

Hydraulic CFA Rotary Rig

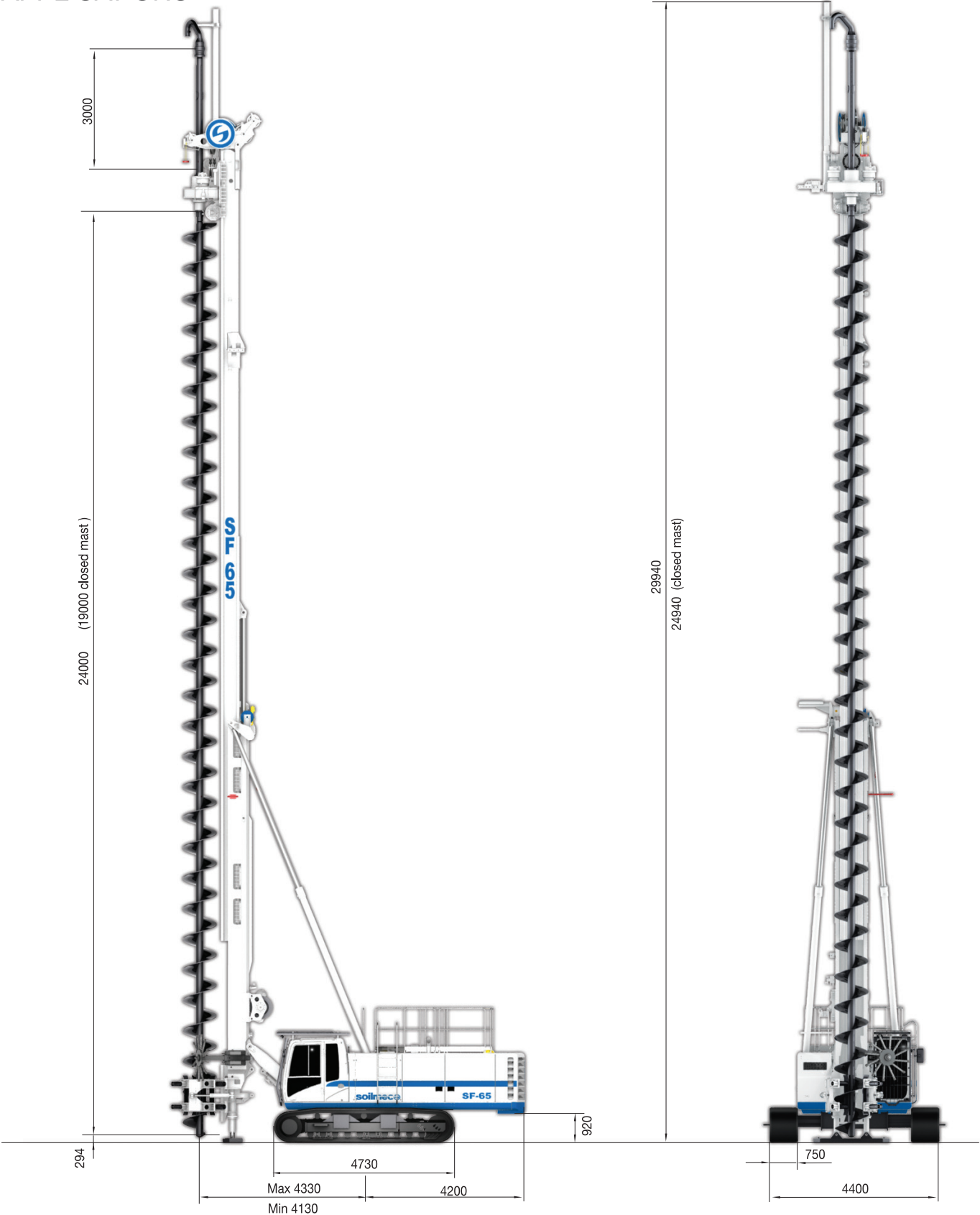
SF-65



soilmec®
Drilling and Foundation Equipment

SF-65 Hydraulic CFA Rotary Rig

APPLICATIONS



CFA - Continuous Flight Auger		
Operating weight w/o auger	51500 kg	113538 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 6 m auger extension	30 m	98 ft
Max extraction force	572 kN	128500 lb

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TECHNICAL DATA SHEET

Rotary Drive		
- Max torque (intermittent)	165 kNm	121698 lbf*ft
- Rated torque	151 kNm	110600 lbf*ft
- Speed of rotation	31 rpm	31 rpm
Main winch	controlled descent	controlled descent
- Line pull (1st layer)	143 kN	32100 lbf
- Rope diameter	22 mm	0.87 in
- Line speed (max.)	68 m/min	223 ft/min
Auxiliary winch	controlled descent	controlled descent
- Line pull (1st layer)	65 kN	14600 lbf
- Rope diameter	18 mm	0.71 in
- Line speed (max.)	67 m/min	220 ft/min
Pull down winch	optional	optional
- Pull down force	97 kN	21800 lbf
- Rope diameter	16 mm	0.63 in
Engine	CUMMINS B6.7	CUMMINS B6.7
- Rated output ISO 3046-I	209 kW @ 2000 rpm	280 HP @ 2000 rpm
- Engine conforms to Exhaust emission Standard	EU stage V / US EPA Tier 4f	EU stage V / US EPA Tier 4f
- Diesel tank capacity	385 l	102 US gal
Hydraulic system		
- Main pump	520 l/min	137 US gal/min
- Auxiliary pump flow	150 l/min	40 gal/min
- Hydraulic oil tank capacity	895 l	236 US gal
Undercarriage (retractable crawler frames)		
- Track shoes width	750 mm	30 in
- Overall width of crawlers retracted	2980 mm	117 in
- Overall width of crawlers extended	4440 mm	175 in
- Overall length of crawlers	4730 mm	186 in
- Traction force	294 kN	66094 lbf
- Travel speed	1,4 km/h	0.9 mph

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

STANDARD EQUIPMENT

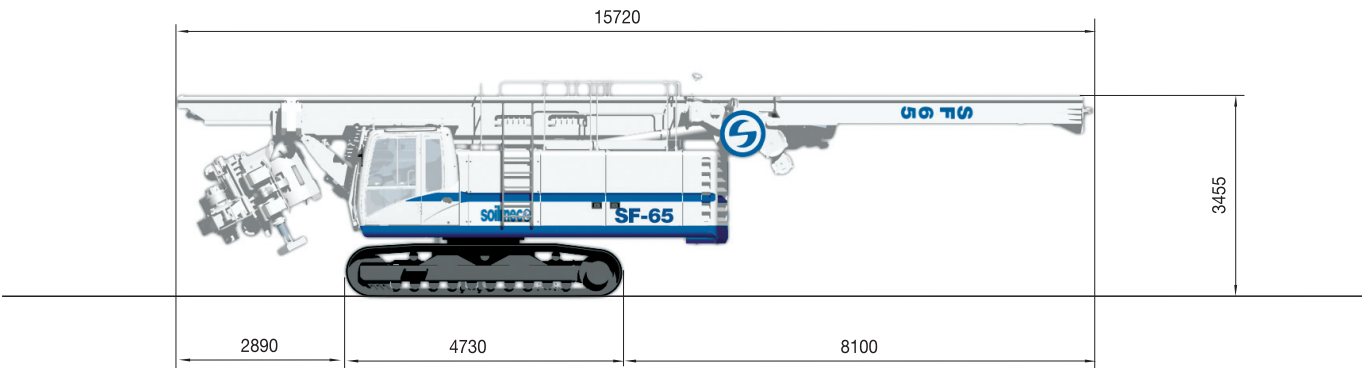
- Emergency mode of operation for engine - Engine diagnostic system - Diagnostic panel for hydraulic functions - Transport securing lugs on crawler units - Access ladder on upper carriage - Hydraulic openable	- Lower guide - On-board lighting set - On-board tool set - Electric refuelling pump 360° turret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

BASE CARRIER - Central lubrication system - Biodegradable oil - Handrails for upper structure	- Radio control for tramming - Pressurized air conditioning system - Turret area guard - EU stage IIIA, US EPA Tier 3 diesel engine	DRILLING EQUIPMENT - Swivel for auxiliary rope - Videocamera attachment
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TRANSPORT, DIMENSIONS AND WEIGHTS



Transport configuration		
Width	2980 mm	117.3 in
Length	15720 mm	619 in
Weight	50000 kg	110231 lb
Minimum transport weight (w/o counterweight, rotary)	36500 kg	80469 lb

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