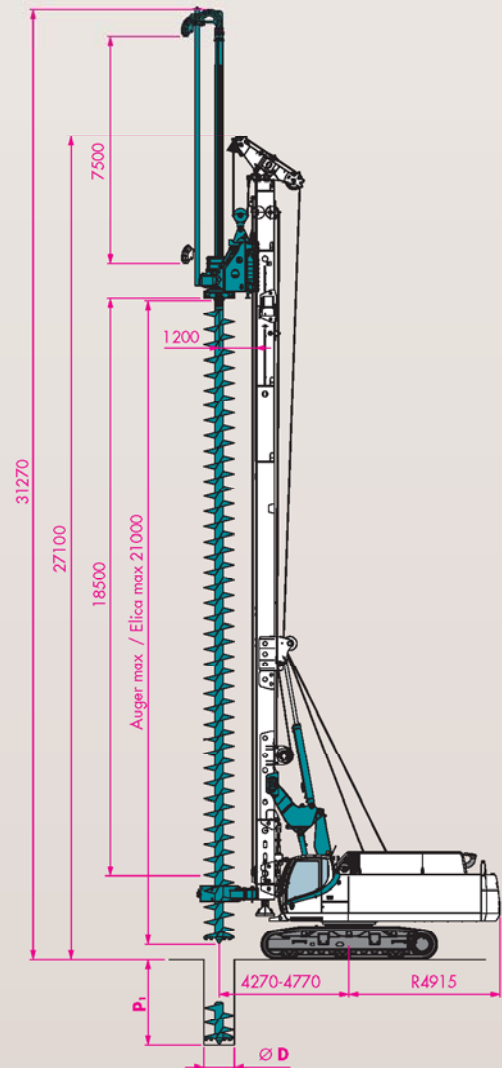
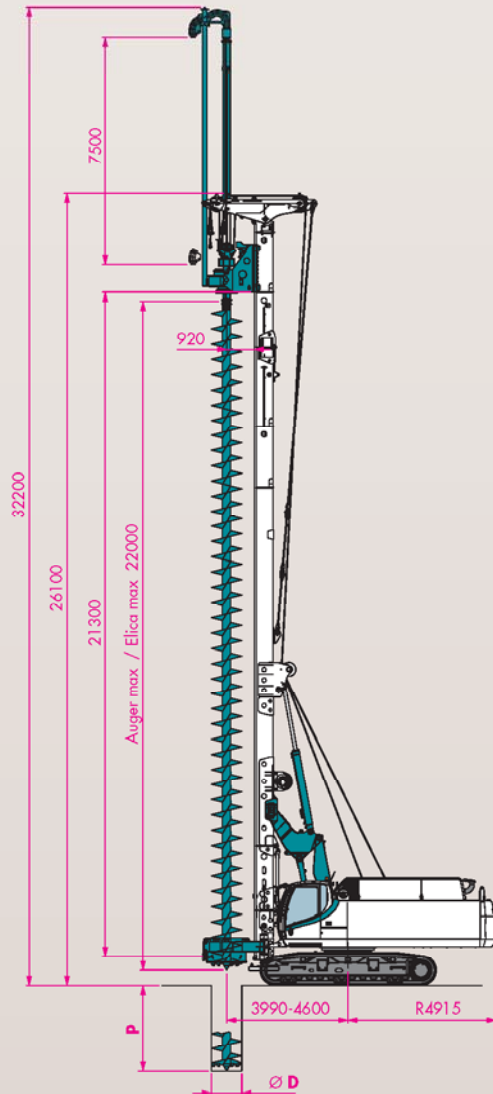
WEIGHT - PESO ~ 92 t

Without counterweight and rotary head
Senza zavorra e rotary ~ 70 t

C.F.A. ARRANGEMENT

ALLESTIMENTO C.F.A.

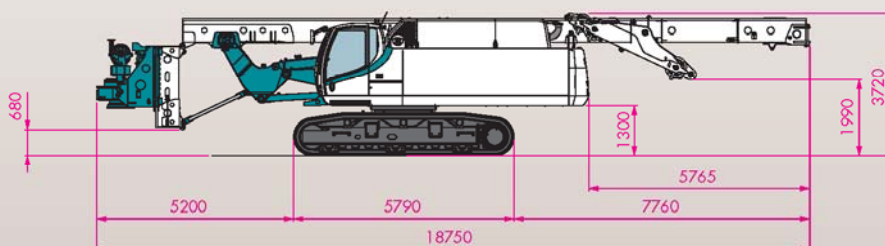
QUICK CFA VERSION - VERSIONE CFA RAPIDO



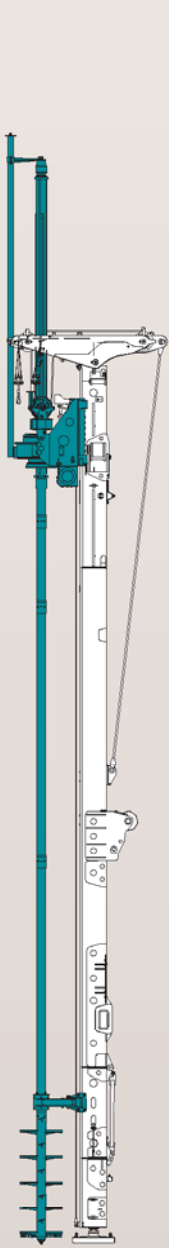
DRILLING DEPTH	PROFONDITÀ DI SCAVO		CFA	QUICK CFA
Max Diameter	Diametro max	Ø	D 1200	1000
Max depth with rotating auger cleaner	Profondità max con pulisci elica rotante	m	P 28	P₁ 25
Max depth with star auger cleaner	Profondità max con pulisci elica stellare	m	P 29	P₁ 26
Extraction force	Forza di estrazione	kN	910	—
Extraction / crowd force	Forza di estrazione / spinta	kN	—	840/500

TRANSPORT DIMENSIONS

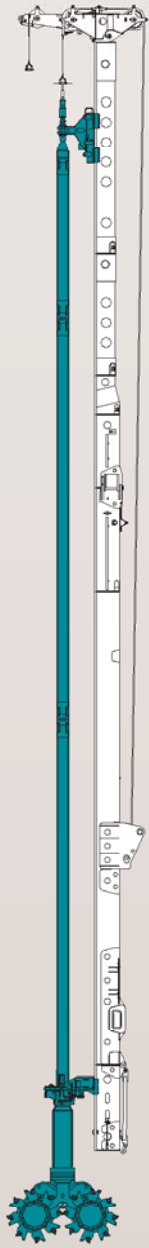
DIMENSIONI DI TRASPORTO



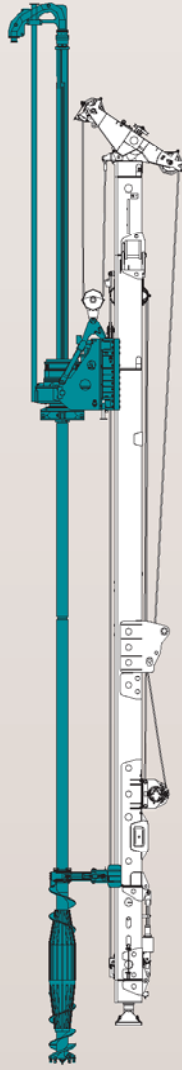
WEIGHT · PESO	~ 88 t
Without counterweight and rotary head Senza zavorra e rotary	~ 71 t



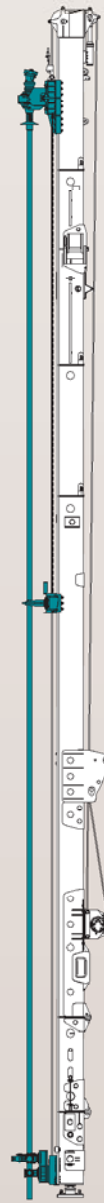
SOIL MIXING
Depth 26 m
Ø 1200 mm



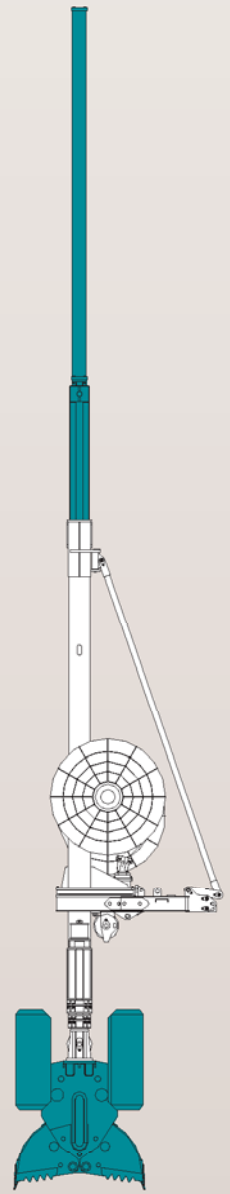
**CSM CUTTER
SOIL MIXING**
Depth 23 m
Trench 1000 x 2800 mm



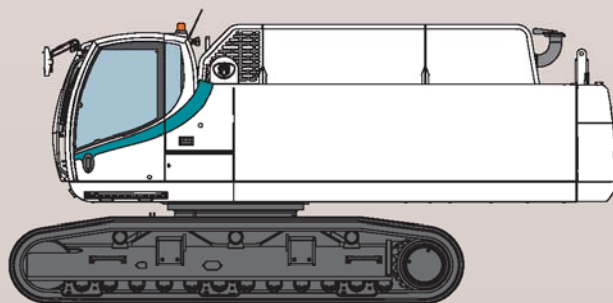
DISPLACEMENT PILE
Depth 32 m
Ø 620 mm



**MICROPILING
JET-GROUTING**
Rotary stroke 18 m
Ø 40 ÷ 254 mm



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



CASAGRANDE HYDRAULIC PILING RIGS RANGE



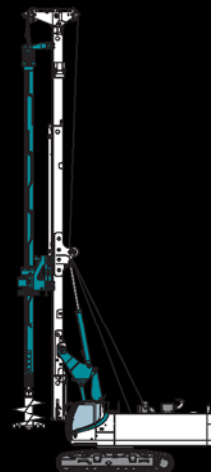
B125XP



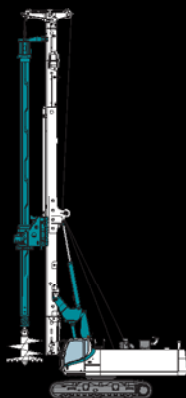
B175XP



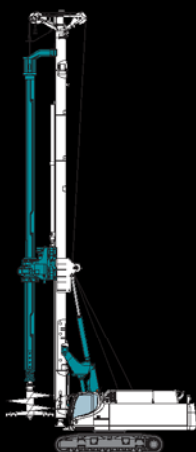
B200XP



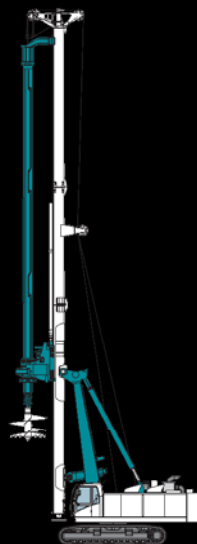
B250XP



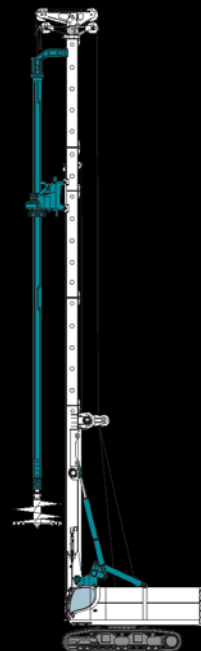
B300XP



B360XP



C850



B450XP

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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