

GROVE

INDUSTRIAL MODEL 24



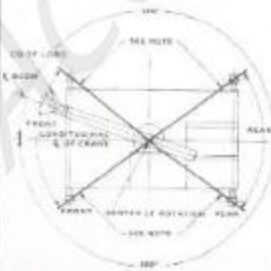
WEIGHT REDUCTION FOR LOAD HANDLING DEVICES

10 ft. BOOM EXTENSION WITH 9 - 25 FT. ROOM	
STOWED	89 lbs.
ERECTED	830 lbs.
HOOK BLOCK	119 lbs.
(Hooktop 421)	470 lbs.

NOTE: All load handling devices and boom attachments are considered part of the load and suitable allowances must be made for their combined weight. WEIGHTS ARE FOR GROVE (FURNISHED) EQUIPMENT.

LIFTING AREA DIAGRAMS

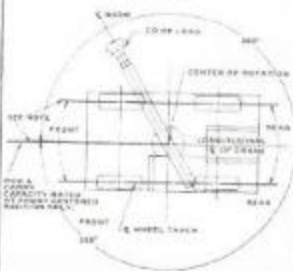
ON OUTRIGGERS FULLY EXTENDED



NOTE: SOLID LINES DETERMINE THE LIMITING POSITION OF ANY LOAD FOR OPERATION WITH RIGGING AREAS INDICATED.

CR-679-082111

ON RUBBER



MAX. & MIN. CAPACITY BASED ON WINDY SYSTEMS RIGGING PERM.

NOTE: SOLID LINES DETERMINE THE LIMITING POSITION OF ANY LOAD FOR OPERATION WITH RIGGING AREAS INDICATED.

CR-629-082114

GROVE®

FULL HYDRAULIC SELF-PROPELLED CRANE

INDUSTRIAL MODEL 24 YARD CRANE

8-TON CAPACITY

9 ft., 20 ft. BOOM and 10 ft. EXTENSION

35% OF TIPPING

RATED LIFTING CAPACITIES IN POUNDS

ON OUTRIGGERS FULLY EXTENDED

RADIUS IN FEET	9-26 FT. BOOM		12 FT. BOOM EXTENSION	
	FRONT & REAR (DEFINED AREA)	340°	FRONT & REAR (DEFINED AREA)	340°
5	112,000	112,000		
6	111,000	110,000	5,700	5,000
7	110,000	108,000	4,700	4,150
8	109,000	106,000	3,700	3,200
9	108,000	104,000	2,700	2,300
10	107,000	102,000	1,700	1,400
11	106,000	100,000	700	600
12	105,000	98,000		
13	104,000	96,000		
14	103,000	94,000		
15	102,000	92,000		
16	101,000	90,000		
17	100,000	88,000		
18	99,000	86,000		
19	98,000	84,000		
20	97,000	82,000		
21	96,000	80,000		
22	95,000	78,000		
23	94,000	76,000		
24	93,000	74,000		
25	92,000	72,000		
26	91,000	70,000		
27.5	90,000	68,000		

AS PERMITTED

Crane's rated capacity shall not be exceeded on machinery strength and loading should not be rated above 34° safety margin.

Capacity do not exceed 85% of tipping limits as determined by SAC recommended test code (SAC J 705).

*12 ft. maximum portable boom length.

*12 ft. 6 in. maximum portable boom length.

ON RUBBER CAPACITIES

RADIUS IN FEET	9-26 FT. BOOM		10 FT. BOOM EXTENSION	
	FRONT & REAR (DEFINED AREA)	340°	FRONT & REAR BOOM FRONT CENTERED	FRONT & REAR (DEFINED AREA)
6	10,600	7,440	4,000	
8	8,400	6,000	3,000	2,100
10	6,400	4,700	2,000	1,400
12	4,700	3,400	1,000	700
14	3,300	2,400	500	350
16	2,300	1,700	300	200
18	1,600	1,200	150	100
20	1,100	850	100	70
22	750	600	50	35
24	550	450	30	20
26	400	300	20	15
27.5	300	200	15	10

AS PERMITTED

*11,000 lbs. with outrigger down. Carried from Capacity appearing above 340° line are based on machinery strength and tipping should not be exceeded above 34° safety margin.

On rubber capacities listed on 1000 lbs. (4.5 ton) rated industrial service line and 50 PSI low inflation pressures.

Pin and carry capacities rated at 2.5 MPH MAXIMUM with boom extended over the full length of the chassis. Always weigh practical on a level level surface. Pick up carry loads are allowed on main boom only - with or without outrigger but always to match with boom assembly design and main boom capacity.

NOTES FOR LIFTING CAPACITIES

- Rated lifting capacities are based on freely suspended loads. They are the maximum covered by the manufacturer's warranty with the machine leveled and standing on a firm supporting surface. Ratings with outriggers are based on outriggers being extended to their maximum position.
- Machine working loads for each particular job shall be restricted by the user depending on operating conditions including the supporting surface, wind and other factors affecting stability, hazardous surroundings, condition of personnel, loading of load, etc.
- Operating radius is the horizontal distance from the axis of rotation to the centerline of the hoist line or tackle with load applied.
- "On Rubber" lifting (if permitted) depends on proper tire inflation, pressure, and condition. "On Rubber" loads may be transferred at maximum service speed of 2.5 MPH, 4 km/h, on a smooth and level surface only.
- Boom extension may be used for lifting crane service only. Rubber extension capacities are based on structural

LOAD DISTRIBUTION CHART FOR CARRY DECK

