



casagrande

XP

B300

HYDRAULIC PILING RIG

ATTREZZATURA IDRAULICA PER PALI



TECHNICAL SPECIFICATIONS

DATI TECNICI

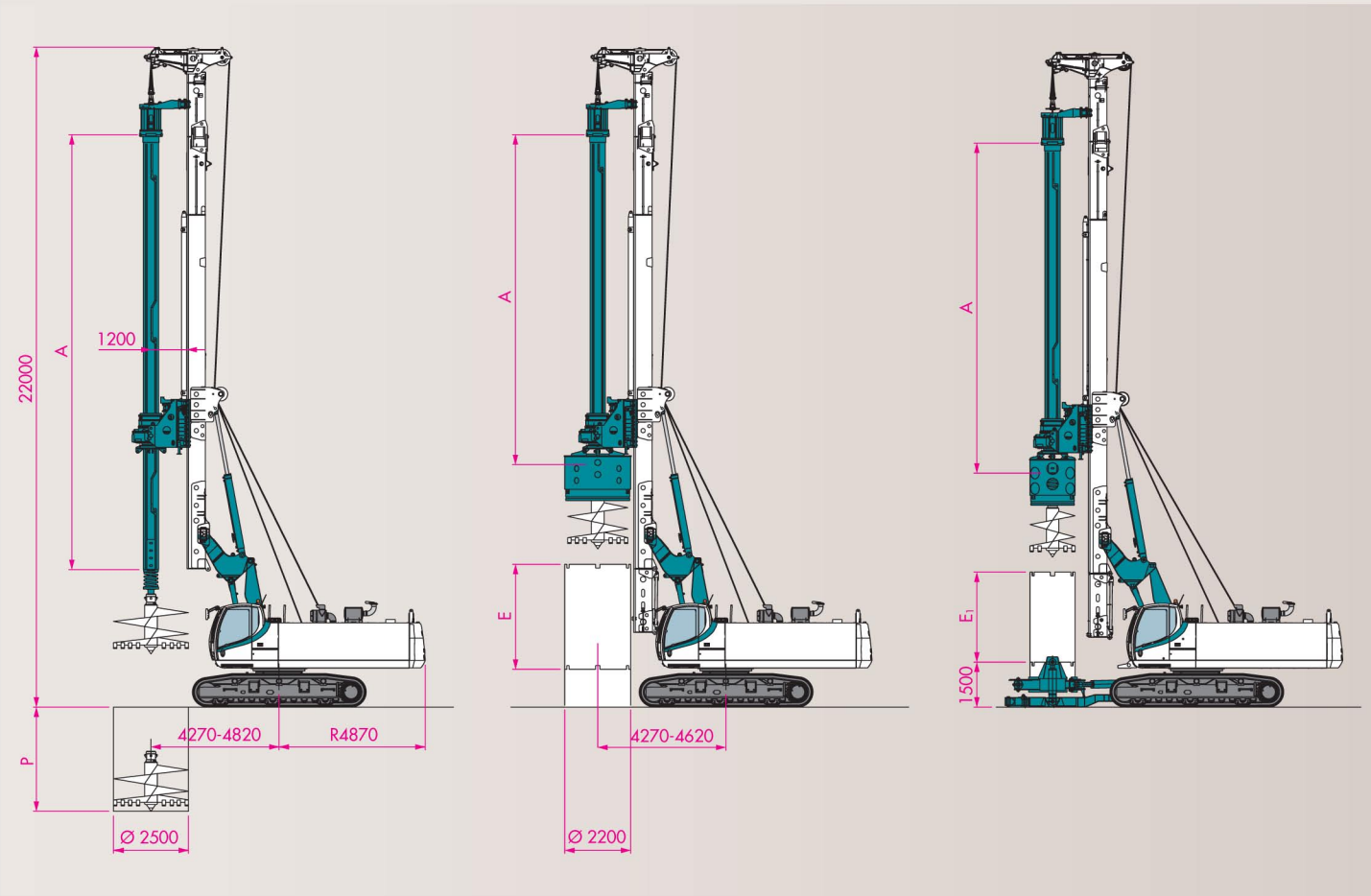


PILING		PALI	
Max depth		Profondità max	90 m
Max diameter		Diametro max	2500 mm
Max diameter with casing - Crowd ram		Diametro max con tubo - Martinetto pull-down	2200 mm
Max diameter with casing - Crowd winch		Diametro max con tubo - Argano pull-down	2000 mm
Max diameter with casing oscillator		Diametro 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	
Model		Modello	DEUTZ AG TCD 2015 V06 (EPA/COM III) Intercooler
Power at 2200 rpm		Potenza a 2200 giri	330 kW
Hydraulic power		Potenza idraulica	300 kW
MAIN WINCH		ARGANO PRINCIPALE	
Nominal line pull on 1 st layer		Tiro nominale 1° strato	270 kN
Max line speed		Velocità max fune	90 m/min
AUXILIARY WINCH		ARGANO AUSILIARIO	
Max line pull		Tiro max	134 kN
Max line speed		Velocità max fune	64 m/min
MAIN WINCH FOR KRC USE		ARGANO PRINCIPALE USO KRC	
Max line pull		Tiro max	250 kN
Max line speed		Velocità max fune	106 m/min
ROTARY HEAD		TESTA ROTARY	
Max torque		Coppia max	H30 SX * 220 kNm H30 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	211 kN
Max crowd		Spinta max	180 kN
Stroke		Corsa	6000 mm
CROWD WINCH		ARGANO PULL-DOWN	
Max line pull		Tiro max	400 kN
Max crowd		Spinta max	400 kN
Stroke		Corsa	15000**/12500 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	~ 90 t
* For Soil Mixing applications / Per impiego Soil Mixing		** Piling arrangement / Allestimento pali	

PILING ARRANGEMENT - PDC

ALLESTIMENTO PALI - PDC

CROWD RAM - MARTINETTO PULL-DOWN

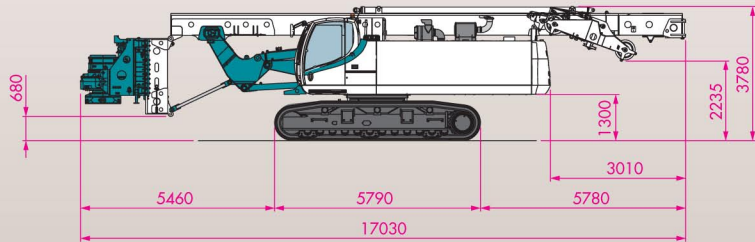


DRILLING DEPTH			PROFONDITÀ DI SCAVO						
Nominal kelly bars length	Larghezza nominale aste		A	7500	9500	11000	12500	14500	19000*
Kelly bars 4 elements	Aste a 4 elementi	m	P	26	34	40	46	54	72
Kelly bars 5 elements	Aste a 5 elementi	m	P	32	42	50	57	67	90
Casing length	Lunghezza tubo	mm	E	3500	3500	3500	2000	—	—
Casing length with oscillator	Lunghezza tubo con morsa	mm	E ₁	4000	4000	3000	—	—	—

* Special arrangement / Allestimento speciale

TRANSPORT DIMENSIONS

DIMENSIONI DI TRASPORTO



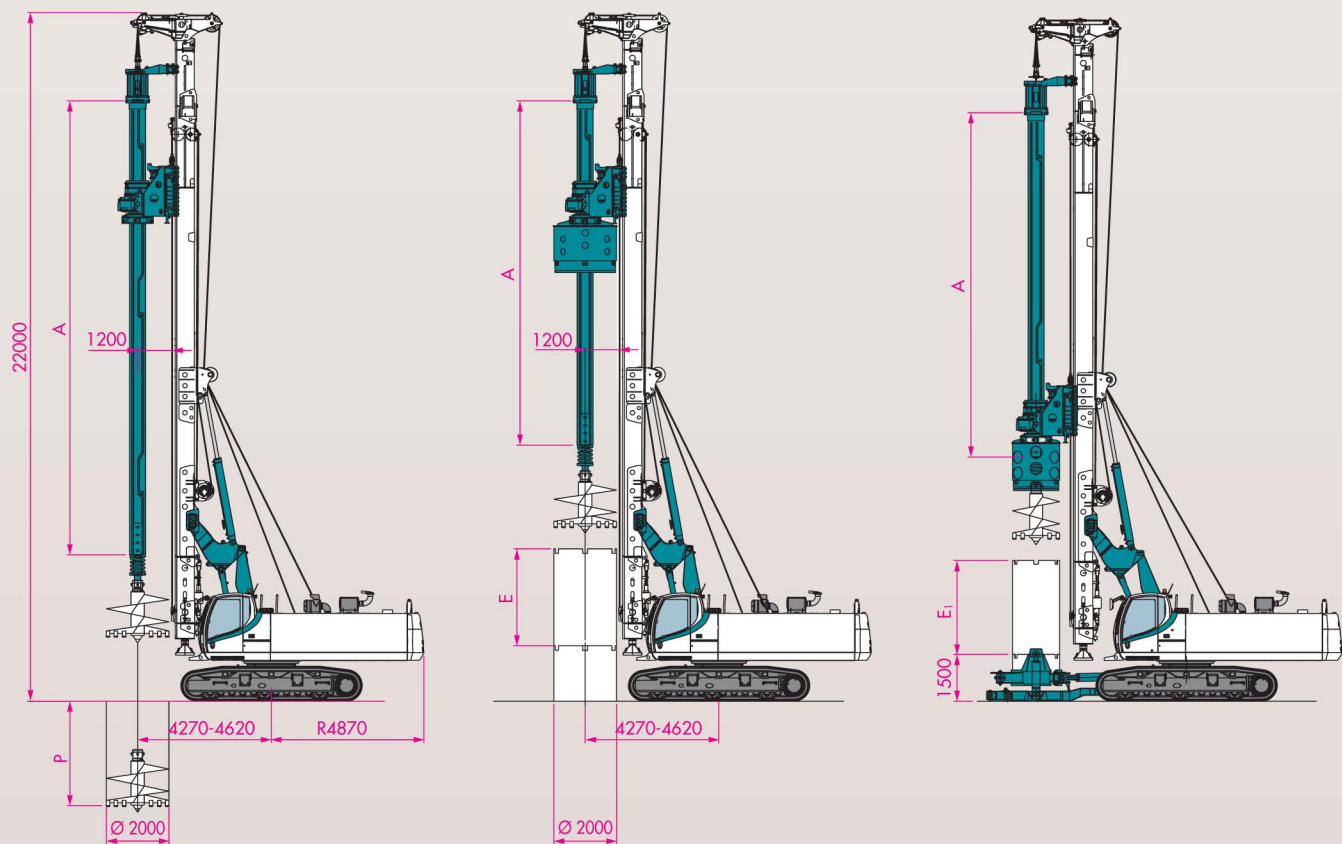
WEIGHT • PESO	~ 81 t
Without counterweight and rotary head Senza zavorra e rotary	~ 64 t

PILING ARRANGEMENT - PDW

ALLESTIMENTO PALI - PDW



CROWD WINCH - ARGANO PULL-DOWN

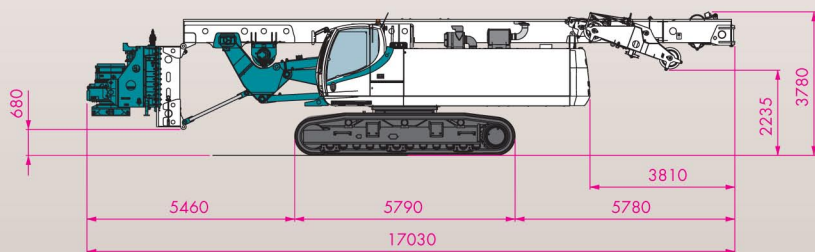


DRILLING DEPTH			PROFONDITÀ DI SCAVO						
Nominal kelly bars length	Larghezza nominale aste		A	7500	9500	11000	12500	14500	16500*
Kelly bars 4 elements	Aste a 4 elementi	m	P	25	33	39	45	53	61
Kelly bars 5 elements	Aste a 5 elementi	m	P	32,4	42,5	50	57	67	77
Casing length	Lunghezza tubo	mm	E	7000	5000	3000	2000	—	—
Casing length with oscillator	Lunghezza tubo con morsa	mm	E ₁	6000	4000	3000	—	—	—

* Special arrangement / Allestimento speciale

TRANSPORT DIMENSIONS

DIMENSIONI DI TRASPORTO

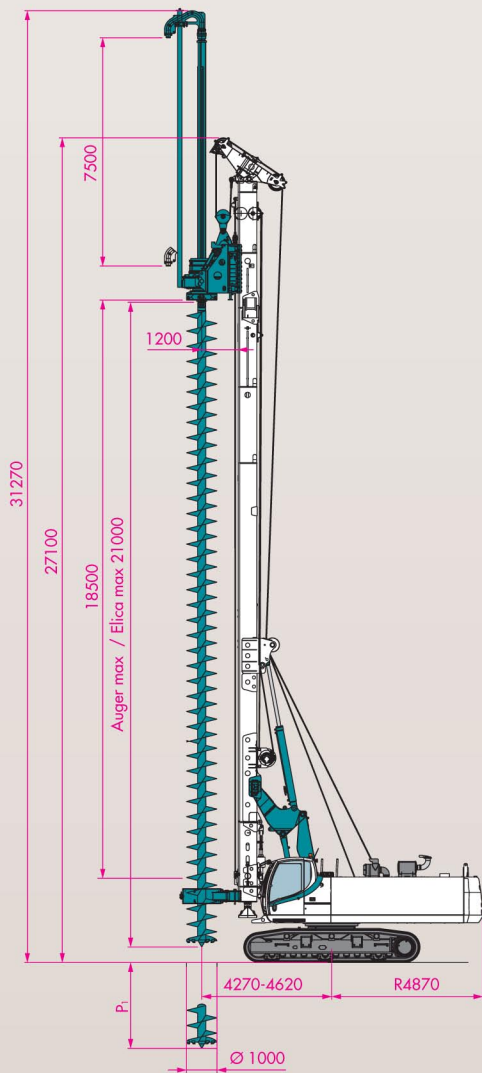
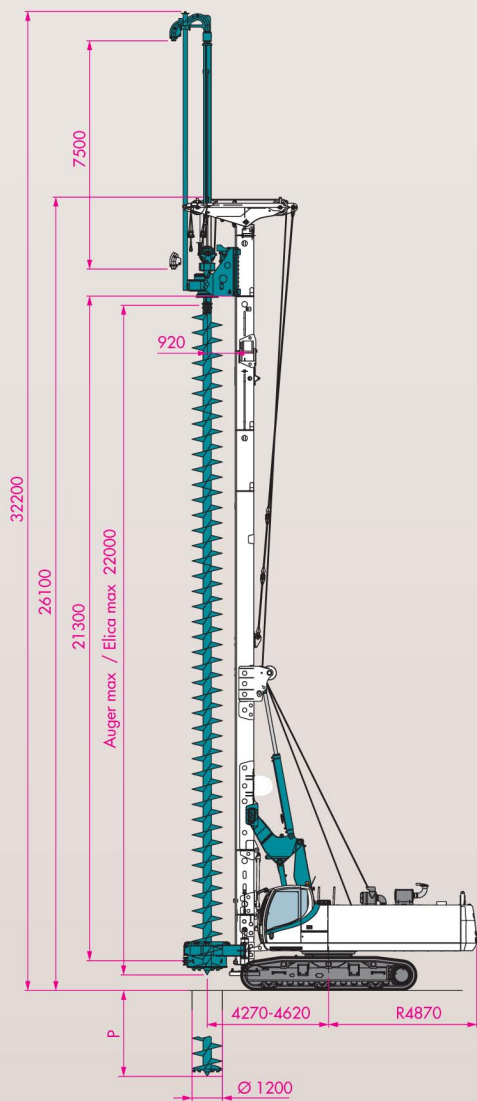


WEIGHT • PESO	~ 83 t
Without counterweight and rotary head Senza zavorra e rotary	~ 66 t

C.F.A. ARRANGEMENT

ALLESTIMENTO C.F.A.

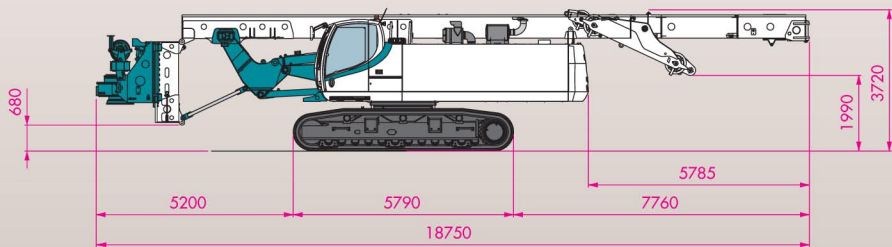
QUICK CFA VERSION - VERSIONE CFA RAPIDO



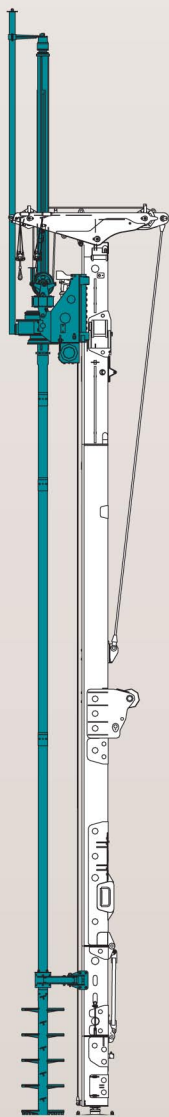
DRILLING DEPTH		PROFONDITÀ DI SCAVO		CFA		QUICK CFA	
Max Diameter	Diametro max	Ø	D	1000	1200		
Max depth with rotating auger cleaner	Profondità max con pulisci elica rotante	m	P	28	P ₁	25	
Max depth with star auger cleaner	Profondità max con pulisci elica stellare	m	P	29	P ₁	26	
Extraction force	Forza di estrazione	kN		910		—	
Extraction / crowd force	Forza di estrazione / spinta	kN		—		600/400	

TRANSPORT DIMENSIONS

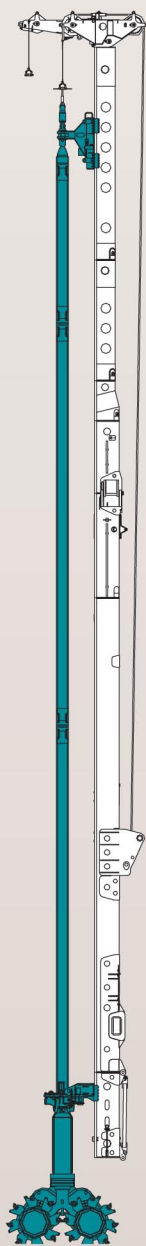
DIMENSIONI DI TRASPORTO



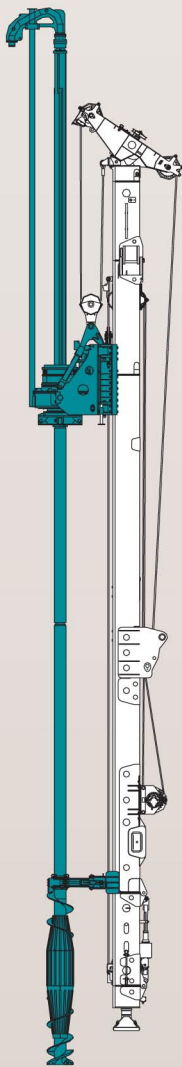
WEIGHT • PESO	~ 82 t
Without counterweight and rotary head Senza zavorra e rotary	~ 64 t



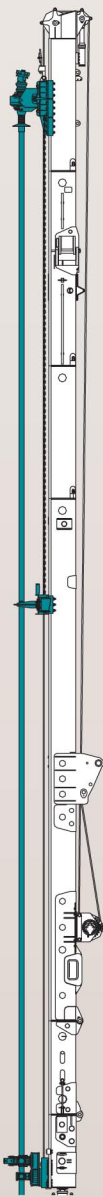
SOIL MIXING
Depth 26 m
Ø 1200 mm



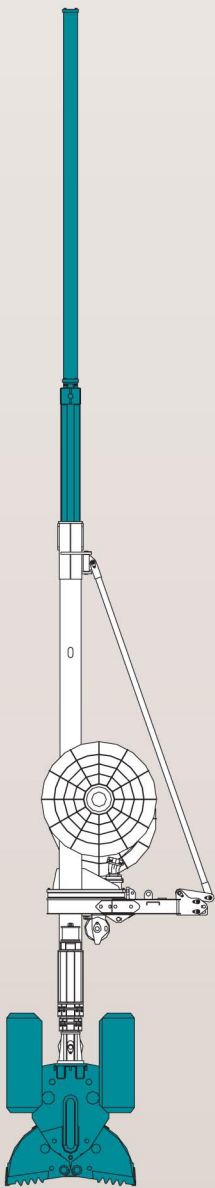
**CSM CUTTER
SOIL MIXING**
Depth 23 m
Trench 1000 x 2800 mm



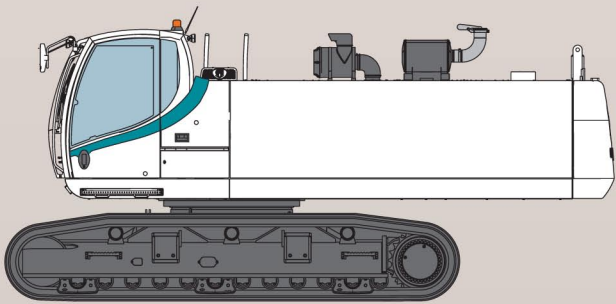
DISPLACEMENT PILE
Depth 32 m
Ø 620 mm



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



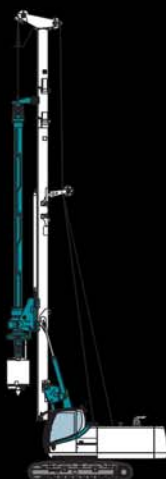
**KRC
DIAPHRAGM WALL**
Depth 46 m
Trench 500 ÷ 1500 mm



CASAGRANDE HYDRAULIC PILING RIGS RANGE



B125XP



B175XP



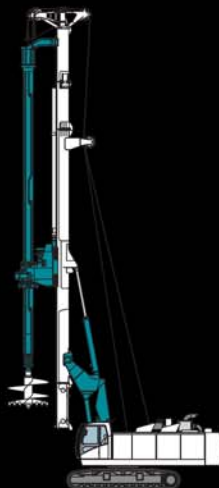
B200XP



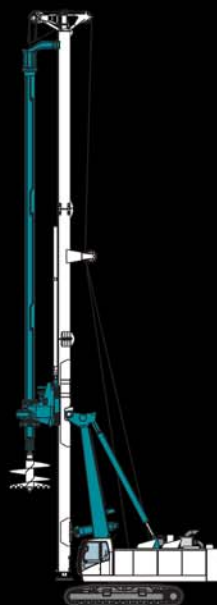
B250XP



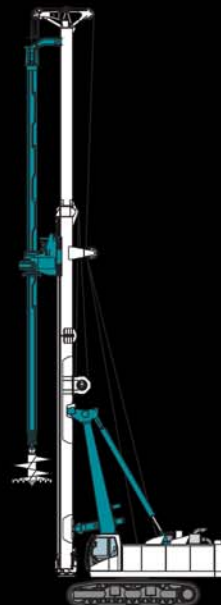
B300XP



B400



C850



C900

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.



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