



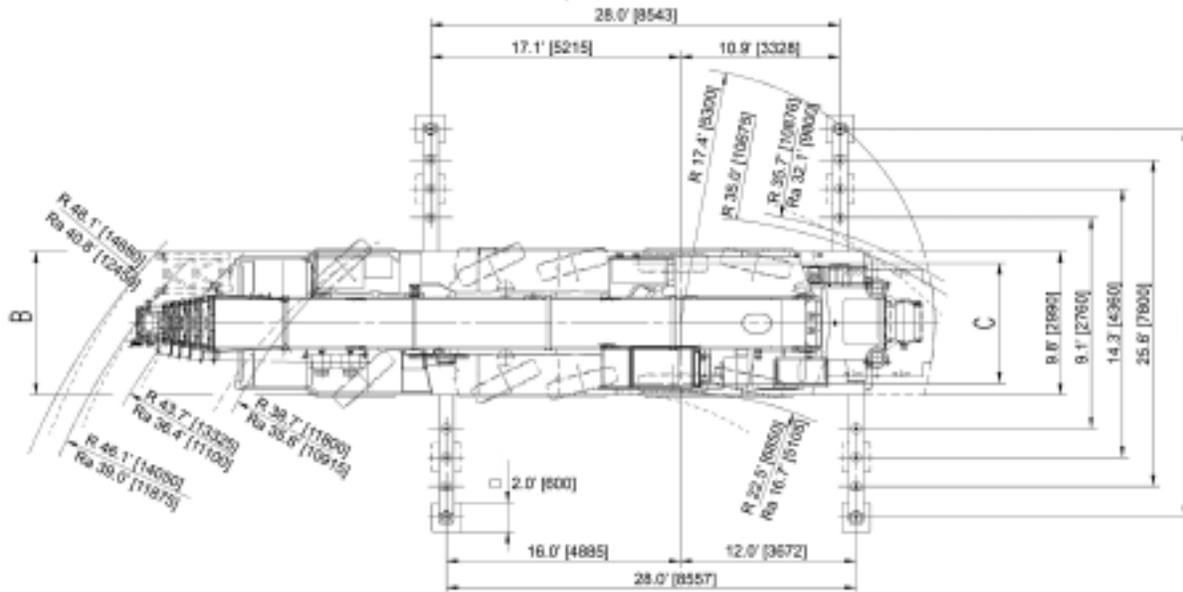
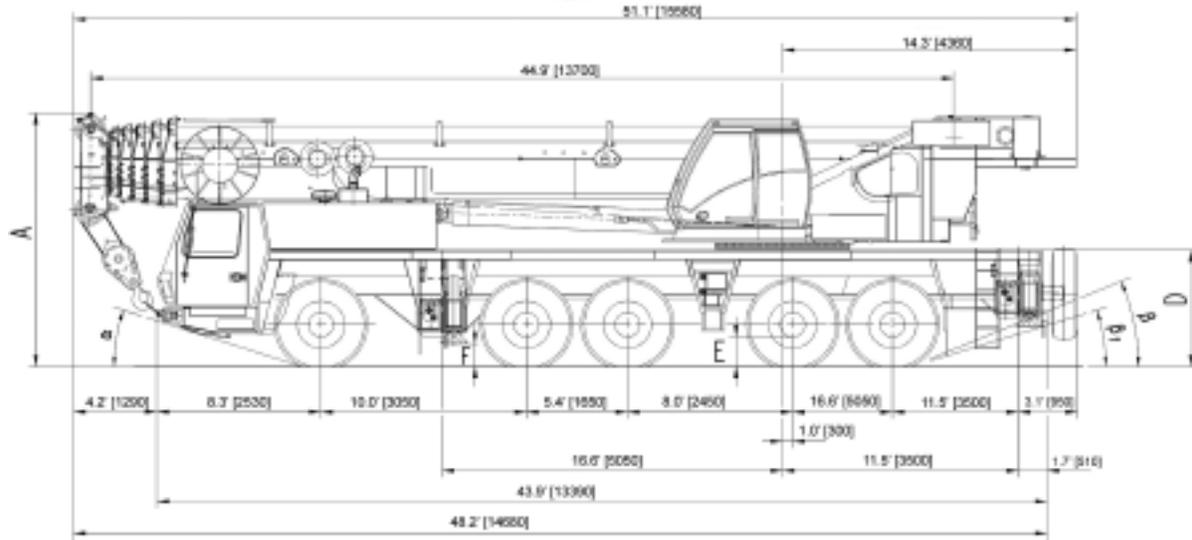
TRANSPORTATION SPECS - All Terrain Cranes

GROVE MODEL GMK5225 - 225 TON CAPACITY

<u>COMPONENT WEIGHTS</u>	<u>LB.</u>	<u>KGS.</u>			
Complete Crane c/w Full Counterweight, Swing Jib, Block and Ball					
Main Unit c/w Cwt #6 & #7	132,276	60 000			
Counterweights					
1- Base Plate	24,250	11 000			
2 – Plate	22,046	10 000			
3 – Plate	22,046	10 000			
4 – Plate	22,046	10 000			
5 – Plate	22,046	10 000			
6 - Auxiliary Winch & Cast Steel Fixed on Turntable	4,409	2 000			
Total Counterweight	116,843	53 000			
Boom Dolly Nelson CBC50RT - Tire Size 11R22.5	8,500	3 856			
<u>ADDITIONAL WEIGHTS</u>					
165t – 7 Sheave Block	3,851	1 747			
80t – 5 Sheave Block	2,127	965			
20t – Single Sheave Block	1,344	610			
19t – Ball	1,202	545			
Hydraulic Swingaway Jib 36' – 59'	5,512	2 500			
Jib Insert 26'	1,350	612			
Jib Insert 26'	1,350	612			
4 – 5' x 7' Steel Mats	6,000	2 721			
4 – Steel Pads ea.	110	50			
Front and Rear Outrigger Pads (4)	441	200			
Tire Size 20.5R25					

STERLING CRANE

dimensions

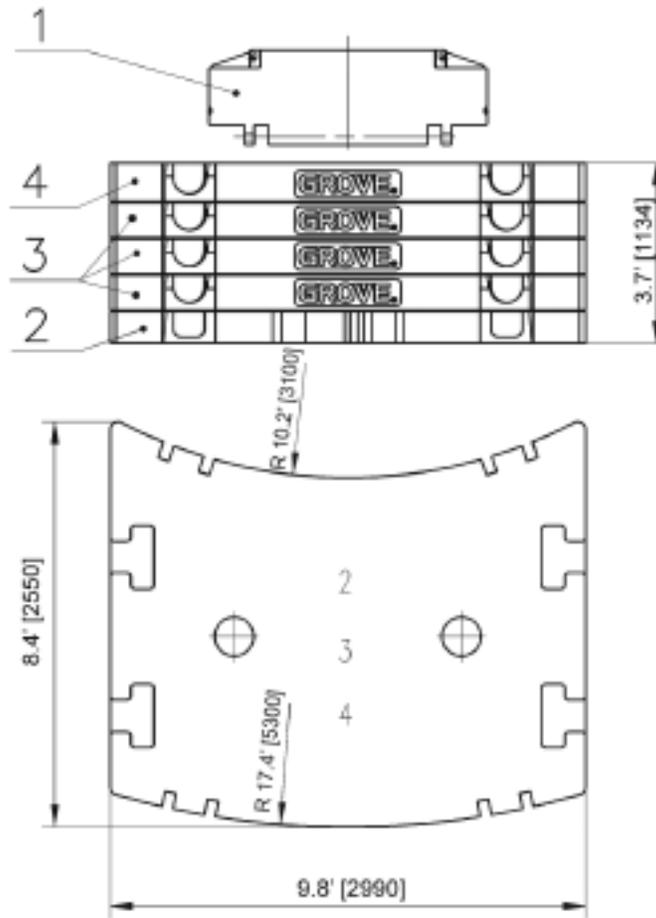


	A	A 5.4 in (130 mm)*	B	C	D	E	F	α	β	β1
14.00 R25	13.0 (3950)	12.5 (3820)	9.8 (3000)	8.4 (2548)	5.8 (1760)	1.3 (400)	.08 (244)	18°	23°	17°
16.00 R25	13.1 (4000)	12.7 (3870)	9.8 (3000)	8.2 (2486)	5.9 (1810)	1.5 (450)	1.0 (295)	20°	25°	19°
20.5 R25	13.1 (4000)	12.7 (3870)	10.2 (3110)	8.2 (2507)	5.9 (1810)	1.5 (450)	1.0 (295)	20°	25°	19°

Ra = Radius all wheels steered
*Lowered

STERLING CRANE

counterweight



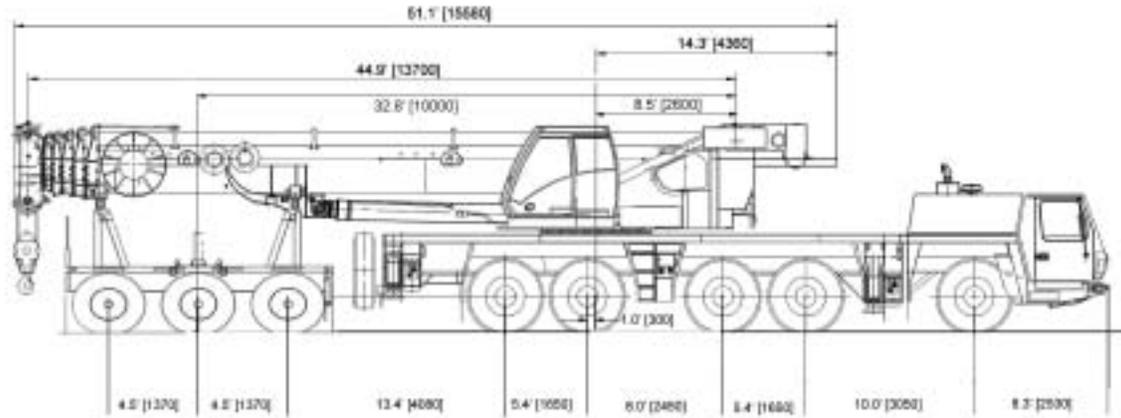
- 1. 4,409 lb. (2 000 kg.) Bolted (Auxiliary Hoist or IPO)
- 2. 24,251 lb. (11 000 kg.) Baseplate
- 3. 22 046 lb. (10 000 kg.) Stacking
- 4. 22,046 lb. (10 000 kg.) Stacking

	1	2	3	4
Counterweight Configuration lb.(kg.)				
4,409 (2 000)	●			
28,660 (13 000)	●	●		
50,706 (23 000)	●	●	●	
72,753 (33 000)	●	●	2●	
94,799 (43 000)	●	●	3●	
116,845 (53 000)	●	●	3●	●

STERLING CRANE

weight proposal

Trailing Boom (Mercedes)



Dolly
42,396 lb.
(19 231 kg)

2 Rear Axles
44,455 lb.
(20 165 kg)

3 Front Axles
53,347 lb.
(24 198 kg)

Unit Configuration:

45' – 210' boom

36 – 59 ft. hydraulic luffing swingaway

Outrigger pads stowed on unit

Additional oil cooler

10 X 8 X 10 drive/steer

20.5 tires

Main and auxiliary hoists with cable

3 axle boom dolly (5,700 lb. / 3 050 kg)

Boom over front (Mercedes)

Basic Weights - lbs (kg)	Axles 1 - 3		Axles 4 & 5		Total	
Mercedes power, 16.00R25 tires, 10x6x10 drive/steer, 2nd oil cooler, outrigger pads, auxiliary hoist, driver and tanks filled	71,910	(32 618)	55,844	(25 330)	127,754	(57 948)
Additions:						
10x8x10 drive/steer	744	(337)	83	(38)	827	(375)
Electric driveline retarder	115	(52)	-26	(-12)	88	(40)
Spare wheel 14.00 R25 XGC steel rim with stowage	-320	(-145)	891	(404)	571	(259)
Spare wheel 16.00 R25 XGC steel rim with stowage	-395	(-179)	1,098	(498)	703	(319)
Spare wheel 20.5 R25 XGC steel rim with stowage	-448	(-203)	1,246	(565)	798	(362)
Brackets for hydraulic swingaway	207	(94)	-28	(-13)	179	(81)
Hose reel + parts for hydraulic swingaway	97	(44)	366	(166)	463	(210)
36 ft. - 59 ft. (11-18m) hydraulic swingaway	4,315	(1 957)	-1008	(-457)	3,307	(1 500)
Auxiliary boom nose	334	(152)	-180	(-82)	154	(70)
5,500 lb. (11,000 kg) section 2 stowed on carrier	23,394	(10 611)	746	(339)	24,141	(10 950)
Substitutions:						
14.00R25 tires	-794	(-360)	-529	(-240)	-1,323	(-600)
20.5R25 tires	569	(258)	379	(172)	948	(430)
Removals:						
Boom assembly w/o lift cylinder	-38,863	(-17 825)	-2,121	(-962)	-40,984	(-18 590)
Front outriggers	-4,545	(-2 062)	577	(262)	-3,968	(-1 800)
Rear outriggers	2,078	(943)	-6,796	(-3 083)	-4,718	(-2 140)
Front and rear outrigger floats	-155	(-70)	-286	(-130)	-441	(-200)