

SAFE LOAD CHART
 PETTIBONE MODEL 60 S.C. 35'-84' BOOM
 BASED ON 85% OF TIPPING
 AND BEAM-TYPE OUTRIGGERS (18' SPREAD)

RADIUS IN FEET	RATED LOADS - ON OUTRIGGERS											
	BOOM LENGTH											
	36 FT.			44 FT.			52 FT.			60 FT.		
	Angle	Front	360°	Angle	Front	360°	Angle	Front	360°	Angle	Front	360°
10	68°	60,000	60,000	72°	60,000	60,000						
12	65°	60,000	60,000	70°	60,000	60,000	73°	53,200	53,200			
15	60°	50,000	50,000	66°	50,000	50,000	70°	47,500	47,500	72°	39,800	39,800
20	50°	37,500	37,500	58°	37,500	37,500	64°	37,500	37,500	67°	33,600	33,600
25	38°	30,000	30,000	50°	30,000	30,000	57°	30,000	30,000	62°	29,500	29,500
30	23°	25,000	21,000	41°	25,000	21,000	50°	25,000	21,000	56°	25,000	21,000
35				30°	21,400	15,500	43°	21,400	15,500	50°	21,400	15,500
40				12°	18,000	12,000	34°	18,000	12,000	44°	18,000	12,000
45							22°	14,600	9,600	37°	14,600	9,600
50										28°	12,250	8,000
55										15°	10,300	6,300

CAPACITIES ABOVE VOLD LINES INDICATE RATINGS OTHER THAN TIPPING.

RADIUS OF LOAD IS THE HORIZONTAL DISTANCE FROM A PROJECTION OF AXIS OF ROTATION BEFORE LOADING, TO THE CENTER OF VERTICAL HOIST LINE OR TACKLE WITH LOAD APPLIED.

BOOM LENGTH IS MEASURED FROM CENTERLINE OF BOOM PIVOT PIN TO CENTERLINE OF BOOM POINT SHEAVE ALONG THE LONGITUDINAL AXIS OF THE BOOM.

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RADIUS IN FEET	RATED LOADS - ON OUTRIGGERS											
	BOOM LENGTH											
	68 FT.			76 FT.			84 FT.					
	Angle	Front	360°	Angle	Front	360°	Angle	Front	360°	Angle	Front	360°
15	74°	32,500	32,500									
20	70°	28,300	28,300	72°	23,200	23,200	74°	18,700	18,700			
25	66°	24,800	24,800	68°	20,700	20,700	70°	17,100	17,100			
30	61°	22,400	22,400	64°	18,500	18,500	67°	15,100	15,100			
35	56°	20,200	15,500	60°	17,000	15,500	63°	13,900	13,900			
40	51°	18,000	12,000	55°	15,300	12,000	59°	12,900	12,000			
45	45°	14,600	9,600	51°	14,200	9,600	55°	11,900	9,600			
50	39°	12,250	8,000	46°	12,250	8,000	51°	11,600	8,000			
55	31°	10,300	6,300	40°	10,300	6,300	46°	10,300	6,300			
60	22°	8,600	5,000	34°	8,100	5,000	41°	8,600	5,000			
65	0°	7,100	3,900	26°	7,100	3,900	36°	7,100	3,900			
70				16°	5,600	3,100	30°	5,600	3,100			
75							22°	4,700	2,400			
80							9°	4,000	1,800			

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BOOM LENGTH IS MEASURED FROM CENTERLINE OF BOOM PIVOT PIN TO CENTERLINE OF BOOM POINT SHEAVE ALONG THE LONGITUDINAL AXIS OF THE BOOM.

RATED CAPACITIES - 20' FOLDING JIB		
360° ROTATION - ON OUTRIGGERS		
MAIN BOOM ANGLE	ALL SECTIONS FULLY EXTENDED	
	0° OFFSET	30° OFFSET (MAX.)
75°	10,000	7,000
70°	10,000	6,500
65°	9,000	6,000
60°	8,000	5,700
55°	7,000	5,500
50°	5,700	5,000
45°	4,800	4,300

20' FOLDING JIB.....1250 LBS.

NOTES FOR JIB CAPACITIES

SET UP

1. FULLY EXTEND OUTRIGGERS AND LEVEL CRANE TURNTABLE.
2. ERECT THE 20' JIB IN THIS SEQUENCE TO PREVENT TIPPING.
See Operator's Manual for procedure.
 - a. POSITION FULLY RETRACTED BOOM OVER FRONT OF CRANE.
 - b. ERECT 20' JIB.

OPERATION

1. OPERATE JIB BY BOOM ANGLE ONLY. CAPACITIES ARE BASED ON STRUCTURAL STRENGTH AT THE MAIN BOOM ANGLES GIVEN REGARDLESS OF MAIN BOOM LENGTH.
2. JIB CAPACITIES ARE BASED ON SINGLE LINE OPERATION. USE OF TWO PART LINE VOIDS WARRANTY.
3. RATED CAPACITIES SHOWN SHOULD NOT BE EXCEEDED SINCE TIPPING WITH JIB ERECTED OCCURS RAPIDLY AND WITHOUT WARNING.
4. OPERATING RADIUS OF JIB MAY NOT EXCEED LENGTH OF MAIN BOOM.
5. TO LOWER BOOM TO GROUND, FULLY RETRACT THE POWERED BOOM SECTION.

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ON RUBBER		
RADIUS IN FEET	FRONT	260°
10	60,000	33,000
12	50,000	29,000
15	40,000	20,100
20	26,200	12,400
25	17,900	7,800
30	12,900	5,000
35	9,500	3,000
40	6,700	1,400
45	4,800	
50	3,300	
55	2,200	
60	1,400	
65	900	

HOIST REEVING			
PARTS LINE	MAXIMUM LOAD	PARTS LINE	MAXIMUM LOAD
1	10,000	4	40,000
2	20,000	5	50,000
3	30,000	6	60,000

ON RUBBER CAPACITIES ARE BASED ON MINIMUM BOOM LENGTHS.

CHART BASED ON 26.5 x 25 (26 PLY) TIRES AND COLD INFLATION PRESSURE FOR STATIC RATING.

B-25800-465