

Grove GMK5275

Product Guide

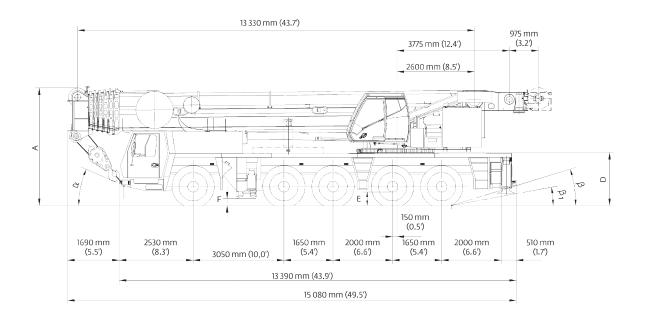


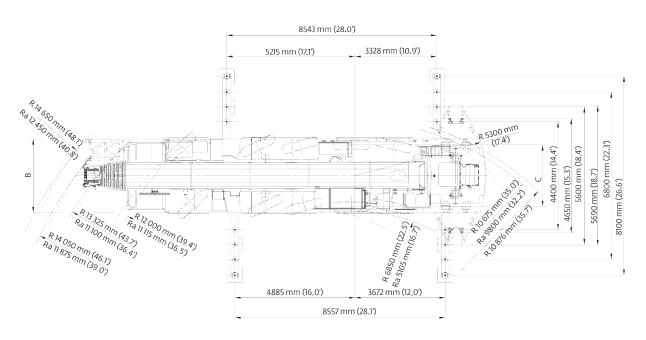
Features

- 13,3 m 68 m (44 ft 223 ft) seven-section full power MEGAFORM™ boom with TWIN-LOCK™ pinning
- 12 m 21 m (39 ft 69 ft) hydraulic offset bi-fold swingaway
- 2 x 8 m (26 ft) intermediate lattice inserts
- 77 t (169,700 lb) counterweight with hydraulic removal system
- MEGATRAK™ independent hydro-pneumatic suspension

Dimensions

European version

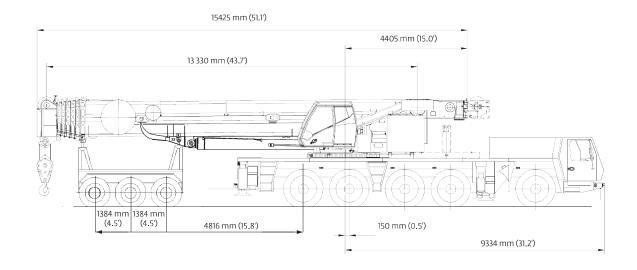




Tires	А	A 130 mm (0.4')	В	С	D	Е	F	α	β	β 1
14.00 R25	3950 mm (13')	3820 mm (12.5')	2990 mm (9.8')	2570 mm (8.4')	1780 mm (5.8')	400 mm (1.3')	228 mm (0.7')	23°	15°	10°
16.00 R25	4000 mm (13.1')	3870 mm (12.7')	3000 mm (9.8')	2510 mm (8.2')	1830 mm (6.0')	450 mm (1.5')	258 mm (0.8')	25°	17°	12°
20.5 R25	4000 mm (13.1')	3870 mm (12.7')	3000 mm (9.8')	2530 mm (8.3')	1830 mm (6.0')	450 mm (1.5')	258 mm (0.8')	25°	17°	12°

Ra = Radius all wheels steered *Lowered

Trailing boom



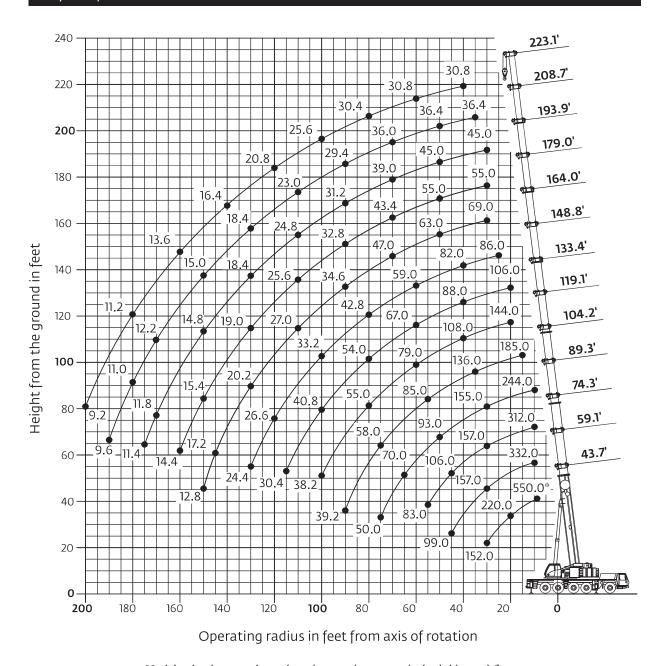
Basic weights - kg (lb)	Axle	es 1-3	Axles	4 and 5	Do	olly	To	otal
GMK 5275 Mercedes power with: 20.5R25 tires, 10x8x10 drive/steer, 11 m-18m (36-59 ft) hydraulic luffing swingaway, 2nd oil cooler, outrigger pads, auxiliary hoist, driver and tanks filled, 3 axle boom dolly (4309 kg / 9400 lb)	27 881	(61,467)	20 119	(44,355)	20 079	(44,267)	68 079	(150,089)
Additions:								
5000 kg (11 000 lb) section pinned to superstructure (special counterweight version)	4831	(10,651)	169	(373)	0	(0)	5000	(11,023)
11 000 kg (24,250 lb) base section stowed on carrier	10 629	(23,433)	371	(818)	0	(0)	11 000	(24,251)
Removals:								
Brackets for hydraulic swingaway incl. hose reel	-8	(-18)	-4	(-9)	- 257	(- 567)	- 270	(- 595)
11 m - 18 m (36 ft - 59 ft) hydraulic swingaway	- 345	(-761)	- 176	(- 388)	-148 9	(- 3283)	- 2010	(-4431)
Front outriggers	- 2190	(-4828)	300	(661)	0	(0)	- 1890	(-4167)
Rear outriggers	1338	(2950)	- 3678	(-8109)	0	(0)	- 2340	(- 5159)
Front and rear outrigger floats	- 59	(- 130)	- 141	(-311)	0	(0)	-200	(-441)
Substitutions:								
10x6x10 drive/steer	- 316	(- 697)	-39	(-86)	0	(0)	-355	(- 783)
14.00R25 tires	- 612	(- 1349)	- 408	(-899)	0	(0)	- 1020	(- 2249)
16.00R25 tires	- 252	(- 556)	-168	(- 370)	0	(0)	- 420	(- 926)

Boom over front							
Basic weights - kg (lb)	Axle	es 1 - 3	Axles	4 and 5	Total		
Mercedes power, 16.00R25 tires, 10x6x10 drive/steer, 2nd oil cooler, outrigger pads, driver and tanks filled	34 340	(75,707)	24 645	(54,333)	58 985	(130,040)	
Additions:							
10x8x10 drive/steer	316	(697)	39	(86)	355	(783)	
Spare wheel 14.00 R25 XGC steel rim with stowage	-186	(-410)	446	(983)	260	(573)	
Spare wheel 16.00 R25 XGC steel rim with stowage	- 229	(- 505)	549	(1210)	320	(705)	
Spare wheel 20.5 R25 XGC steel rim with stowage	- 259	(- 571)	621	(1369)	362	(798)	
Brackets for hydraulic swingaway	92	(203)	-12	(- 26)	80	(176)	
Hose reel + parts for hydraulic swingaway	339	(747)	-149	(-328)	190	(419)	
11 m - 18 m (36 ft - 59 ft) hydraulic swingaway	2321	(5117)	- 311	(-686)	2010	(4431)	
Auxiliary hoist	-1417	(- 3124)	3157	(6960)	1740	(3836)	
11 000 kg (24,250 lb) base plate stowed on carrier	10 581	(23,327)	369	(814)	10 950	(24,141)	
5000 kg (11,000 lb) slab fixed to turntable (special counterweight version)	- 3452	(- 7610)	8432	(18,589)	4980	(10,979)	
Substitutions:							
14.00R25 tires	-360	(- 794)	- 240	(- 529)	- 600	(- 1323)	
20.5R25 tires	252	(556)	168	(370)	420	(926)	
Removals:							
Boom assembly w/o lift cylinder	- 19 612	(- 43,237)	- 1523	(- 3358)	- 21 135	(- 46,595)	
Front outriggers	- 2213	(- 4879)	303	(668)	-1910	(- 4211)	
Rear outriggers	1326	(2923)	- 3646	(-8038)	- 2320	(- 5115)	
Front and rear outrigger floats	- 59	(- 130)	-141	(-311)	-200	(-441)	

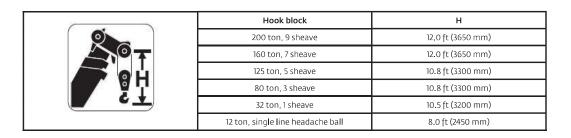
Grove GMK5275

Working range

44 ft - 223 ft main boom



Hook heights shown in the working diagram do not consider loaded boom deflection.



Load charts

Main boom



							Pounds x 100	0					
رق													
Feet	43.7	59.1	74.3	89.3	104.2	119.1	133.4	148.8	164.0	179.0	193.9	208.7	223.1
8 10	*550.0 346.0	332.0	312.0	244.0									
15	272.0	270.0	260.0	244.0	185.0								
20	220.0	222.0	215.0	212.0	182.0	144.0	106.0						
25	184.0	185.0	181.0	181.0	166.0	140.0	106.0	86.0					
30	152.0	157.0	157.0	155.0	151.0	129.0	105.0	86.0	69.0	55.0	45.0		
35		136.0	136.0	135.0	136.0	118.0	96.0	86.0	69.0	55.0	45.0	36.4	
40		121.0	119.0	118.0	120.0	108.0	88.0	82.0	69.0	55.0	45.0	36.4	30.8
45		99.0	106.0	104.0	106.0	99.0	81.0	75.0	68.0	55.0	45.0	36.4	30.8
50			95.0	93.0	95.0	92.0	76.0	70.0	63.0	55.0	45.0	36.4	30.8
55			83.0	84.0	85.0	85.0	72.0	64.0	59.0	52.0	45.0	36.4	30.8
60				76.0	77.0	79.0	67.0	59.0	54.0	49.0	44.0	36.4	30.8
65				70.0	70.0	72.0	63.0	54.0	50.0	46.0	41.2	36.4	30.8
70				63.0	64.0	66.0	60.0	50.0	47.0	43.4	39.0	36.0	30.8
75 80				50.0	58.0	61.0	57.0	46.0	43.0	40.4	36.8	34.4	30.8
80					53.0	55.0	54.0	42.8	39.6	37.6	34.8	32.6	30.4
85					49.0	51.0	51.0	40.2	37.2	35.2	33.0	31.0	29.2
90					39.2	46.0	48.0	37.6	34.6	32.8	31.2	29.4	28.0
95						42.4	44.0	35.2	32.4	30.8	29.4	28.0	26.8
100						38.2	40.8	33.2 31.4	30.4	28.8	27.8	26.4	25.6
105 110							37.6 34.8		28.8 27.0	27.2	26.4	24.8	24.4
115							30.4	29.6 28.0	25.2	25.6 23.8	24.8 23.0	23.0 21.4	23.2 22.0
120							30.4	26.6	23.2	21.8	21.2	20.4	20.8
125								25.2	21.4	20.0	19.4	19.4	19.4
130								24.4	20.2	19.0	18.4	18.4	18.0
135								27.7	19.2	18.0	17.4	17.4	17.2
140									18.2	17.0	16.4	16.6	16.4
145									17.2	16.0	15.6	15.8	15.6
150									12.8	15.4	14.8	15.0	15.0
155										14.8	14.0	14.2	14.2
160										14.4	13.2	13.4	13.6
165											12.6	12.8	13.0
170											11.8	12.2	12.4
175											11.4	11.6	11.8
180												11.0	11.2
185												10.6	10.6
190												9.6	10.2
195 200													9.6 9.2
200													9.2

^{*} Over the rear with special equipment

Loads greater than 297,000 lb/335,000 lb can only be lifted with additional/special equipment.

Load charts

Main boom



<u></u>						Po	unds x 1000)					
Feet	43.7	59.1′	74.3'	89.3'	104.2'	119.1′	133.4'	148.8'	164.0'	179.0'	193.9	208.7	223.1
10	336.0	332.0	312.0	244.0									
15	262.0	260.0	258.0	242.0	185.0	344.0	106.0						
20	210.0	211.0	208.0	210.0	182.0	144.0	106.0	06.0					
25 30	176.0 149.0	177.0 150.0	176.0 150.0	175.0 148.0	166.0 150.0	140.0 129.0	106.0 105.0	86.0 86.0	69.0	55.0	45.0		
35	149.0	132.0	130.0	127.0	124.0	118.0	96.0	86.0	69.0	55.0	45.0	36.4	
40		114.0	111.0	110.0	103.0	102.0	88.0	82.0	69.0	55.0	45.0	36.4	30.8
45		98.0	95.0	94.0	90.0	88.0	81.0	75.0	68.0	55.0	45.0	36.4	30.8
50		30.0	83.0	82.0	81.0	76.0	76.0	70.0	63.0	55.0	45.0	36.4	30.8
55			72.0	71.0	72.0	67.0	68.0	64.0	59.0	52.0	45.0	36.4	30.8
60				62.0	64.0	62.0	60.0	57.0	54.0	49.0	44.0	36.4	30.8
65				57.0	56.0	58.0	54.0	50.0	49.0	46.0	41.2	36.4	30.8
70				51.0	50.0	52.0	49.0	45.0	43.8	43.2	39.0	36.0	30.8
75				46.0	45.0	47.0	44.0	40.8	39.6	39.0	36.8	34.4	30.8
80					41.6	42.0	40.0	37.0	35.8	35.4	34.8	32.6	30.4
85					39.2	38.2	36.0	34.2	32.4	32.0	32.0	31.0	29.2
90					35.8	34.6	32.6	32.8	29.4	29.2	29.2	29.4	28.0
95						31.4	29.4	31.4	26.8	26.6	26.6	27.4	26.8
100						28.8	26.8	28.6	24.4	24.4	24.4	25.0	25.6
105							25.2	26.0	22.2	22.8	22.2	23.0	23.6
110 115							24.2 23.4	23.8 21.8	20.0 18.4	21.2 20.2	20.4 19.0	21.2 19.4	21.8 20.2
120							23.4	20.0	17.8	19.4	18.0	18.6	18.6
125								18.4	17.0	18.4	17.2	17.6	17.2
130								16.8	16.2	17.8	16.4	16.6	15.8
135								10.8	15.6	16.8	15.8	15.8	14.6
140									15.0	15.4	15.0	14.8	13.4
145									15.0	14.4	14.2	13.6	12.4
150										13.2	13.2	12.6	11.2
155										12.2	12.2	11.4	10.2
160										11.4	11.2	10.6	9.2
165											10.6	9.6	8.4
170											9.8	8.8	7.6
175											9.2	8.0	6.8
180												7.2	6.0
185												6.6	5.2
190												6.0	4.6
195 200													4.0 3.4
200				ļ. —	Q								3.4
13.	3 m - 68 m	41 000 (90,300		in spread	360°								

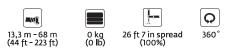
$\overline{\mathbb{R}}$						Po	unds x 100	0					
\underline{G}													
Feet	43.7'	59.1'	74.3	89.3'	104.2'	119.1'	133.4'	148.8'	164.0'	179.0'	193.9'	208.7'	223.1'
10	332.0	328.0	312.0	244.0									
15	256.0	256.0	254.0	242.0	185.0								
20	207.0	208.0	206.0	206.0	182.0	144.0	106.0						
25	172.0	173.0	173.0	171.0	166.0	140.0	106.0	86.0					
30	146.0	149.0	146.0	138.0	131.0	128.0	105.0	86.0	69.0	55.0	45.0		
35		124.0	117.0	114.0	110.0	105.0	96.0	86.0	69.0	55.0	45.0	36.4	
40		102.0	101.0	95.0	94.0	88.0	87.0	82.0	69.0	55.0	45.0	36.4	30.8
45		84.0	85.0	81.0	80.0	76.0	75.0	71.0	68.0	55.0	45.0	36.4	30.8
50			72.0	72.0	70.0	70.0	65.0	61.0	59.0	55.0	45.0	36.4	30.8
55			64.0	64.0	61.0	62.0	57.0	54.0	52.0	51.0	45.0	36.4	30.8
60				55.0	56.0	55.0	51.0	47.0	46.0	45.0	44.0	36.4	30.8
65				49.0	51.0	49.0	45.0	42.0	40.6	40.0	39.6	36.4	30.8
70				43.6	45.0	44.0	40.6	39.8	36.2	35.6	35.4	36.0	30.8
75				38.4	40.6	39.4	36.4	37.6	32.4	32.0	31.8	32.4	30.8
80					36.6	35.4	33.0	34.0	29.0	29.4	29.2	30.2	29.8
85					33.0	31.6	30.0	31.0	26.4	28.2	27.8	28.6	27.0
90					29.8	28.6	28.6	28.4	25.0	27.0	26.2	26.6	24.6
95						25.8	27.4	25.6	23.2	25.6	24.6	24.4	22.4
100						23.4	25.2	23,2	21.2	24.0	23.0	22.4	20.4
105							22.8	21.0	20.4	22.2	20.8	20.6	18.6
110							21.0	19.0	19.4	20.4	19.8	18.8	17.0
115							19.2	17.2	18.4	18.6	18.4	17.4	15.6
120								16.0	17.8	17.0	17.0	16.0	14.2
125								15.2	17.0	15.8	16.0	14.6	13.0
130								14.6	15.8	15.0	14.6	13.4	11.8
135									14.6	14.2	13.4	12.2	10.6
140									13.4	13.0	12.2	11.2	9.6
145										12.0	11.2	10.0	8.8
150										11.0	10.2	9.0	7.8
155										10.2	9.2	8.2	7.0
160										9.4	8.4	7.4	6.0
165											7.6	6.6	5.2
170											7.0	5.8	4.6
175											6.2	5.2	3.8
180											J.2	4.4	3.2
185												3.8	3.2
190												3.2	

Load charts

Main boom



							Pounds x	1000					
Feet	43.7'	59.1	74.3	89.3	104.2	119.1	133.4	148.8	164.0'	179.0'	193.9'	208.7	223.1'
10	320.0	318.0	312.0	244.0	105.0								
15	248.0	248.0	246.0	242.0	185.0	144.0	106.0						
20	199.0	200.0	187.0	175.0	158.0	144.0	106.0	06.0					
25	154.0	148.0	138.0	128.0	123.0	113.0	106.0	86.0	60.0	FF 0	45.0		
30	114.0	111.0	105.0	103.0	96.0	94.0	87.0	81.0	69.0	55.0	45.0	26.4	
35		90.0 72.0	87.0 72.0	83.0 68.0	82.0 68.0	77.0	71.0 59.0	66.0 59.0	63.0	55.0 51.0	45.0	36.4	30.8
40 45		58.0	60.0	61.0	58.0	64.0 54.0	50.0	51.0	52.0 43.8	43.0	45.0 42.0	36.4 36.4	30.8
50		58.0	50.0	52.0	50.0	47.0	45.0	43.4	39.2	40.6	39.6	36.0	30.8
55			45.0	46.0	43.2	40.2	41.2	37.4	36.8	37.4	36.6	34.0	30.8
60			45.0	39.2	37.8	36.0	36.0	32.6	34.6	34.0	32.2	29.8	27.4
65				33.8	33.2	33.8	31.8	30.6	31.4	30.2	28.4	26.2	24.0
70				29.4	29.0	30.6	28.2	29.0	28.4	26.8	25.2	23.2	21.0
75				22.8	25.4	27.4	25.0	27.0	25.4	24.0	22.4	20.4	18.4
80				22.0	22.2	24.2	23.2	24.4	23.0	21.4	20.0	18.2	16.2
85					22.0	21,4	20.8	22.0	20.6	19.2	17.8	16.0	14.2
90					19.6	19.0	19.4	20.0	18.6	17.2	16.0	14.2	12.4
95					.5.0	17.4	18.4	18.0	16.8	15.6	14.2	12.6	10.8
100						16.6	16.4	16.2	15.2	14.0	12.6	11.0	9.2
105							14.8	14.6	13.8	12.6	11.2	9.8	8.0
110							13.4	13.0	12.4	11.2	10.0	8.4	6.8
115							12.0	11.6	11.0	10.0	8.8	7.4	5.6
120								10.4	9.8	9.0	7.8	6.4	4.6
125								9.4	8.6	8.0	6.8	5.4	3.8
130								8.4	7.6	7.0	6.0	4.6	2.8
135									6.8	6.0	5.2	3.8	
140									6.0	5.2	4.4	3.0	
145										4.4	3.6		
150										3.6	2.8		
155										3.0			



(Pounds x 100	00				
Foot	43.7'	59.1′	74.3'	89.3'	104.2'	119.1′	122 4'	148.8'	164.0'	177.6'	192.6′
Feet 10	308.0	308.0	286.0	232.0	104.2	119.1	133.4'	140.0	104.0	1//.0	192.0
15	222.0	185.0	160.0	144.0	125.0						
20	122.0	114.0	105.0	100.0	90.0	79.0	76.0				
25	81.0	80.0	77.0	72.0	65.0	63.0	57.0	56.0			
30	56.0	58.0	57.0	54.0	53.0	49.0	48.0	45.0	41.2	37.6	34.4
35	30.0	44.0	44.0	44.0	42.4	41.2	38.8	36.4	33.4	30.6	28.0
40		34.2	35.6	36.0	35.0	33.8	32.0	30.0	27.6	25.2	22.8
45		27.4	28.8	29.6	29.0	28.0	26.6	25.0	23.0	20.8	18.8
50			23.8	24.8	24.2	23.6	22.4	21.0	19.2	17.2	15.4
55			19.8	20.8	20.4	20.0	19.0	17.8	16.2	14.4	12.8
60				17.6	17.4	17.0	16.2	15.0	13.6	12.0	10.4
65				15.0	14.8	14.6	13.8	12.8	11.4	9.8	8.4
70				12.6	12.6	12.4	11.8	10.8	9.4	8.0	6.8
75				5.8	10.8	10.6	10.0	9.2	7.8	6.6	5.2
80					9.2	9.0	8.4	7.6	6.4	5.2	4.0
85					7.6	7.8	7.2	6.4	5.2	4.0	2.8
90 95					6.2	6.6	6.0	5.2	4.0	2.8	
						5.4	4.8	4.2	3.0		
100						4.4	4.0	3.2			
105							3.2				