



TRANSPORTATION SPECS - All Terrain Cranes

GROVE MODEL GMK7550 - 550 TON CAPACITY

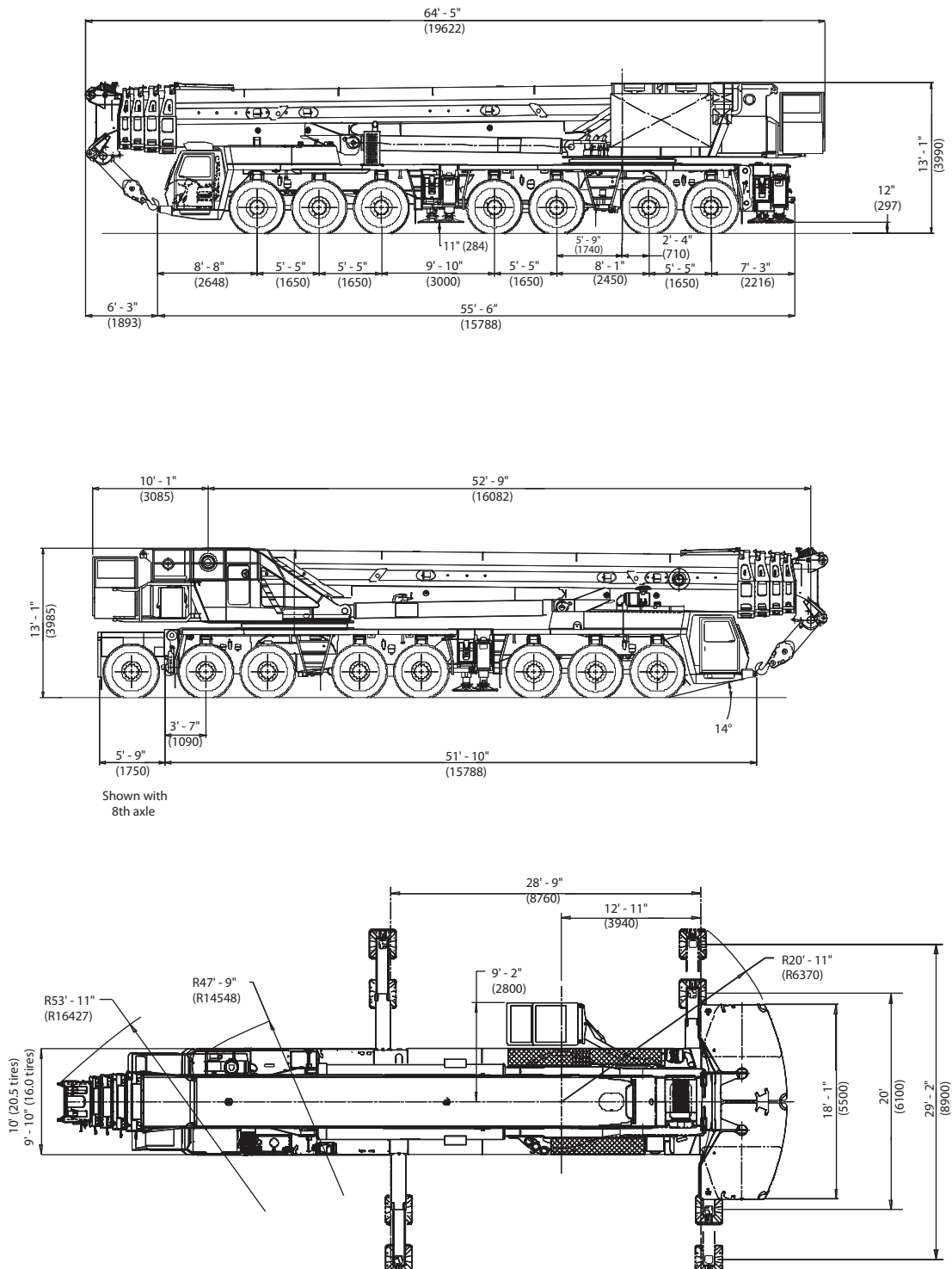
<u>COMPONENT WEIGHTS</u>	<u>LB.</u>	<u>KGS.</u>	<u>COMPONENT WEIGHTS</u>	<u>LB.</u>	<u>KGS.</u>
Complete Crane c/w Full Counterweight, Block and Ball	584,980	265 345	<u>Fixed Jib 39' – 230' & Luffing Jib 82' – 239'</u>		
Main Unit 64' x 9'10" x 13'2"	185,186	84 000	A Butt Section 29' x 6' x 9'6"	1 pc. 8,160	3 700
Counterweights			B Short / Small Insert 21' x 5' x 5'	1 pc. 1,985	900
1 Base Plate 18' x 18'3" x 7'	44,092	20 000	C Short / Large Insert 21' x 6' x 6'3"	1 pc. 2,205	1 000
1-15 Plate 9' x 8'1" x 1'3" 14 pcs	<u>22,046</u>	<u>10 000</u>	D Long / Small Insert 40' x 5' x 5'	2 pcs. 3,528	1 600
Total Counterweight	352,736	160 000	E Long / Large Insert 40' x 6' x 6'3"	2 pcs. 3,528	1 600
Detachable 8 th Axle 7' x 10' x 6'	6,000	2 721	F Angle Section 12' x 5' x 6'	1 pc. 3,528	1 600
Frame Extension for Carrier	1,000	454	G Reducer 4' x 6' x 6'2"	1 pc. 1,103	500
Boom 50' x 9'6" x 8' c/w Saddles	80,000	36 320	H Tip Section 10'6" x 5' x 7'	1 pc. 2,645	1 200
Boom Dolly – Nelson CBC50RT (Tri Tandem)	19,500	8 845	I Pendant Link Short Section 20'4" x 2'4" x 2'4"	ea. 440	200
Tire Size – 11R22.5			J Pendant Link Long Section 40' x 2'4" x 2'4"	ea. 880	399
<u>ADDITIONAL INFORMATION</u>			K Luffing Mast 40'8" x 6' x 5'	1 pc. 7,055	3 200
200t – 9 Sheave Block	6,615	3 001	<u>Heavy Duty Jib 13' – 24'</u>		
125t – 5 Sheave Block	3,732	295	Adapter 5' x 5' x 6'6"	1,720	780
35t – Single Sheave Block	1,398	634	Angle Piece 12'2" x 5' x 6'	3,520	1 600
19t – Ball	1,202	545	Head Sec 10'6" x 5' x 7'	2,650	1 200
4 Steel Mats 6' x 12' ea.	4,280	1 941			
Auxiliary Hoist 13'2" x 7'10" x 7'3"	14,109	6 400			
Mega Lift c/w Chains 36'7" x 9'8" x 5'6"	23,148	10 500			
Rear Outriggers 9'10" x 2'8" x 5'	18,519	8 400			
Front Outriggers 9'10" x 2' x 3'3"	6,613	3 000			
Tire Size 20.5R25					

STERLING CRANE

Fall Off Loads – without Mega Wing			
<u>Load Description</u>	<u>Weight (lb)</u>	<u>Weight (kg)</u>	<u>Trailer Type</u>
Boom (50' x 7' x 8')	80,000	36,288	53' Tri-axle trailer with Jeep
Base counterweight (20t), Rear O/R Box, Sea can, rigging box, 7 sheave block, and four 6' x 12' crane mats	88,000	39,916	Super B
Four 10t counterweight	88,200	40,007	Super B
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Two 10t counterweight, rigging	45,000	20,412	Tridem
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Two 10 t counterweight, rigging, and Mega Wing	68,000	30,844	Super B
Please note the boom does not always have to be carried on a trailer. Please refer to the rules in your jurisdiction to determine if the boom must be trailered.			

STERLING CRANE

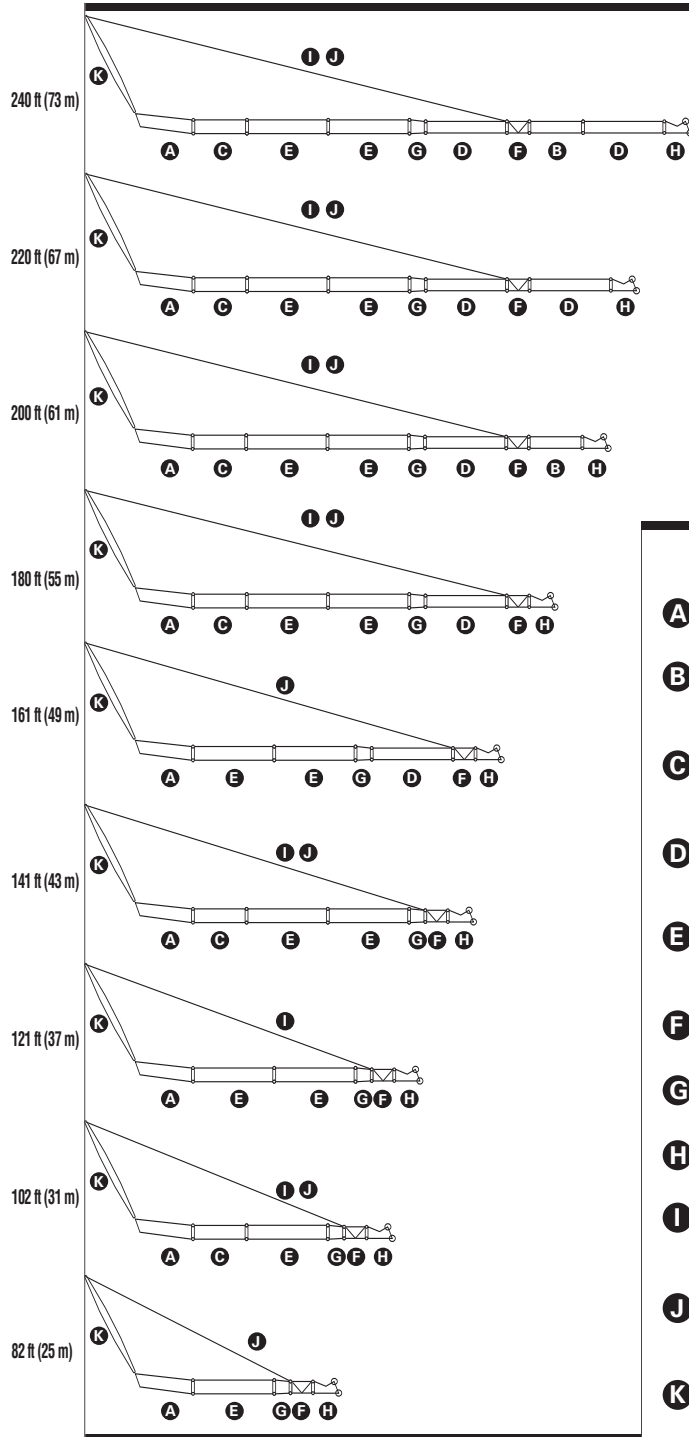
dimensions



dimensions

Luffing jib combinations

without angle offset



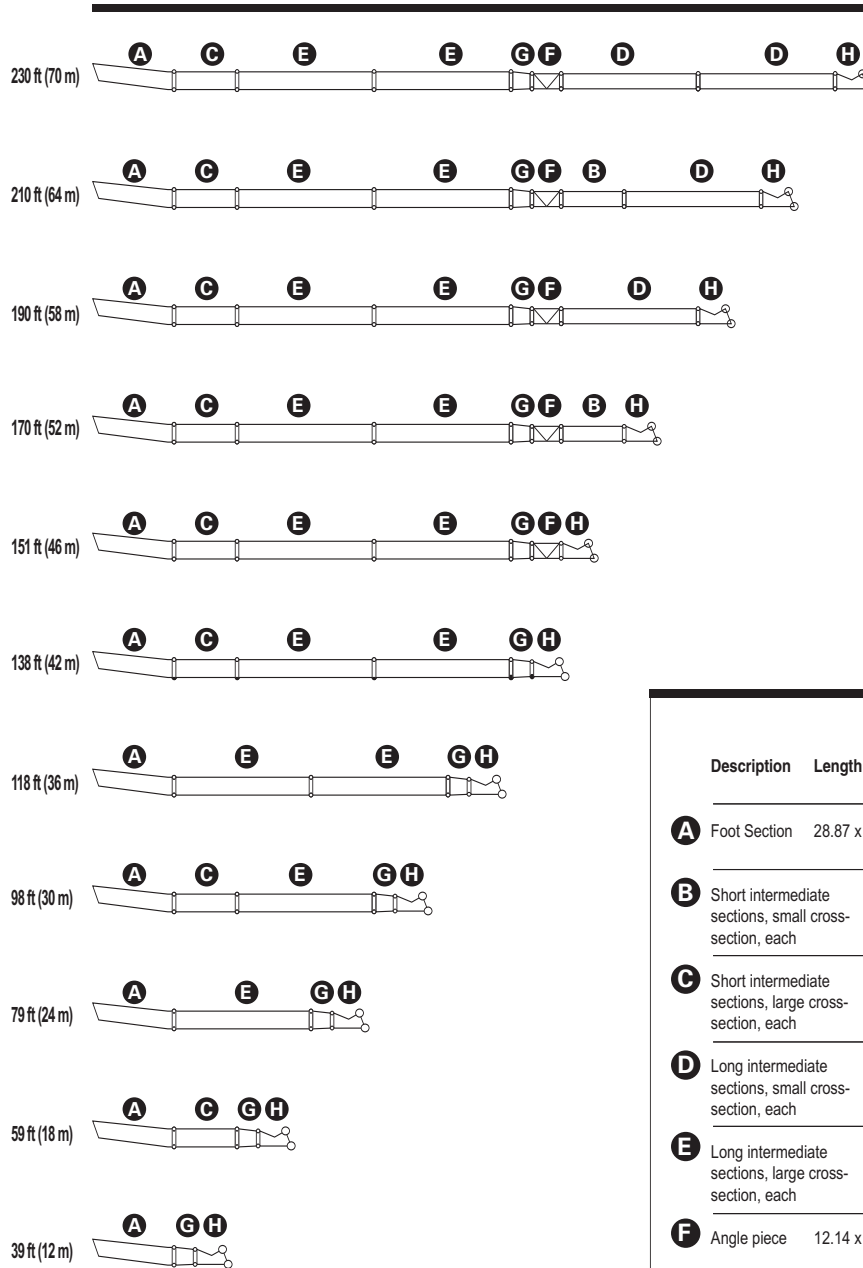
Description	Length x width x height in ft (m)	Weight in lbs. (m)
A Foot Section	28.87 x 5.90 x 8.20 (8.80 x 1.80 x 2.50)	8 160 (3 700)
B Short intermediate sections, small cross-section, each	20.34 x 4.91 x 4.91 (6.20 x 1.50 x 1.50)	1 985 (900)
C Short intermediate sections, large cross-section, each	20.34 x 5.90 x 6.23 (6.20 x 1.80 x 1.90)	2 205 (1 000)
D Long intermediate sections, small cross-section, each	40.03 x 4.91 x 4.91 (12.20 x 1.50 x 1.50)	3 530 (1 600)
E Long intermediate sections, large cross-section, each	40.03 x 5.90 x 6.23 (12.20 x 1.80 x 1.90)	3 530 (1 600)
F Angle piece	12.14 x 4.91 x 5.90 (3.70 x 1.50 x 1.80)	3 530 (1 600)
G Reducing piece	3.94 x 5.90 x 6.23 (1.20 x 1.80 x 1.90)	1 105 (500)
H Head piece	10.50 x 4.91 x 6.89 (3.20 x 1.50 x 2.10)	2 650 (1 200)
I Rear pendant link for short intermediate section	20.34 x 0.70 x 0.70 (6.20 x 0.20 x 0.20)	440 (200)
J Rear pendant link for long intermediate section	40.03 x 0.70 x 0.70 (12.20 x 0.20 x 0.20)	880 (400)
K Luffing control arm with fall-back guard strut	40.03 x 6.89 x 5.90 (12.20 x 2.10 x 1.80)	*7 055 (3 200)

* Individual weight of rear pendant link: 795 lbs. (360 kg)

dimensions

Lattice boom extension combinations

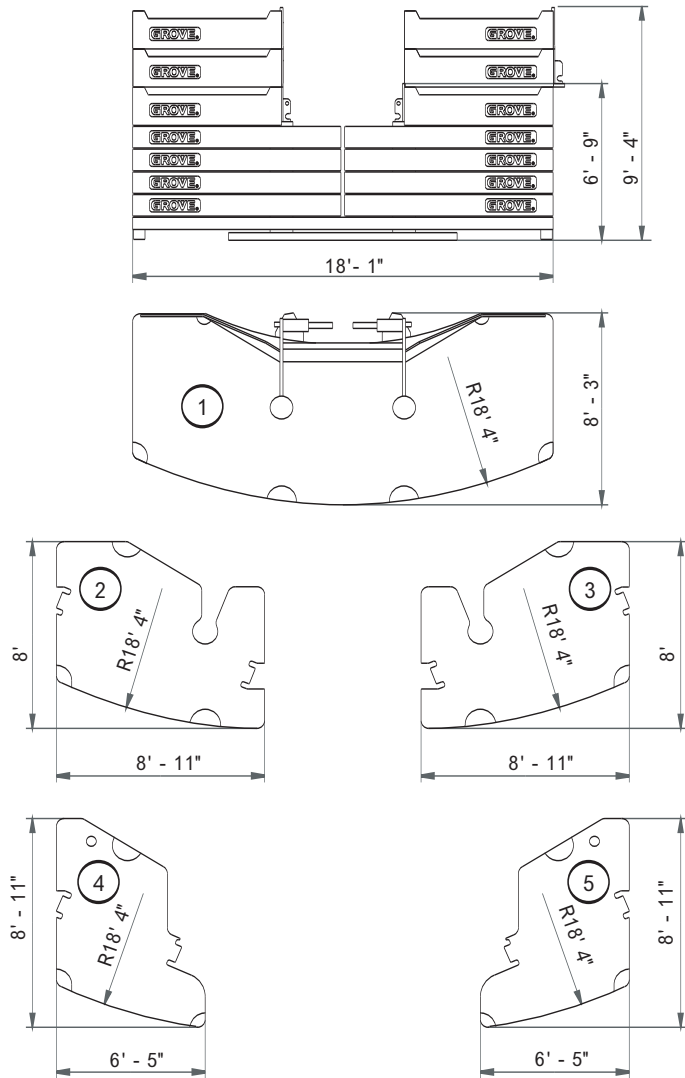
without angle offset



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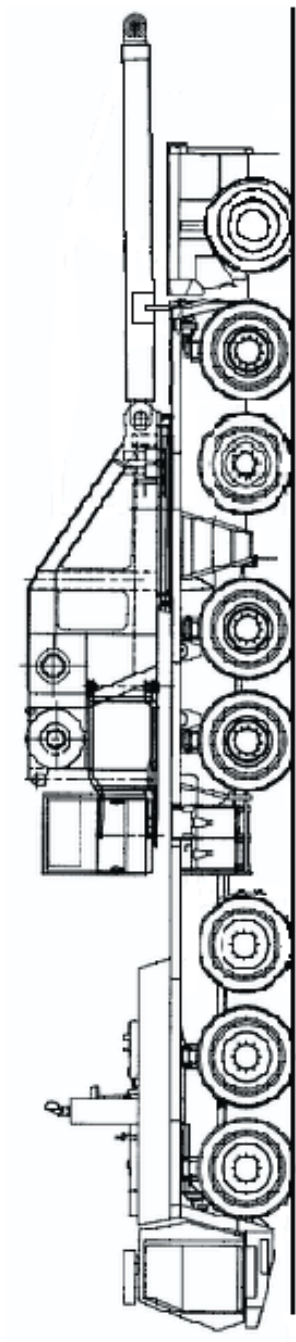
counterweight

264,500 lbs.



	1	2	3	4	5
Thousand lbs.	44.0	22.0	22.0	22.0	22.0
44.0	x				
88.1	x	x	x		
132.2	x	2 x	2 x		
176	x	3 x	3 x		
220.4	x	4 x	4 x		
264.5	x	4 x	4 x	x	x
308.6	x	4 x	4 x	2 x	2 x
352.7	x	4 x	4 x	3 x	3 x

Weight Proposal Spring/Ban Season



5'-5"	5'-5"	9'-10"	5'-5"	8'-0.5"	5'-5"	6'-2"
(1650)	(1650)	(3000)	(1650)	(2450)	(1650)	(1880)

Front 3 Axles
20471 kg
6824 kg/Axle

Rear 5 Axles
33462 kg
6692 kg/Axle

Unit equipped as follows:

Rear outrigger box and boom removed, tag axle, superstructure to rear

20.5" tires on aluminum rims--axles 1 through 8

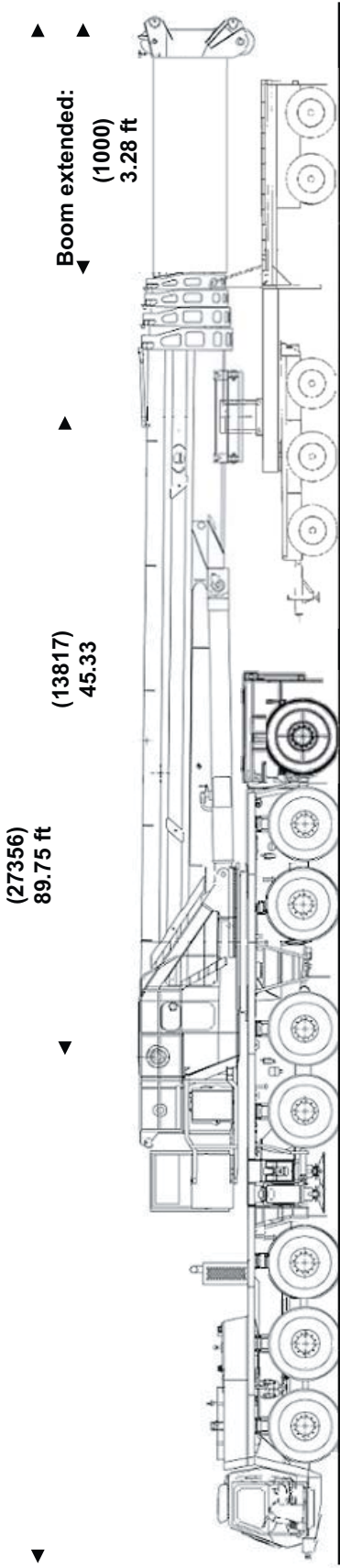
Operator, 75 kg.

Total GVW: 53934 kg / 118,902 lb

Axle loads < 7500 kg

Allow 3% variation in weight due to manufacturing tolerances

Weight Proposal
Post Thaw/Ban Season I



5'-5"	5'-5"	9'-10"	5'-5"	8'-0.5"	5'-5"	6'-2"	13'-10"	5'-0"	5'-0"	13'-10"	4'-6"
(1650)	(1650)	(3000)	(1650)	(2450)	(1650)	(1880)	(4216)	(1524)	(1524)	(4216)	(1372)
Front 3 Axles			Rear 5 Axles			Front bogie			Rear axles		
26424 kg			38738 kg			22752 kg			8495 kg*		
8808 kg/Axle			7748 kg/Axle			7584 kg/Axle			4248 kg/Axle		
						Dolly total					
						36946 kg					

Unit equipped as follows:

Rear outrigger box removed, tag axle

20.5" tires on aluminum rims--axles 1 through 8

5 axle dolly (19,500 lb / 8845 kg.)

Operator, 75 kg.

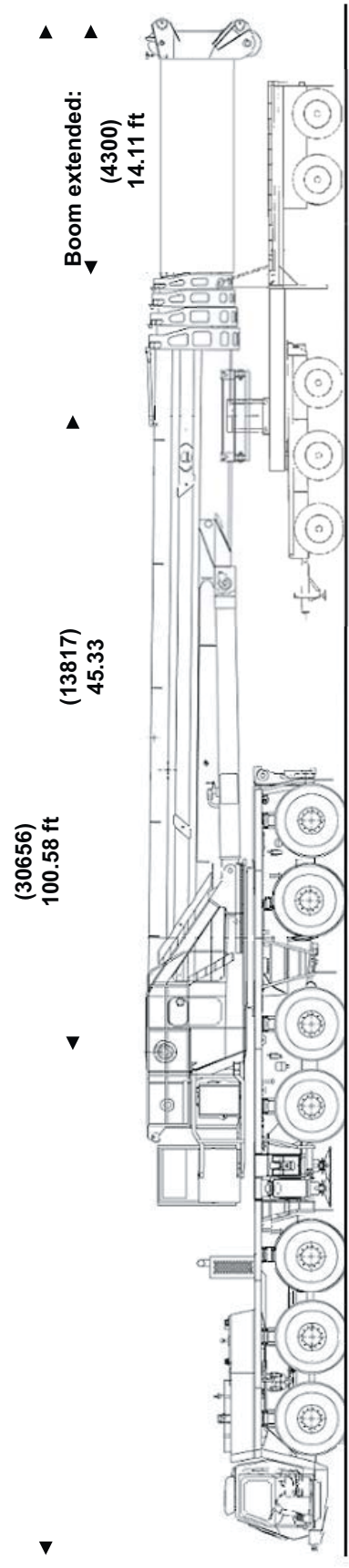
Total GVW: 96409 kg

Axle loads on crane < 8890 kg
Dolly Tridem* < 26000 kg
Dolly Tandem* < 19000 kg
* 10500 kg available for counterweight or ROB
& 3250 kg available for hookblock

Allow 3% variation in weight due to manufacturing tolerances

Weight Proposal

Summer/Fall Season I



5'-5" (1650)	5'-5" (1650)	9'-10" (3000)	5'-5" (1650)	8'-0.5" (2450)	5'-5" (1650)	20' (6096)	5'-0" (1524)	5'-0" (1524)	13'-10" (4216)	4'-6" (1372)
Front 3 Axles			Rear 4 Axles				Front bogie		Rear axles	
20472 kg			36859 kg				26943 kg		9799 kg*	
6824 kg/Axle			9215 kg/Axle				8981 kg/Axle		4899 kg/Axle	
								Dolly total		
								36946 kg		

Unit equipped as follows:

Rear outrigger box removed

20.5" tires on aluminum rims--axles 1 through 8

5 axle dolly (19,500 lb / 8845 kg.)

Operator, 75 kg.

Total GVW: 96409 kg

Axle loads on crane < 9260 kg

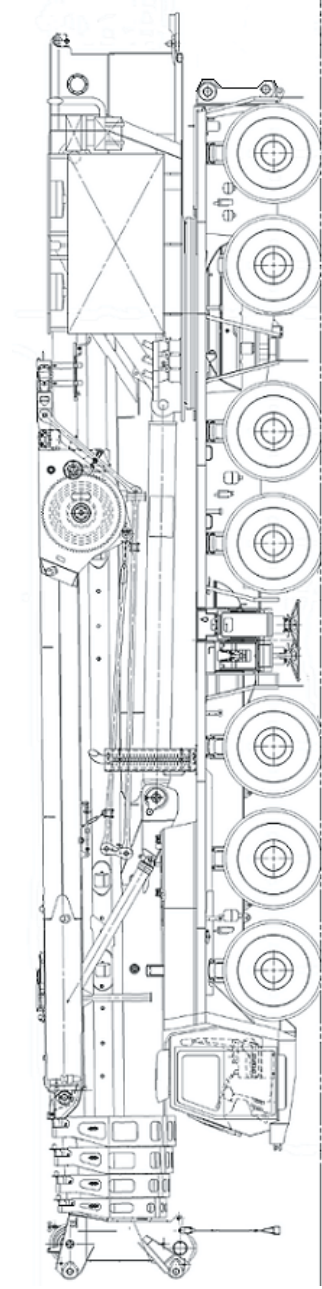
Dolly Tridem < 27000 kg

Dolly Tandem* < 21/23000 kg

* 11/13200 kg available for counterweight or ROB

Allow 3% variation in weight due to manufacturing tolerances

Weight Proposal
Winter Season



5'-5"	5'-5"	9'-10"	5'-5"	8'-0.5"	5'-5"
(1650)	(1650)	(3000)	(1650)	(2450)	(1650)

Front 3 Axles
37658 kg
12553 kg/Axle

Rear 4 Axles
47680 kg
11920 kg/Axle

Unit equipped as follows:

Rear outrigger box removed, rear bumper

20.5" tires on aluminum rims--axles 1 through 8

Operator, 75 kg.

Total GVW: 85338 kg / 188,136 lb

Axle loads < 12500 kg

Allow 3% variation in weight due to manufacturing tolerances