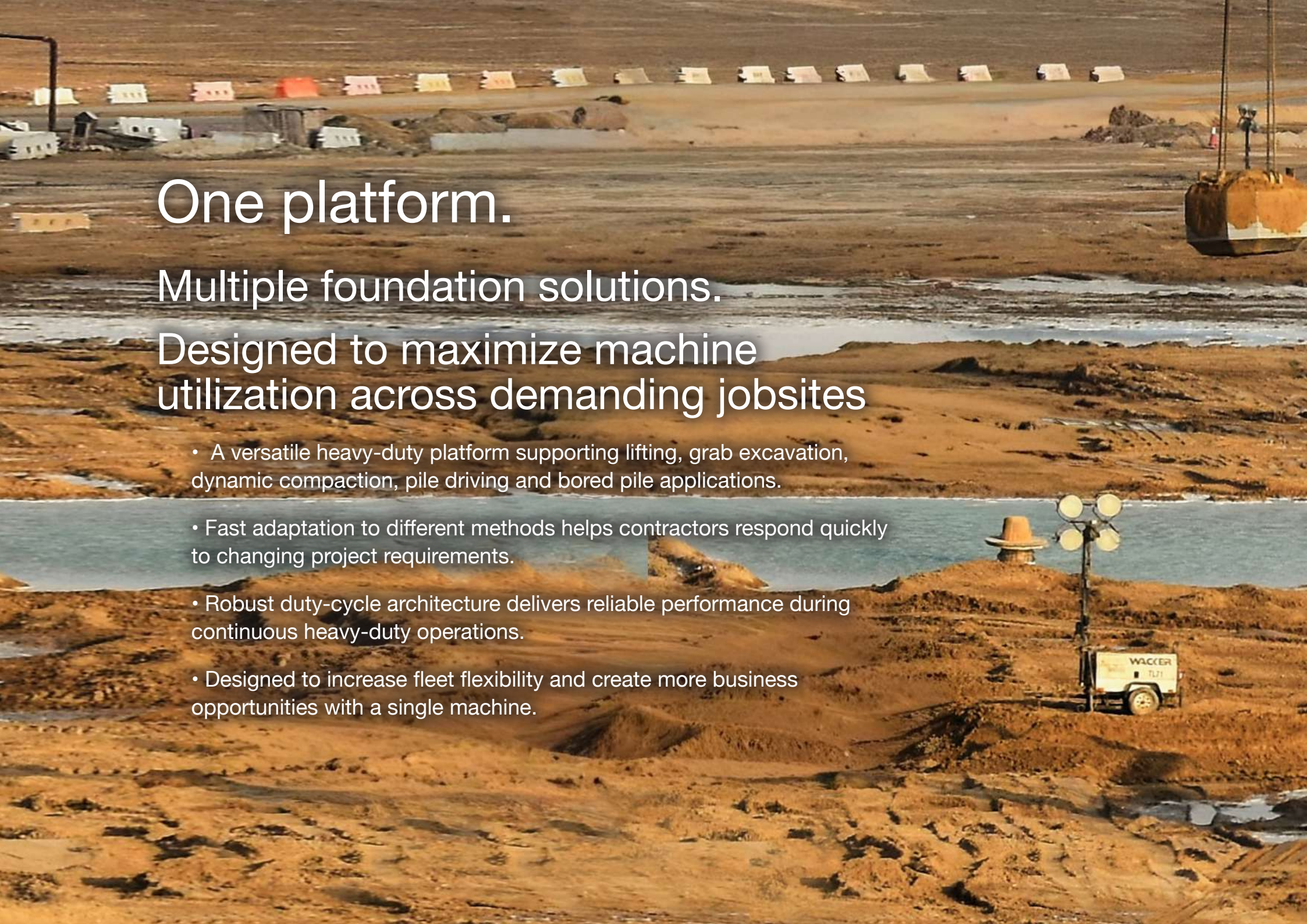




SC-130HD

Heavy Duty Crawler Crane

soilmec®



One platform.

Multiple foundation solutions.

Designed to maximize machine utilization across demanding jobsites

- A versatile heavy-duty platform supporting lifting, grab excavation, dynamic compaction, pile driving and bored pile applications.
- Fast adaptation to different methods helps contractors respond quickly to changing project requirements.
- Robust duty-cycle architecture delivers reliable performance during continuous heavy-duty operations.
- Designed to increase fleet flexibility and create more business opportunities with a single machine.

A large blue and white Soilmec SC-50214 crawler crane is positioned on a muddy construction site. The crane's lattice boom is extended upwards and to the left. In the background, there is a body of water and some industrial structures. The text "One machine. More applications. More opportunities. More value." is overlaid on the right side of the image.

One machine.
More applications.
More opportunities.
More value.



Built for demanding jobs.

Engineered to adapt.

- High handling capabilities and dedicated duty-cycle design ensure confidence in dynamic foundation operations.
- Modular configuration allows the machine to support a broad range of specialized equipment and working methods.
- Easy transport, assembly and maintenance help maximize machine availability on site.
- Developed from Soilmec's experience in foundation equipment and heavy-duty applications.



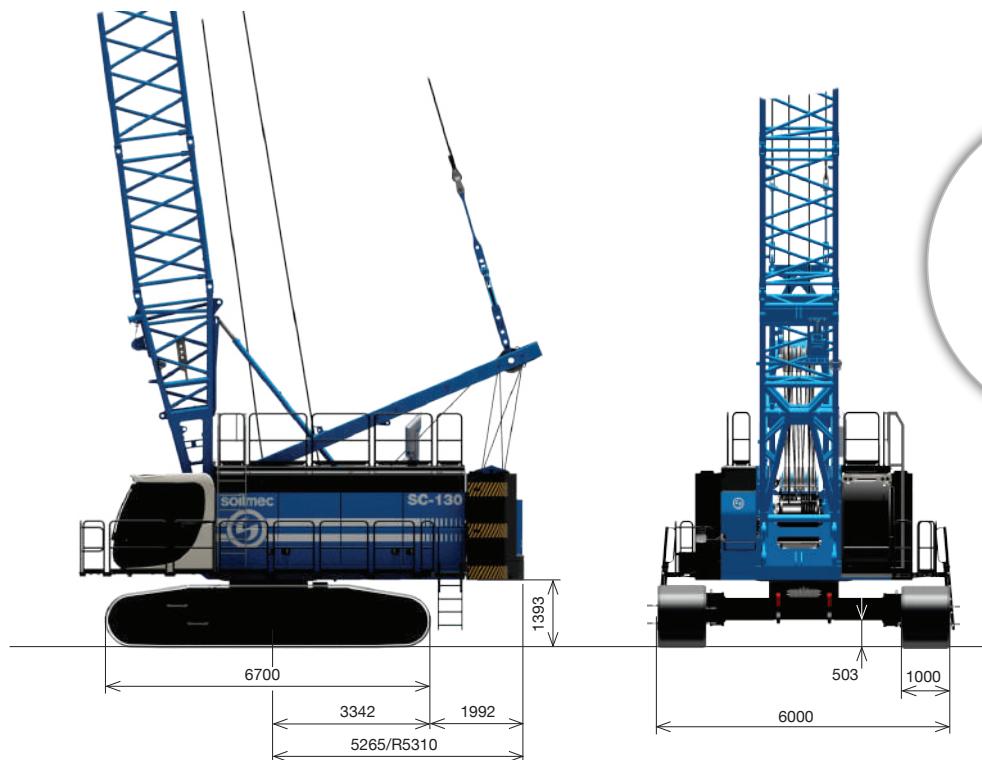
More utilization.

More flexibility.

More productivity.

- Real-time monitoring through the Soilmec DMS control system.
- Accurate control of machine parameters and operational performance.
- Optimized for lifting, grab excavation, dynamic compaction, pile driving and bored piling projects.
- A dedicated foundation platform designed to keep working, project after project.

SC-130 HD



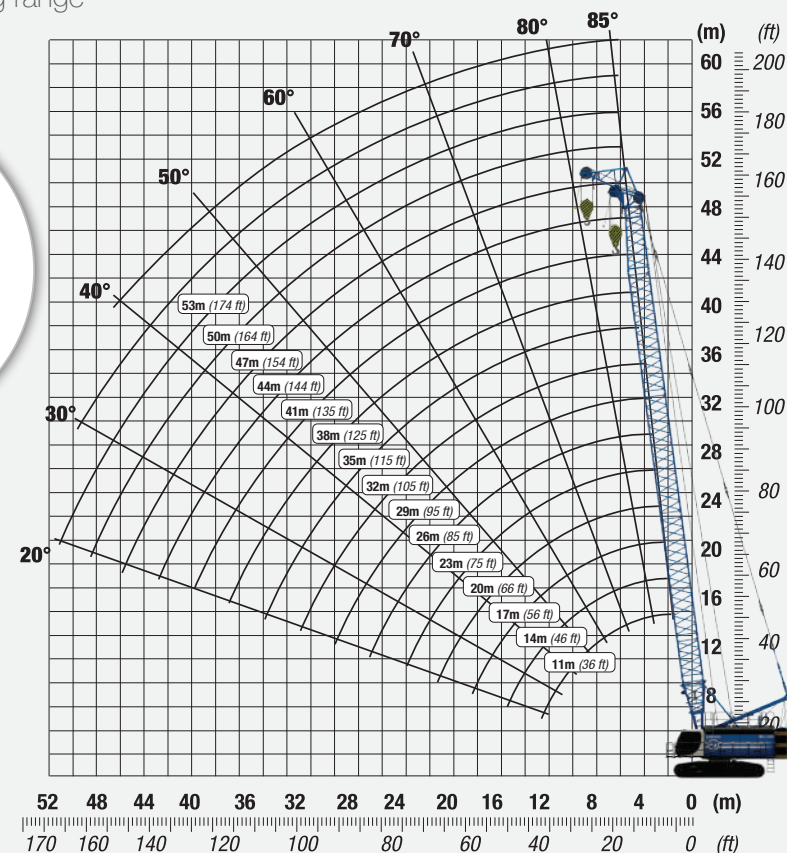
SC-130 HD

Operating weight	130000 kg	286600 lb
Max capacity in lifting operation	130000 kg	286600 lb

Boom configuration - Number of boom extension

	Length (m)	11	14	17	21	24	26	29	32	35	38	41	44	47	50	53
Boom foot	5	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Boom insert	3		1								1		1			1
Boom insert	6			1		2	1		2	1	1	2	2	3	2	2
Boom insert	9				1		1	2	1	2	2	2	2	2	3	3
Boom head	6	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
	Length (ft)	36	46	56	69	79	85	95	105	115	125	135	144	154	164	174
Boom foot	16	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Boom insert	10		1								1		1			1
Boom insert	20			1		2	1		2	1	1	2	2	3	2	2
Boom insert	30				1		1	2	1	2	2	2	2	2	3	3
Boom head	20	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1

Working range



Auxiliary jib

Standard

Max capacity	30 t	33 US ton	Load chart programmed in Load moment indicator
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Boom configuration

- Rated loads are in metric tons valid for 360 degrees working area.
- Lifting capacities are in compliance with ISO 4305 (Table 1+2) + tipping angle 4° for dynamic effect.
- Working radius are measured from the swing center of the machine and under load.
- Rated loads are calculated with the machine on firm and level ground, without travelling.
- Weights of lifting attachments (e.g.: hook, ropes, bucket, etc.) are included in the rated load: therefore their weights must be subtracted from rated load to obtain net lifting value.
- Load charts are valid with maximum undercarriage track.
- Optional equipment on boom (e.f. boom catwalks; jib; etc.) must be deducted from rated load to get net lifting value.
- Lifting capacities are based on freely suspended loads. Rated loads and operating speeds must be reduced in case of adverse conditions (e.g.: wind, soft ground, out-of-level, pendulum action, sudden load stopping, operating speeds, etc.).
- Load chart above are only for reference. For actual lifting capacities please refer to load chart in operator's manual.
- Instruction in the "Operator's Manual" must be strictly observed during machine operations.

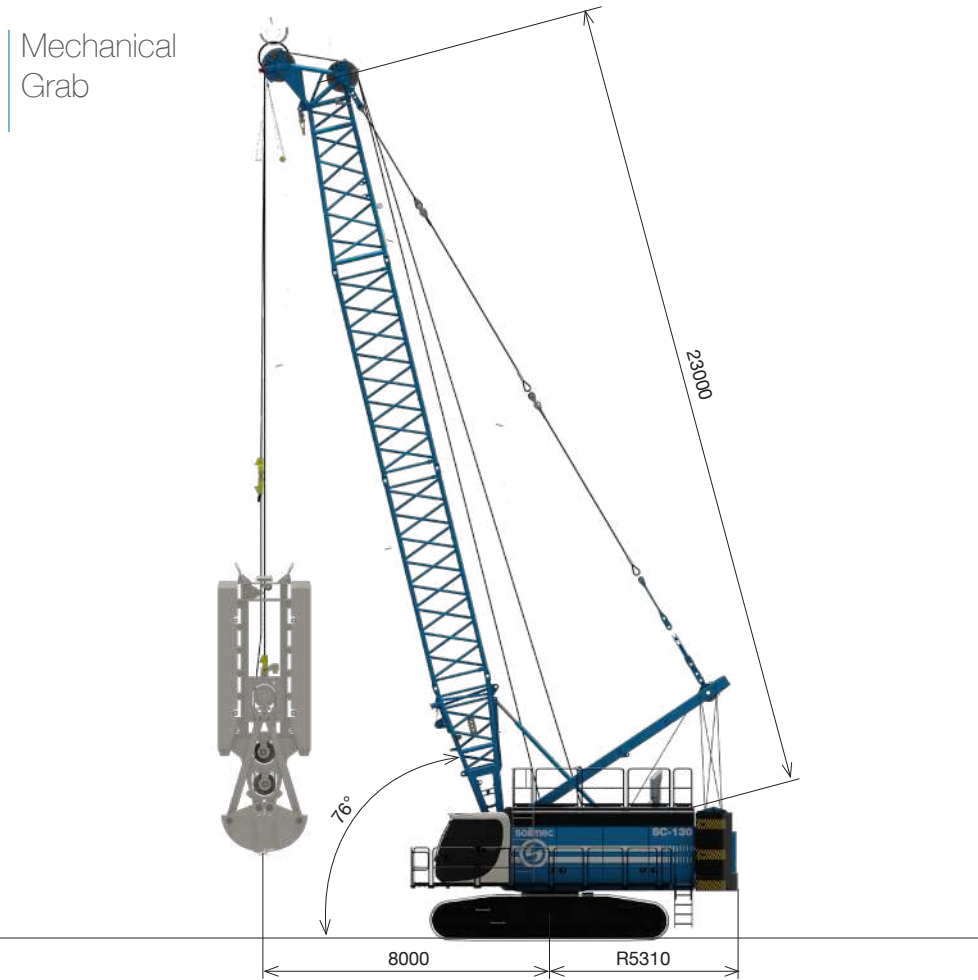
Radius (m)	SC-130 HD Load Chart (t) - for lifting operation - c/w 35,8 t countweight															Radius (m)
	Boom length															
	11	14	17	20	23	26	29	32	35	38	41	44	47	50	53	
3,5	130,0															3,5
4	117,8	117,4	117,4													4
5	95,3	95,0	94,9	94,7	89,1	83,4										5
6	79,8	79,7	79,5	77,7	73,3	69,1	65,3	61,7	58,5							6
7	68,6	68,2	68,3	65,3	61,9	58,6	55,8	53,1	50,4	48,0	47,3	45,2				7
8	59,8	59,8	58,9	56,1	53,4	50,8	48,4	46,0	44,2	42,2	41,5	39,9	38,2	36,7	35,2	8
9	52,8	52,8	51,0	48,7	46,9	44,8	42,7	41,0	39,0	37,2	37,1	35,6	34,2	32,8	31,5	9
10	47,4	47,2	45,1	43,5	41,4	40,0	38,2	36,6	35,1	33,5	33,2	32,0	30,7	29,5	28,0	10
11	42,6	42,2	40,5	38,9	37,2	35,9	34,3	32,9	31,5	30,4	30,1	29,0	27,9	26,8	25,6	11
12		37,9	36,7	35,3	33,8	32,6	31,3	30,0	28,8	27,7	27,4	26,4	25,4	24,4	23,4	12
13		34,7	33,4	32,1	30,9	29,6	28,6	27,4	26,3	25,3	25,0	24,1	23,2	22,3	21,4	13
14		31,1	30,5	29,4	28,3	27,1	26,1	25,0	24,1	23,1	22,9	22,0	21,2	20,4	19,6	14
16			26,0	25,2	24,1	23,3	22,4	21,5	20,7	19,7	19,5	18,8	18,0	17,3	16,7	16
18				21,7	20,7	20,0	19,3	18,5	17,8	16,9	16,7	16,1	15,5	14,9	14,3	18
20				18,6	18,4	17,7	17,0	16,3	15,6	14,9	14,7	14,1	13,1	12,6	12,1	20
22					15,8	15,7	15,0	14,4	13,8	13,1	12,9	11,9	11,7	11,2	10,7	22
24						13,8	13,4	12,7	12,2	11,6	11,3	10,8	10,3	9,8	9,0	24
26						11,7	11,9	11,3	10,8	10,3	10,0	9,5	9,0	8,3	8,0	26
28							10,5	10,3	9,7	9,2	8,8	8,4	7,9	7,4	7,0	28
30								9,0	8,7	8,2	7,9	7,4	7,0	6,5	5,7	30
32									7,9	7,7	7,4	7,0	6,6	6,2	5,7	32
34										6,8	6,5	6,2	5,8	5,4	4,6	34
36											5,7	5,5	5,1	4,7	4,2	36
38											4,7	4,4	4,5	3,8	3,7	38
40												4,0	3,6	3,4	3,0	40
42													3,2	2,9	2,6	42
44														2,6	2,4	44

Radius (ft)	SC-130 HD Load Chart (1000 lbs) - for lifting operation - c/w 78925 lbs countweight															Radius (ft)
	Boom length															
	36	46	56	66	75	85	95	105	115	125	135	144	154	164	174	
11,5	286,6															11,5
13	259,8	258,9	258,8													13
16	210,0	209,3	209,2	208,8	196,5	183,9										16
20	176,0	175,8	175,3	171,4	161,6	152,4	143,9	136,0	129,0							20
23	151,3	150,4	150,7	143,9	136,5	129,2	123,1	117,0	111,1	105,8	104,2	99,7				23
26	131,8	131,7	129,8	123,7	117,8	112,0	106,7	101,5	97,5	93,0	91,6	88,0	84,2	80,9	77,5	26
30	116,3	116,3	112,5	107,3	103,3	98,9	94,2	90,5	86,0	82,1	81,7	78,5	75,4	72,4	69,4	30
33	104,5	104,0	99,4	96,0	91,2	88,1	84,3	80,8	77,3	73,8	73,1	70,5	67,7	65,0	61,8	33
36	93,9	93,1	89,3	85,9	81,9	79,2	75,7	72,6	69,4	67,0	66,4	63,9	61,4	59,0	56,5	36
39		83,6	80,9	77,8	74,6	71,8	68,9	66,0	63,5	61,0	60,3	58,2	55,9	53,7	51,6	39
43		76,4	73,7	70,9	68,2	65,4	63,0	60,4	58,0	55,7	55,1	53,2	51,1	49,1	47,2	43
46		68,7	67,3	64,8	62,3	59,7	57,6	55,2	53,0	50,9	50,4	48,6	46,7	44,9	43,1	46
52			57,3	55,7	53,1	51,3	49,5	47,4	45,6	43,4	42,9	41,4	39,8	38,2	36,7	52
59				47,8	45,6	44,1	42,5	40,8	39,2	37,3	36,9	35,6	34,2	32,9	31,6	59
66				41,1	40,6	39,0	37,5	36,0	34,4	32,9	32,4	31,1	28,8	27,7	26,6	66
72					34,9	34,7	33,1	31,8	30,4	28,9	28,4	26,3	25,7	24,7	23,5	72
79						30,5	29,5	28,0	26,8	25,5	25,0	23,8	22,7	21,6	19,8	79
85						25,7	26,3	25,0	23,9	22,7	22,1	21,0	19,9	18,2	17,7	85
92							23,1	22,6	21,3	20,3	19,5	18,6	17,5	16,2	15,5	92
98							19,8	19,3	18,0	17,3	16,4	15,5	14,3	12,6		98
105								17,4	17,0	16,3	15,4	14,5	13,6	12,6	11,4	105
112									14,9	14,4	13,8	12,8	11,9	10,2	10,0	112
118										12,6	12,0	11,3	10,4	9,3	8,1	118
125										10,3	9,8	9,9	8,5	8,1	7,1	125
131											8,9	8,0	7,4	6,6	5,8	131
138												7,0	6,5	5,8	4,7	138
144												5,7	5,3	4,7	3,8	144

Radius (m)	SC-130 HD Load Chart (t) - for lifting operation - c/w 42 t countweight															Radius (m)		
	Boom length																	
	11	14	17	20	23	26	29	32	35	38	41	44	47	50	53			
3,5																3,5		
4																4		
5					93,7	87,5										5		
6	83,1	82,9	82,6	82,6	79,9	75,3	71,3	67,6	64,0							6		
7	71,1	70,9	71,1	70,6	67,6	64,2	61,0	58,2	55,3	52,6	51,8	49,5				7		
8	62,4	62,2	61,9	61,3	58,3	55,8	52,9	50,4	48,5	46,4	45,5	43,7	41,9	40,4	38,7	8		
9	55,1	54,9	54,7	53,7	51,3	49,0	46,7	45,0	42,8	41,0	40,7	39,1	37,6	36,1	34,8	9		
10	49,3	49,3	49,1	47,4	45,7	43,8	42,0	40,3	38,5	36,8	36,6	35,1	33,8	32,4	31,3	10		
11	44,2	44,3	44,5	42,6	41,0	39,4	37,7	36,2	34,9	33,5	33,2	32,0	30,8	29,7	28,6	11		
12		40,5	40,0	38,7	37,2	35,8	34,5	33,1	31,8	30,5	30,2	29,1	28,1	27,1	26,1	12		
13		37,0	36,6	35,3	33,9	32,7	31,5	30,2	29,1	27,9	27,6	26,6	25,7	24,8	23,9	13		
14		34,2	33,7	32,2	31,2	29,9	28,8	27,9	26,8	25,7	25,5	24,5	23,7	22,8	22,0	14		
16			28,6	27,8	26,6	25,7	24,8	23,7	22,8	22,1	21,7	21,1	20,2	19,5	18,7	16		
18				23,9	23,3	22,1	21,3	20,8	20,0	19,0	18,6	18,1	17,3	16,7	16,1	18		
20				20,5	20,5	19,7	18,9	18,2	17,5	16,7	16,4	15,9	15,3	14,7	13,8	20		
22					17,6	17,5	16,9	16,1	15,5	14,8	14,5	14,0	13,4	12,8	12,2	22		
24						15,5	15,0	14,3	13,8	13,2	12,8	12,3	11,8	11,3	10,7	24		
26						13,6	13,4	12,8	12,3	11,7	11,4	10,9	10,4	9,9	9,4	26		
28							11,8	11,6	11,1	10,4	10,2	9,7	9,3	8,8	8,3	28		
30									10,3	10,1	9,5	9,1	8,6	8,2	7,7	30		
32									9,1	8,9	8,6	8,2	7,7	7,3	6,8	32		
34										7,9	7,6	7,3	6,9	6,5	6,0	34		
36											6,7	6,5	6,2	5,8	5,3	36		
38											6,0	5,7	5,5	5,1	4,7	38		
40												4,6	4,4	4,5	4,1	3,7	40	
42													4,0	3,7	3,3	3,0	42	
44														3,3	3,2	2,9	2,6	44

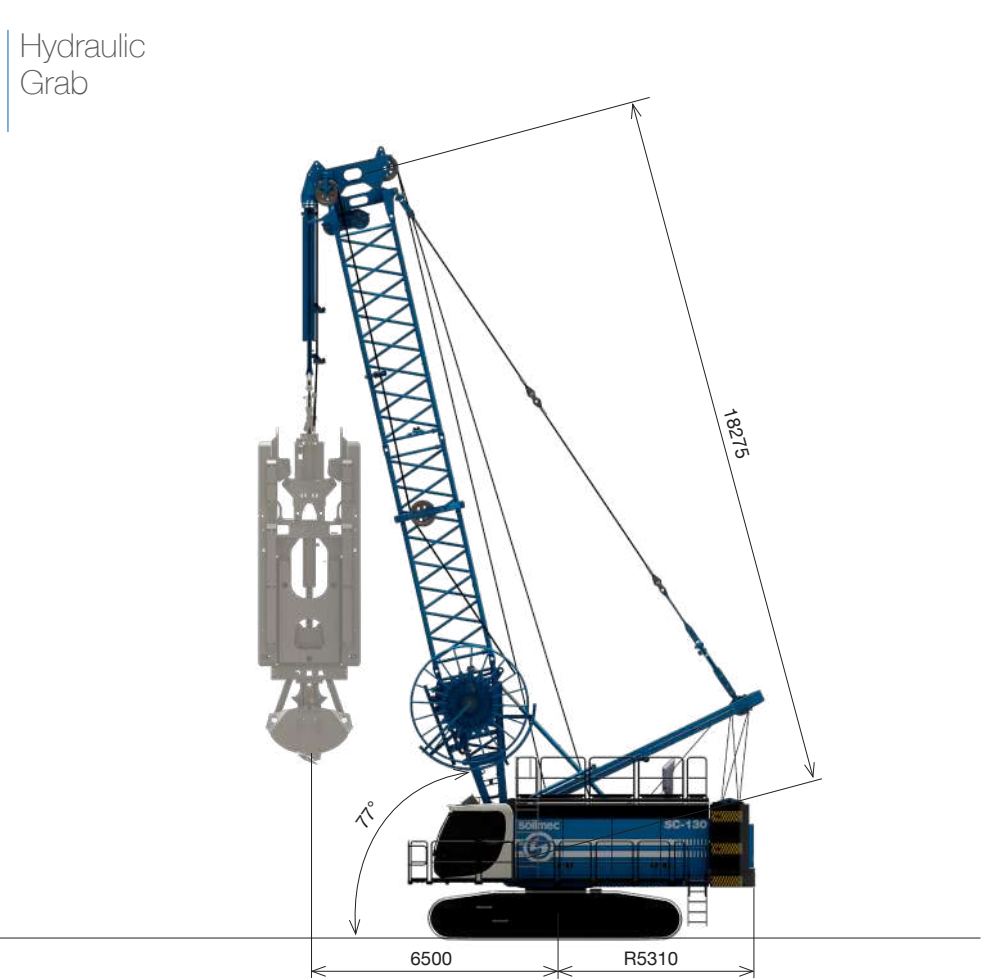
Radius (ft)	SC-130 HD Load Chart (1000 lbs) - for lifting operation - c/w 92594 lbs countweight															Radius (m)	
	Boom length																
	36	46	56	66	75	85	95	105	115	125	135	144	154	164	174		
11,5																11,5	
13																13	
16					206,6	192,8										16	
20	183,3	182,8	182,1	182,0	176,1	166,1	157,3	149,0	141,2							20	
23	156,8	156,4	156,7	155,7	148,9	141,6	134,6	128,2	121,9	115,9	114,2	109,2				23	
26	137,5	137,2	136,5	135,1	128,6	122,9	116,7	111,2	106,9	102,3	100,4	96,4	92,4	89,0	85,4	26	
30	121,4	121,1	120,5	118,3	113,0	108,0	103,0	99,3	94,4	90,3	89,8	86,2	83,0	79,6	76,7	30	
33	108,6	108,8	108,3	104,4	100,7	96,7	92,6	88,8	84,8	81,1	80,7	77,4	74,6	71,5	68,9	33	
36	97,6	97,7	98,1	93,8	90,5	86,8	83,2	79,8	77,0	73,8	73,2	70,5	67,9	65,4	63,0	36	
39		89,3	88,2	85,4	82,1	78,9	76,0	72,9	70,1	67,2	66,6	64,2	62,0	59,8	57,6	39	
43		81,7	80,6	77,7	74,7	72,1	69,5	66,6	64,1	61,4	60,9	58,6	56,7	54,6	52,6	43	
46		75,4	74,3	71,0	68,9	65,9	63,5	61,4	59,1	56,6	56,1	54,1	52,3	50,4	48,5	46	
52			63,0	61,3	58,7	56,6	54,6	52,3	50,3	48,7	47,8	46,5	44,5	42,9	41,3	52	
59				52,7	51,4	48,7	46,9	45,8	44,1	41,8	41,1	39,9	38,2	36,9	35,5	59	
66				45,3	45,1	43,3	41,8	40,2	38,6	36,9	36,3	35,1	33,8	32,3	30,5	66	
72					38,8	38,6	37,2	35,5	34,1	32,6	32,0	30,8	29,6	28,3	26,9	72	
79						34,1	33,1	31,6	30,4	29,0	28,3	27,2	26,0	24,9	23,7	79	
85							30,0	29,5	28,1	27,1	25,9	25,2	24,0	23,0	21,9	85	
92								26,1	25,5	24,5	23,0	22,4	21,4	20,5	19,3	92	
98									22,7	22,2	20,9	20,0	19,1	18,1	17,0	98	
105									20,1	19,6	18,9	18,1	17,0	16,1	15,0	105	
112										17,3	16,8	16,1	15,1	14,3	13,3	112	
118											14,9	14,4	13,7	12,8	11,7	118	
125											13,1	12,6	12,0	11,3	10,3	125	
131												10,2	9,8	9,9	9,0	131	
138													8,9	8,1	7,3	138	
144														7,2	7,1	6,4	144

Configurations



DW Mechanical grab		
Max grab weight	35000 kg	77162 lb
GC-16 weight	16000 - 22000 kg	35274 - 48502 lb
GC-16 excav. dimension	800/1200 x 2800/3500 mm	31.5/47 x 110/138 in

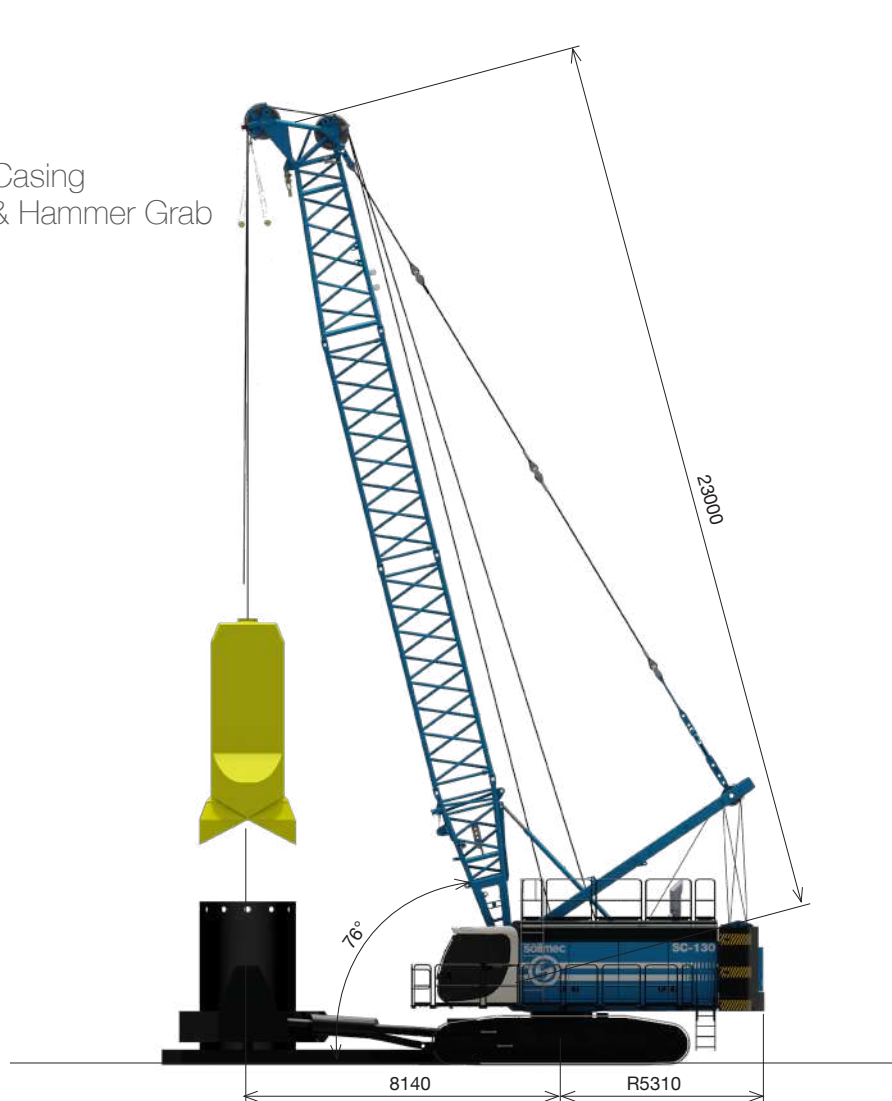
Please refer to load chart for duty cycle operation



DW Hydraulic grab		
Max grab weight - 1 rope	35000 kg	77162 lb
Max grab weight - 2 rope	53000 kg	116845 lb
GH-20 weight	16500 - 26500 kg	36376 - 58420 lb
GH-20 excav. dimension	600/1500 x 2500/4200 mm	23.6/59 x 98.4/165.4 in

Please refer to load chart for duty cycle operation

Casing
& Hammer Grab

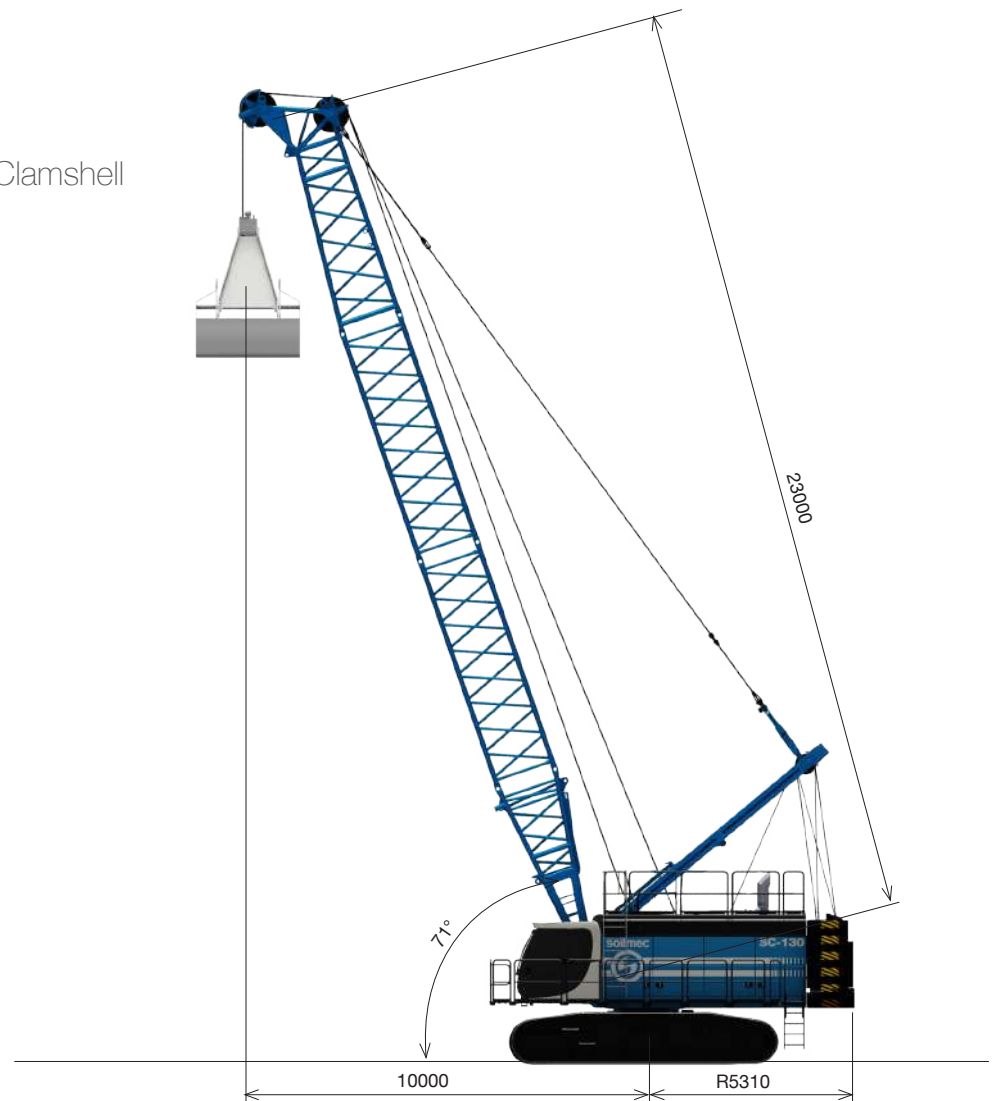


Casing oscillator and hammer grab

Max drilling diameter	3000 mm	118 in
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Please refer to load chart for duty cycle operation

Clamshell



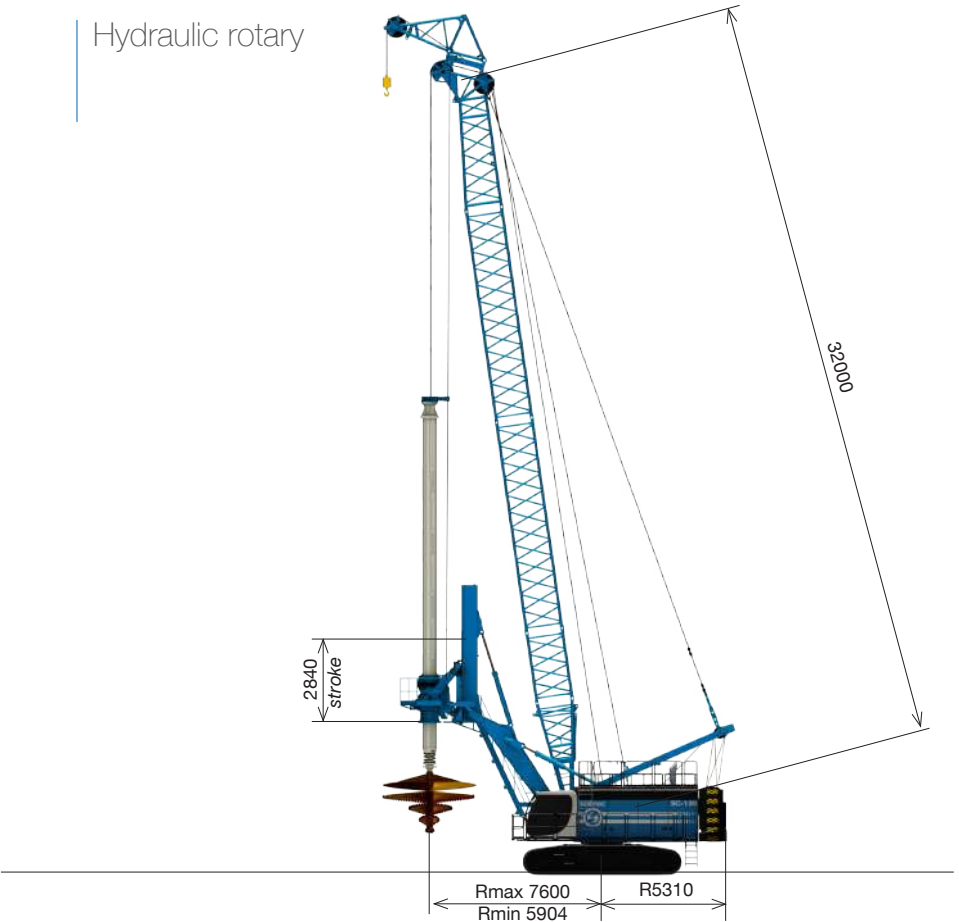
Clamshell

Max grab weight	53000 kg	116845 lb
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Please refer to load chart for duty cycle operation

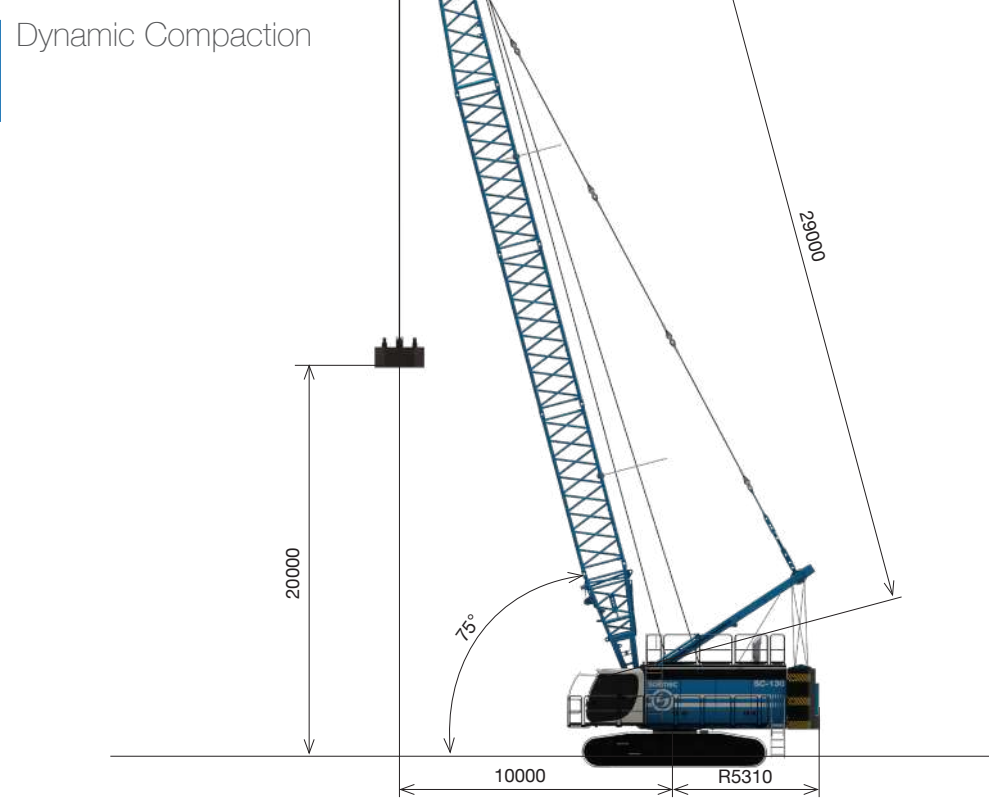
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Configurations



Hydraulic rotary attachment (SA-40)		
Max diameter	4000 mm	157.5 in
Max depth	94 (106) m	308.4 (348) ft
Max torque	413 kNm	304608 lb*ft
Rated torque	387 kNm	285432 lb*ft
Max drilling speed	30,4 rpm	30,4 rpm
Cylinder crowd system stroke	2840 mm	111.8 ft
Cylinder crowd system force	180 kN	40465 lbf

Drawing are not to scale All technical data are purely indicative and subject to change without notice

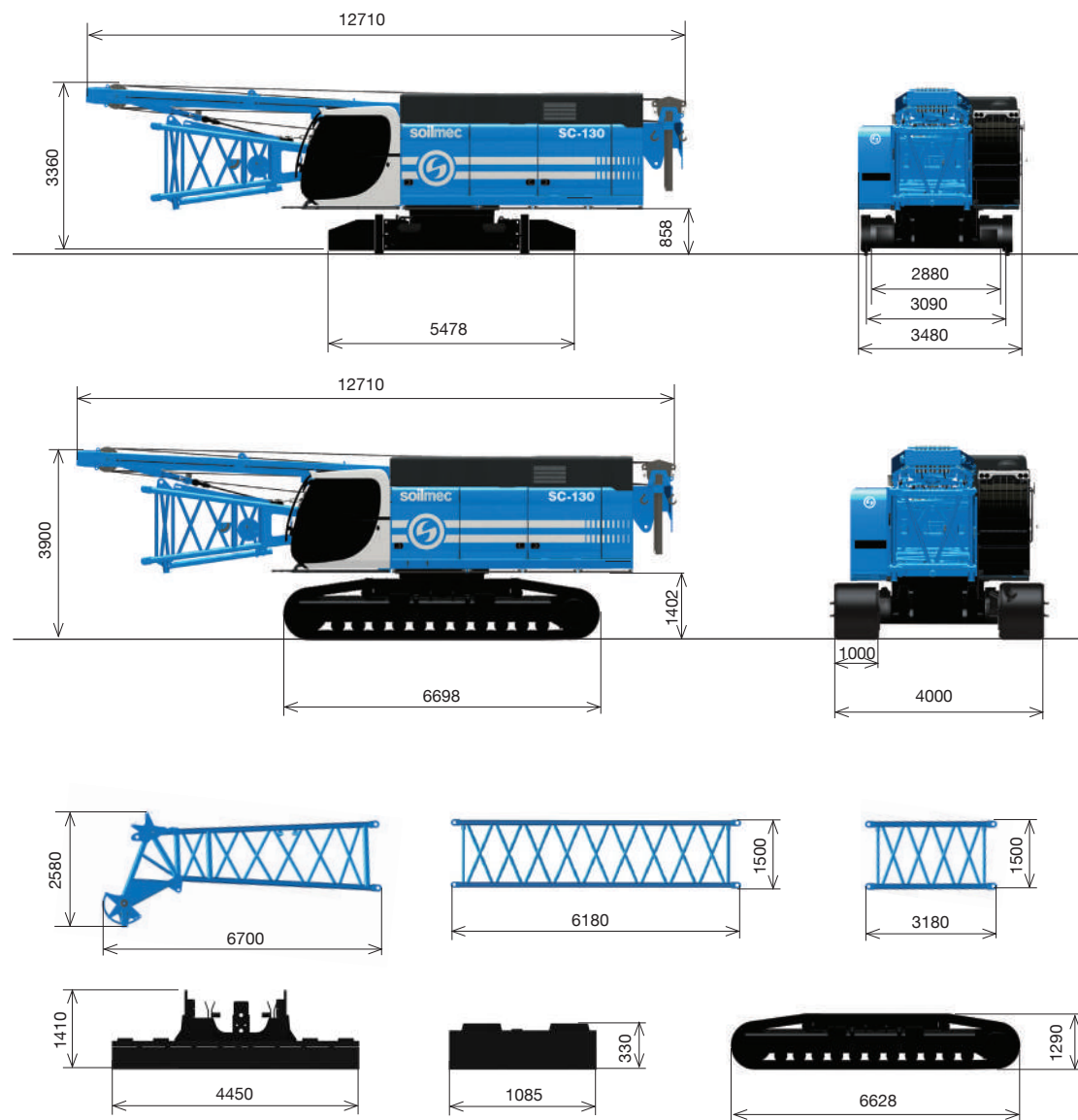


SC-130 HD Load Chart (t) - for DC - c/w 29 t countweight					
working radius	Boom length				
	20	23	26	29	32
8 m	36,2	33,4	30,8	28,4	24,8
9 m	32,4	30,0	27,5	25,8	23,7
10 m	29,1	26,8	25,1	23,4	21,8

SC-130 HD Load Chart (1000 lbs) - for DC - c/w 63934 lbs countweight					
working radius	Boom length				
	66	75	85	95	105
26 ft	79,7	73,7	68,0	62,5	54,8
30 ft	71,3	66,2	60,5	56,8	52,2
33 ft	64,1	59,0	55,3	51,7	48,1

Transport

Dimensions and Weights



Base machine (SC-39 VW undercarriage) c/w crawlers

Weight	81600 kg	180000 lb
Width	4000 mm	157 in
Height	3900 mm	154 in
Length	12710 mm	500.4 in

Base machine (SC-39 VW undercarriage) w/o crawlers

Weight	55000 kg	121254 lb
Width	3480 mm	136.6 in
Height	3475 mm	137 in
Length	12710 mm	500.4 in

Base machine (SC-37 FW undercarriage) w/o crawlers

Weight	52500 kg	115743 lb
Width	3480 mm	136.6 in
Height	3360 mm	132.3 in
Length	12710 mm	500.4 in

Boom transport

Width x height	1685 x 1860 mm	66 x 73.2 in
Weight - 3 m (10 ft)	1000 kg	2205 lb
Weight - 6 m (20 ft)	1600 kg	3527 lb
Weight - 9 m (30 ft)	2200 kg	4860 lb

Counterweight transport

Base width	1190 mm	46.9 in
Base weight	17000 kg	37479 lb
Block width	1040 mm	41 in
Block weight	1550 kg	3417 lb

Sideframe transport

Weight	14000 kg	30865 lb
Width	1000 mm	39 in

Technical data

Undercarriage



Especially designed for heavy duty applications that require less penetration, better turning capability and less ground disturbance. Maintenance-free crawler track. Hydraulic chain tensioning device.

Undercarriage

Type*	Variable gauge	
Overall width	6000 mm	236,2 in
Overall length	6700 mm	263,8 in
Track shoes width	1000 mm	39,4 in
Track shoes type	Triple grouser	Triple grouser
Travel speed	0,8 - 1,6 km/h	0,5 - 1,0 mph
Traction force	722 kN	162309 lbf

*Fixed gauge type with removable sides on demand. All weights to be reduced by 2,000 kg (4,409 lb).



Upper structure

Turret width	3500 mm	138 in
Slewing speed *	3,5 rpm	3,5 rpm
Swing tail radius	5310 mm	209 in
Counterweight	35800 kg	78925 lb
Additional counterweight	6200 kg	13669 lb

* Selector for 3 speed range to increase swing precision

Engine



Engine

Model	CAT C18	CAT C18
Power rating	563 kW @ 1800 rpm	755 HP @ 1800 rpm
Engine conforms to Exh.emission Std	EU Stage V / US EPA Tier 4f	
Fuel tank capacity	1100 l	291 US gal

Available: Engine Tier 2: Power rating 570 kW (764HP) @ 1800 rpm

Hydraulic system

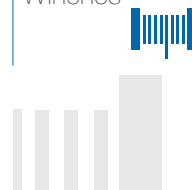


The cleaning of hydraulic oils is electronically monitored and any clogging is show to operator on DMS control system in the cab.

Hydraulic systems

Main pumps flow - dedicated for hydromill module	2 x 420 l/min	2 x 111 US gal
Main pumps flow - dedicated for base carrier	2 x 384 l/min	2 x 101 US gal
Hydraulic oil capacity	1250 l	330 US gal

Winches



Main winch standard

Type	Free fall	Free fall
1st layer line pull (nominal)	350 kN	78682 lbf
1 st layer rope speed (max)	73 m/min	240 ft/min
Rope diameter	36 mm	1,4 in
Rope layers	3	3
Useful rope length with 1/2/3 full layers	39 / 90 / 144 m	128 / 295 / 472ft

Main winch optional

Type	Free fall	Free fall
1st layer line pull (nominal)	350 kN	78682 lbf
1 st layer rope speed (max)	81 m/min	266 ft/min
Rope diameter	36 mm	1,4 in
Rope layers	3	3
Useful rope length with 1/2/3 full layers	36 / 87 / 140 m	125 / 285 / 459ft



Boom

Boom length min - max	11 - 53 m	36 - 173.9 ft
Boom extension length	3 - 6 - 9 m	10 - 20 - 30 ft
Auxiliary Jib capacity	30 t	33 US ton

Noise

Sound pressure level in cab c/w Tier 4f Engine	77 dB(A)	77 dB(A)
Sound power level c/w Tier 4f Engine	109 dB(A)	109 dB(A)



SM-cab



Controls



Soilmec cab. By assessing the specific application and listening properly to the wishes and requirements of the operators, Soilmec provides the optimal operator cabin for comfort. Ergonomic seat with air suspension, fully adjustable, lumbar support, air management, as well as lines of sight, quality and safety are standard aspects considered during the design of the right configuration for the cabin.

- Cabin width	1050 mm	3.4 ft
- Sliding door		
- Courtesy lights		
- Air conditioning system and climate control unit		
- Radio player with USB aux port		

DMS control system, developed and manufactured by Soilmec - is designed to give you a total control over performance, production and all your drilling rigs. In real time all the information relating to the operation work cycles and diagnostics of faults are shown on a multi language touch screen display installed in the cab. All drilling operations are actuated by two innovative joysticks. Automatic controls of rotary head and drilling phases are available on request thanks to simple implementation of our DMS system.

Equipments

UNDERCARRIAGE

Triple grouser track shoes	●
Flat track shoes	○
Variable gauge undercarriage	●
Self-lifting kit for variable gauge undercarriage	○
Fixed gauge undercarriage	○
Extension kit for undercarriage fixed Gauge	○
4 access points with steps	●
Removable sides for low trasport weight	○
Extension plates groups for undercarriage stabilizers	○
Hydraulic prearrangement for Casing Oscillator	○
Tracks with chain tensioning device	●
Grease lubricated tracks	●
Track triple grouser: 900 mm	○

UPPER STRUCTURE

Diesel engine Cat C18 Tier 4F / Stage V	●
Diesel engine Cat C18 Tier 2	○
360° access with 2 ladders for upper structure	●
Slew bearing with 3 roller bearing	●
Additional counterweight 6,2 t (6.8 US ton)	○
Free fall winches 30 t (33 US ton)	●
Free fall winches 35 t (39 US ton)	○
Limit switch for rope winding and winches	●
Quick assembly catwalk 900 mm width with handrails	●
Acoustic & light alarm for tramping	●
Automatic greasing kit	○
2° (Additional) Motoreducer for turret swing	○
Service winch for assembling operation	○
Support for tools, air compressor and high pressure water pump	○
PLC system for electro-proportional controls	●
Counterweight self-removal	●
Hydro-clean micro filtration with water separation	●
Automatic swing parking brake and automatic travel parking brake	●
Electric refueling pumps for Diesel and hydraulic oil with automatic stop system	●
Bio lubrication engine oil	○
"CAT BIO HYD ADVANCED" hydraulic bio-oil (compliant with European directive 2005/360/EC)	○
Swing limitation system	○

CAB

Falling object protective structure (FOPS)	●
Rearview mirrors	●
Operator seat (air suspension, lumbar support, fully adjustable positioning, safety belt)	●
Sliding door	●
Sliding window	●
Lighting system in front of the cab	●
Sunshade shield for cabin	●
Comfort pack (Air conditioner, Beverage/Cup holder, Courtesy lights, etc.)	●
Stationary skylight	●
Travel control pedals with removable hand levers	●
Signal/warning horn	●
Hydraulic oil contamination warning inside the cab	●

CONTROL AND MONITORING SYSTEM

DMS ON BOARD with control of machine performance and excavation parameters	●
DMS PC for production data analysis and report	●
DMS manager 4.0	●
GSM / GPRS / WIFI Modem	●
Adjustable monitor 12" touch screen	●

SAFETY DEVICE

4 video-cameras	●
Assembly mode for rigging/de-rigging	●
Control board for rope changing	●
High led lighting system	●
Safety life line on the boom and base boom ladder	●
Load Moment Limiter (with boom lowering slow stop function)	●
Fire extinguisher	●
State-of-the-art safety load indicator with graphic display and 3 color percentage indicator traffic light	●
Cab top guard	●
Safety 3 rope turns unwinding limited switch on winches	●

BOOM

Boom extension 3 - 6 - 9 m (10 - 20 -30 ft)	●
Boom angle available on display	●
Working radius available on display	●
Max handling load available on display	●
Current handling load available on display	●
Boom walk ways	●

TECHNOLOGY PACKAGE

LIFTING

Not Rotating Ropes Group for front and rear winches L = 140 m (459.3 ft)	●
Hook Block (No.4 sheeves) for 120 tons	○
Hook Block (No.3 sheeves) for 100 tons	●
Hook Block (No.2 sheeves) for 72,4 tons	○
Hook Block (No.1 sheeves) for 37,7 tons	○
Jib 30 t (33 US ton)	○
Lifting beam for jib in 2nd line pull	○
Swivel hook for jib (No.1 sheeves) for 20 tons	○

DIAPHRAGM WALL

Hydraulic grab GH-20	○
Inclinometer	○
Grab body extendable with additional side guides	●
Interchangeable jaws and teeth	●
Depthmeter	●
Greasing kit	●
Rotating Ropes Group for front and rear winches L=120m	●
Rotating Ropes Group for front and rear winches L=150m	○
Winch synchronization (both winches work at the same speed) for 2 rope grab operations	○

CASING OSCILLATOR

Not Rotating Ropes Group for front and rear winches L=140m (Spherical/Hammer Grab)	○
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DYNAMIC COMPACTION

Heavy Duty sheaves for ropes	●
Protection grids and heavy duty shield for cabin	●
Ropes restrained and protection arcs for stroke absorbtion	●

HYDRAULIC ROTARY

Hydraulic rotary attachment SA-40	●
Hydraulic and Electric prearrangement for rotary attachment	●
Hydraulic rotary table up to 413 kNm nominal torque	●
Hydraulic crowd cylinder nominal force up to 250 kN	●

● standard

○ optional



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