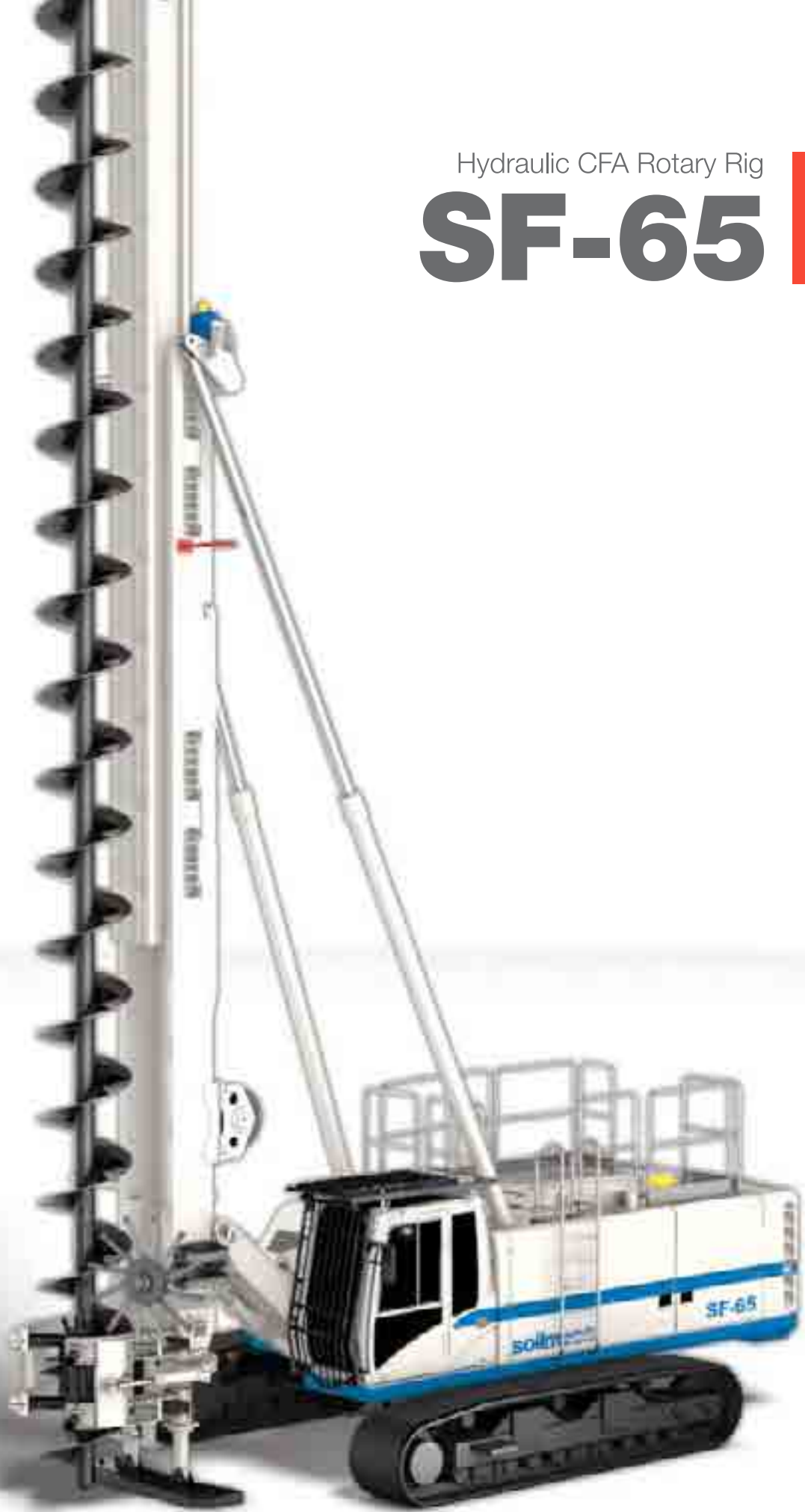


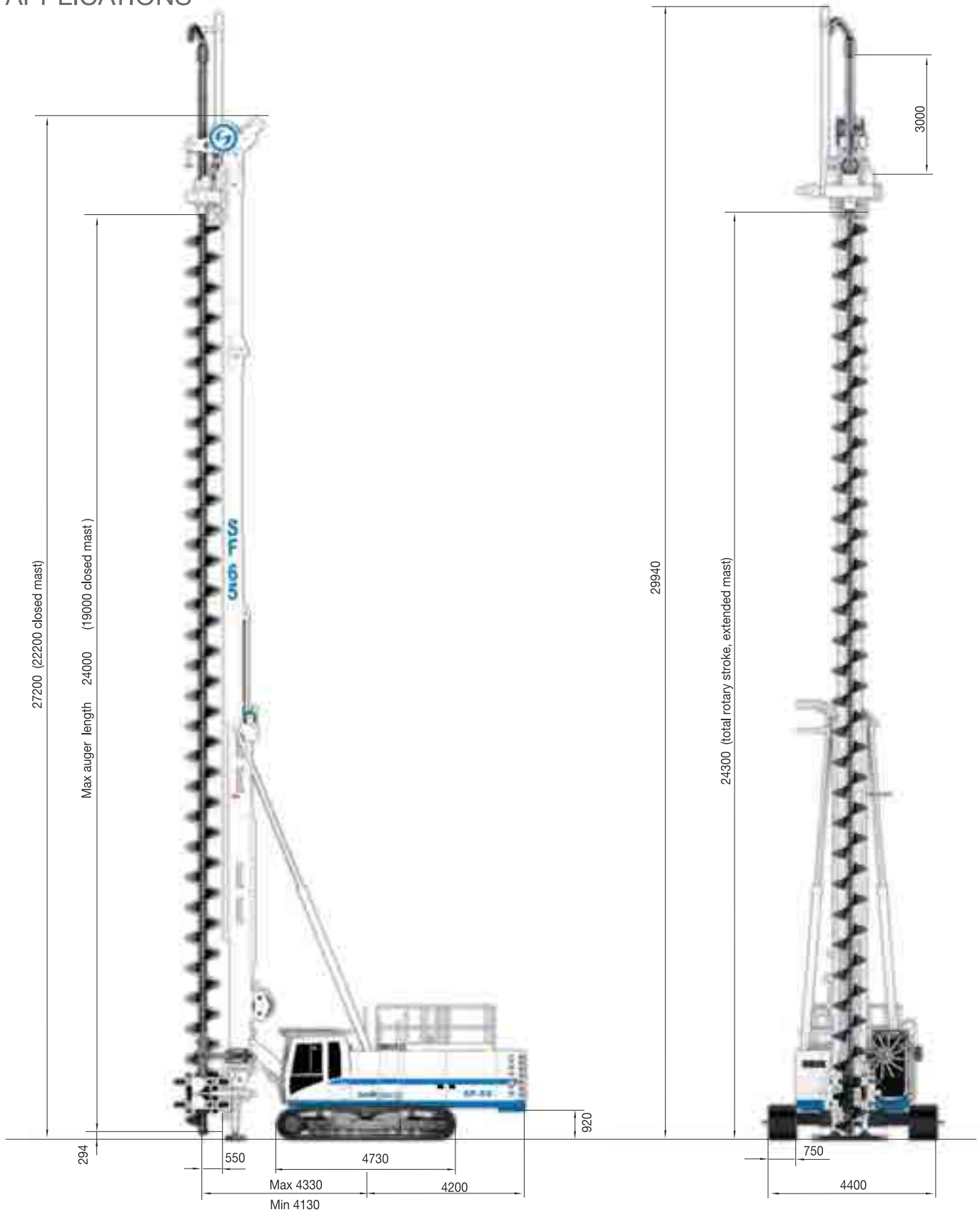
Hydraulic CFA Rotary Rig

SF-65



SF-65 Hydraulic CFA Rotary Rig

APPLICATIONS



CFA - Continuous Flight Auger		
Operating weight w/o auger	49500 kg	109129 lb
Auger cleaner	star type	star type
Max pile diameter	1000 mm	39.4 in
Max pile depth w/o auger extension	24 m	79 ft
Max pile depth with auger extension	27 (24+ 3) m	89 (79+10) ft
Max extraction force	572 kN	128500 lb

SF-65 Hydraulic CFA Rotary Rig

TECHNICAL DATA SHEET

Rotary Drive		
- Max torque (theoretical - restricted - intermittent)	165 kNm	<i>121698 lbf*ft</i>
- Rated torque (theoretical)	151 kNm	<i>110600 lbf*ft</i>
- Speed of rotation	31 rpm	<i>31 rpm</i>
Main winch		
	controlled descent	<i>controlled descent</i>
- Line pull (1st layer)	143 kN	<i>32100 lbf</i>
- Rope diameter	22 mm	<i>0.87 in</i>
- Rope length	46 m / 100 m	<i>151 ft / 328 ft</i>
- Line speed (max.)	68 m/min	<i>223 ft/min</i>
Auxiliary winch		
	controlled descent	<i>controlled descent</i>
- Line pull (1st layer)	65 kN	<i>14600 lbf</i>
- Rope diameter	18 mm	<i>0.71 in</i>
- Line speed (max.)	67 m/min	<i>220 ft/min</i>
Pull down winch		
	optional	<i>optional</i>
- Pull down force	97 kN	<i>21800 lbf</i>
- Rope diameter	16 mm	<i>0.63 in</i>
Engine		
	CAT C7 ACERT	<i>CAT C7 ACERT</i>
- Rated output ISO 3046-I	205 kW @ 1800 rpm	<i>295 HP @ 1800 rpm</i>
- Engine conforms to Exhaust emission Standard	EU stage III / US EPA Tier III and Tier 4i	<i>EU stage III / US EPA Tier III and Tier 4i</i>
- Diesel tank capacity	385 l	<i>102 US gal</i>
- Sound pressure level in cabin (EN791 Annex A)	75 dB (A)	<i>75 dB (A)</i>
- Sound power level (2000/14EG u. EN791, Annex A)	106 dB (A)	<i>106 dB (A)</i>
Hydraulic system		
- Main pump	468 l/min	<i>85 US gal/min</i>
- Working pressure	32 MPa	<i>4641 psi</i>
Undercarriage (retractable crawler frames)		
- Track shoes width	750 mm	<i>30 in</i>
- Overall width of crawlers retracted	2980 mm	<i>117 in</i>
- Overall width of crawlers extended	4440 mm	<i>175 in</i>
- Overall length of crawlers	4730 mm	<i>186 in</i>
- Traction force	294 kN	<i>66094 lbf</i>
- Travel speed	1,9 km/h	<i>1.2 mph</i>

* Soilmec integrates high quality level components: Berco, Rexroth, Trasmital.

STANDARD EQUIPMENT

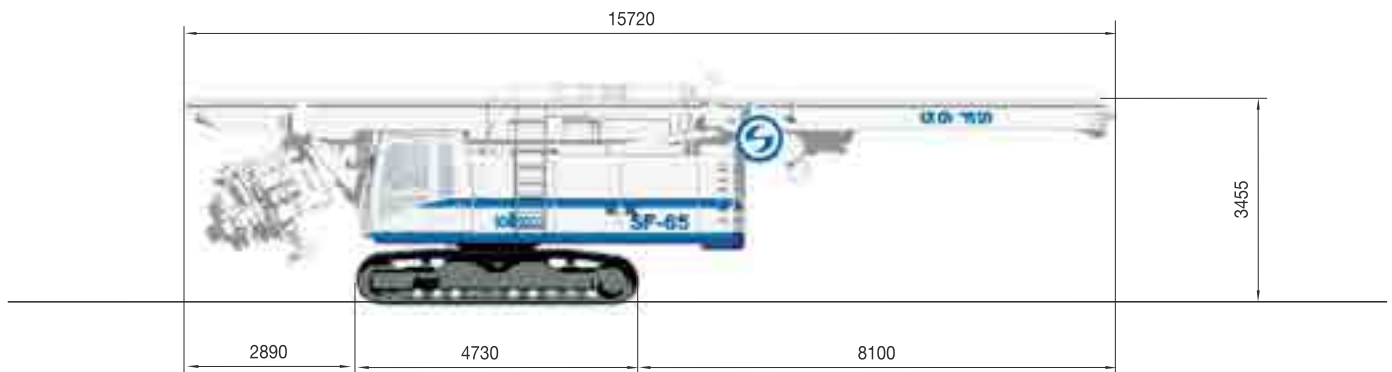
- Emergency mode of operation for engine
- Engine diagnostic system
- Diagnostic panel for hydraulic functions
- Transport securing lugs on crawler units
- Access ladder on upper carriage
- On-board lighting set
- On-board tool set
- Electric refuelling pump
- 360° turret rotations
- Concrete pipe alongside the mast foot
- High-comfort operator's H-CAB (width: 1050 mm)
- Protective roof grate (FOPS compliant)
- Air conditioning system
- Radio and CD player

OPTIONAL EQUIPMENT

- | | | |
|---|--|---|
| BASE CARRIER <ul style="list-style-type: none"> • Central lubrication system • Biodegradable oil | <ul style="list-style-type: none"> • Pressurized air conditioning system • Turret area guard | DRILLING EQUIPMENT <ul style="list-style-type: none"> • Swivel for auxiliary rope • Videocamera attachment |
|---|--|---|

SF-65 Hydraulic CFA Rotary Rig

TRANSPORT, DIMENSIONS AND WEIGHTS



Transport configuration		
Width	2980 mm	117.3 in
Length	15720 mm	619 in
Weight	49000 kg	108000 lb
Minimum transport weight (w/o counterweight, rotary)	36500 kg	80469 lb

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