



LATTICE BOOM CRAWLER CRANE

A new model

The SC-120 crawler mounted crane has been designed meeting the advantage of being dedicated and multifunctional at the same time. It can be used to work with hydromills, crane attachments, vibrators, hydraulic and mechanical grabs,

Main features:

- Multi element lattice boom
- Boom hoist by multiple reeving winch
- Engine CAT 18
- Comfortable operator cab Mechanical and hydraulic fittings for casing oscillator
- Removable and self-assembling tracks
- Controlled descent or free fall type winches
- Multi element self-lifting counterweight
- Wide range of optionals

Notes

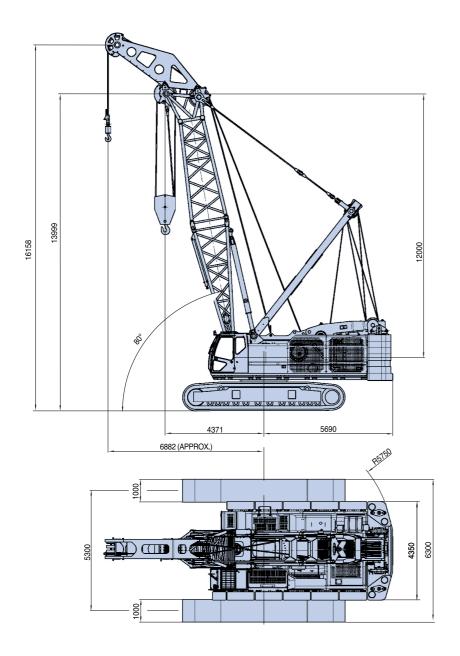
- 1 The rated loads are based on machine at firm level ground and without travelling.
- The rated loads are in metric tons valid for 360° degree swing.
- The rated loads are calculated to comply DIN 15018, DIN 15019 and do not exceed 75% of tipping load.
- The rated loads include the weight of all lifting attachments.
- The users derate or limit the lifted loads to allow for adverse conditions such as: soft or uneven ground, out of level, wind, side loads, pendulum action, jerking or sudden stopping of load, inexperience of personnel, and possible travelling with a load.
- 6 The max line pull for crane operation is only approximate. It must be referred to used rope with end terminations, in accordance to CEE directive.
- 7 Lifting chart values must be applied in complete optimum boom assembly and head with plastic sheaves.

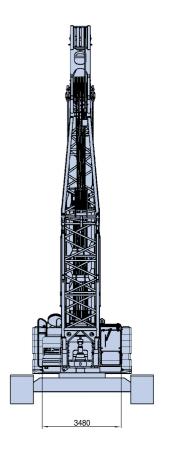
Engine						
Make and model		CATERPILLAR C18				
Rated Power SAE J 1995	kW	522 @ 1800 rpm				
Cylinders	n°	6 - in line				
Power supply		Turbocharged aftercooler air toair				
Hardward a Contain						
Hydraulic System						
Max flow	l/min (MPa)	2 X 475 (30)				
Controls		proportional				
Winches free fall						
	I-NI	250				
Line pull	kN	350				
Rope diameter	mm	36				
Winches controlled descent						
Line pull	kN	350				
Rope diameter		36				
rope diameter	mm	30				
Turret						
Max width	mm	3500 (4350 Counterweight)				
Rotation speed	rpm	3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3				
notation specu	i piii	J				
Undercarriage						
Type		Fixed gauge / removable sides				
Shoes width	mm	900 / 1000				
Center of wheels	mm	6000				
Max track length	mm	7172				
Max travelling speed	km/h	2.0				
Tracks removable						
General Features						
Tailswing	mm	5750				
Max transport width	mm	3500				
Max transport height	mm	3560				
Boom						
		1520 -: 1520				
Tubular boom	mm	1520 x 1520				
Weights						
Base machine (w/o sides count.)	t	71				
In working conditions	t	130				
Counterweight	†	30				
The shown weights may vary in different outfitting		30				
The shown weights may vary in unferent outlitting	,3					

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Winch 3	00 kN Crane	SM120 (with	nout Jib)			Winch 300 kN Crane SM120 (without Jib)							
Boom Length (m)							Boom Length (m)						
Boom	12m	15m	18m	21m	24m	Boom	27m	30m	33m	36m	39m		
Radius (m)			Capacity (t)			Radius (m)			Capacity (t)				
3,7	120.00	_	_	_	_	6.0	66.24	_	_	_	_		
4.0	120.00	107.04	_	-	_	6.5	_	65.98	61.42	_	_		
4.5	113.21	106.73	100.25	-	_	7.0	65.44	65.25	60.91	37.70	-		
5.0 5.5	101.73 91.68	100.45 90.61	100.25 90.45	93.30	72.44	7.5 8.0	 55.94	55.61	<u> </u>	 37.70	37.70 37.70		
6.0	82.55	81.58	81.42	81.02	72.44	8.5		-	-	37.70	- 37.70 -		
6.5	75.00	74.13	73.97	_	_	9.0	48.64	48.36	48.06	37.70	37.70		
7.0	68.67	67.85	67.70	67.50	65.66	9.5	_	_	_	_	_		
7.5	63.26	62.55	62.39	- 	60.45	10.0	42.60	42.55	42.48	37.70	37.70		
8.0 8.5	58.62 54.48	58.01 54.03	57.85 53.87	57.65 _	56.02 52.14	10.5 11.0	 37.56	37.14	36.88	36.45	36.38		
9.0	50.20	50.51	50.35	50.15	48.72	11.5		-	-	-	-		
9.5	46.37	46.83	46.83	_	45.71	12.0	32.84	32.70	32.52	32.44	32.28		
10.0	42.75	43.36	43.31	43.16	43.01	12.5	31.02	-	-	-	-		
10.5 11.0	39.43 36.47	40.35 37.70	40.38 37.65	37.50	40.05 37.39	13.0 13.5	29.29 27.89	29.13	28.96	28.79	28.56		
11.5	33.72	35.40	35.23	- -	-	14.0	26.54	26.17	25.94	25.87	25.78		
12.0	29.13	33.31	33.21	33.06	32.95	14.5	25.11	-	-	-	_		
12.5	24.43	31.40	31.22	_	_	15.0	23.74	23.67	23.59	23.49	23.40		
13.0	19.28	29.74	29.64	29.48	29.38	15.5		- 21.50	- 21.40	- 24.20	21.20		
13.5 14.0	<u> </u>	28.14 26.78	26.73	26.58	26.42	16.0 16.5	21.67	21.58	21.49	21.38	21.29		
14.5	_	24.98	-	25.02	-	17.0	19.81	19.79	19.75	19.65	19.57		
15.0	_	22.18	24.23	24.13	23.97	17.5	-	_	_	-	-		
15.5		18.92	-	22.92	-	18.0	18.36	18.21	18.18	18.12	18.00		
16.0 16.5		_	22.14	22.04 20.98	21.88	18.5 19.0	 16.91	16.83	 16.72	 16.63	16.51		
17.0		_	20.35	20.30	19.94	19.5	-	-	-	-	-		
17.5	-	-	_	19.36	_	20.0	15.77	15.66	15.55	15.47	15.29		
18.0	_	_	16.98	18.67	18.52	20.5			_	_	_		
18.5 19.0	<u> </u>	_	14.54	17.63 17.29	17.02	21.0 21.5	14.44	14.40	14.31	14.22	14.14		
19.5		_	_	16.45	-	22.0	13.70	13.57	13.48	13.39	13.18		
20.0	_	_	_	15.96	15.96	22.5	-	_	_	_	-		
20.5	_	-	_	14.36	_	23.0	12.71	12.67	12.60	12.52	_		
21.0		_	_	12.95	14.64	23.5	11.00	11.67	11.00	11.52	11.15		
21.5 22.0	<u> </u>	_	_	_	13.72	24.0 24.5	11.69 –	11.67	11.60 _	11.52 –	11.15 –		
22.5	_	_	_	_	-	25.0	11.02	11.00	10.97	_	_		
23.0	-	_	_	_	12.90	25.5	-	_	_	-	-		
23.5		_	_	_	10.20	26.0	9.84	9.82	9.79	9.73	9.64		
24.0 24.5	<u> </u>	_		_	10.20	26.5 27.0		9.32		_			
25.0	_	_	_	_	_	28.0		8.72	8.70	8.63	8.30		
25.5	-	-	-	-	-	29.0	_	7.70	_	-	_		
26.0			_	_	_	30.0		_	7.54	7.50	7.01		
26.5 27.0	<u> </u>	_	_	_	_	31.0 32.0		_	6.70	- 6.45	6.10		
27.5		_	_	_	_	33.0			_	6.02	-		
28.0	_	_	_	_	_	34.0	_	-	_	5.24	5.11		
28.5	-	_	_	-	_	35.0	_	_	_	_	_		
29.0		_	_	_	_	36.0		_	_	_	4.47		
	-	_	_	_	_	37.0	_	_	_	_	3.73		
Line Parts	8	8	-	6	4	Line Parts	4	4	4	2	2		
	12	15	_	21	24		27	30	33	36	39		
	Boom Length (m)						Boom Length (m)						

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Special Applications

Continuous Flight Auger

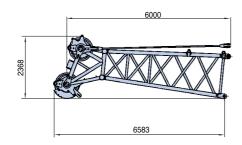


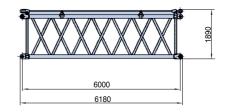
Figures

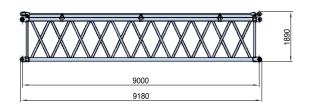
- 1 -Self counterweight2 -Self assembling track3 -Transport configuration

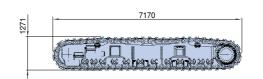


DIMENSIONS & WEIGHTS





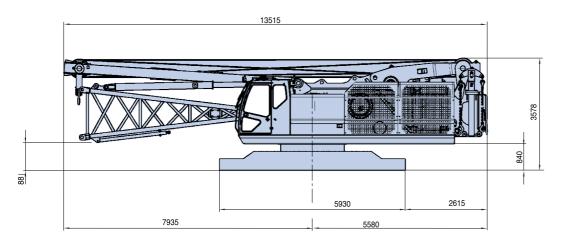


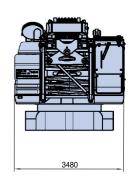






























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