



# TMS250A

## 25 TON CAPACITY

### 32 ft. - 106 ft. BOOM

(FULL POWER)  
PCSA CLASS 10-81  
85% OF TIPPING

#### RATED LIFTING CAPACITIES IN POUNDS

##### 32 ft. - 106 ft. BOOM

#### ON OUTRIGGERS FULLY EXTENDED - OVER SIDE

Radius in Feet	Main Boom Length in Feet									26 ft. Ext. & 80 ft. (2° Offset)	26-46 ft. Tele. Ext. & 80 ft. (2° Offset)		
	*32	38	44	50	56	62	68	74	80	**106	**106	**126	
10	50,000 (64)	50,000 (68)	50,000 (72)										
12	46,000 (60)	46,000 (65)	46,000 (69)	44,900 (72)	40,500 (74.5)								
15	42,000 (53.5)	42,000 (59.5)	42,000 (64.5)	40,200 (68.5)	36,000 (71)	28,200 (72.5)	26,000 (74.5)						
20	30,000 (41.5)	30,000 (50.5)	30,000 (57)	30,000 (62)	30,000 (65.5)	24,500 (67.5)	23,000 (70)	21,500 (72.5)	20,000 (73.5)				
25	20,480 (24.5)	20,480 (39.5)	20,480 (48.5)	20,480 (55)	20,480 (59.5)	20,480 (62.5)	18,500 (65.5)	18,200 (68)	17,500 (69.5)	10,000 (75)	9,370 (75)		
30		14,070 (25)	14,070 (39)	14,070 (47)	14,070 (53)	14,070 (57)	14,070 (60.5)	14,070 (63.5)	14,070 (65.5)	9,550 (73)	8,950 (73)		
35			10,240 (26.5)	10,240 (38.5)	10,240 (46)	10,240 (51)	10,240 (55.5)	10,240 (59)	10,240 (61.5)	8,360 (70)	7,760 (70)	3,250 (74.5)	
40				8,100 (27.5)	8,100 (38)	8,100 (44.5)	8,100 (50)	8,100 (54.5)	8,100 (57)	7,410 (67)	6,810 (67)	3,080 (72.5)	
45				6,420 (6.5)	6,420 (28)	6,420 (37.5)	6,420 (44)	6,420 (49)	6,420 (52.5)	6,630 (63.5)	6,030 (64)	2,920 (70)	
50					4,970 (13)	4,970 (29)	4,970 (37.5)	4,970 (43.5)	4,970 (48)	5,980 (60.5)	5,380 (60.5)	2,760 (67.5)	
55						3,810 (16.5)	3,810 (29.5)	3,810 (37.5)	3,810 (42.5)	5,180 (57.5)	4,780 (57.5)	2,600 (65)	
60							2,980 (18.5)	2,980 (30)	2,980 (36.5)	4,040 (54)	3,670 (54)	2,450 (62.5)	
65								2,250 (20.5)	2,250 (30)	3,240 (50.5)	2,840 (50.5)	2,320 (59.5)	
70									1,750 (21)	2,580 (46.5)	2,070 (46.5)	2,200 (57)	
74									1,500 (10.5)	2,120 (43.5)	1,620 (43.5)	2,120 (54.5)	
80										1,580 (38)	1,070 (38)	2,010 (51)	
85										1,170 (33.5)		1,620 (48)	
90												1,230 (45)	
Minimum Boom Angle for Indicated Boom Length (No Load)										0°	5°	35°	40°
Maximum Boom Length (feet) at 0° Boom Angle (No Load)										80	105	86	96

A6-829-002991A & -002997A  
& -003730A

**NOTES:**

Capacities appearing above bold line are based on structural strength and tipping should not be relied upon as a capacity limitation. Capacities do not exceed 85% of tipping loads as determined by test in accordance with SAE J-765.

\*Capacities for 32 ft. boom length shall be lifted with boom fully retracted. If the boom is not fully retracted, capacities shall not exceed those shown for the 38 ft. boom length.

\*\*For boom lengths less than fully extended while boom extension is erected, the rated loads are determined by boom angle:

a. For 26 ft. boom ext., use only the column headed by 106 ft. boom.

b. For 26 ft. boom ext. and 22 ft. jib combination, see note No. 1 on jib capacity chart A6-829-003726.

For boom angles not shown, use rating of next lower boom angle.

Boom angle is the included angle between horizontal and the longitudinal axis of the boom base section after lifting rated load.

Radius in Feet		
	*32	
10	50,000 (64)	50,000 (64)
12	46,000 (60)	46,000 (60)
15	42,000 (53.5)	42,000 (53.5)
20	30,000 (41.5)	30,000 (41.5)
25	22,700 (24.5)	22,700 (24.5)
30		17,000 (17)
35		12,000 (12)
40		
45		
50		
55		
60		
65		
70		
74		
80		
85		
90		
95		
100		
105		
110		
115		
120		
Minimum Boom Angle		
Maximum Boom Length		

A  
CAPACITY  
BOOM

# GROVE®

## FULL HYDRAULIC

# CARRIER-MOUNTED CRANE

PACITIES IN POUNDS

6 ft. BOOM

### ON OUTRIGGERS FULLY EXTENDED - OVER REAR

Radius in Feet	Main Boom Length in Feet									26 ft. Ext. & 80 ft. (2° Offset)	26-46 ft. Tele. Ext. & 80 ft. (2° Offset)		
	*32	38	44	50	56	62	68	74	80		**106	**106	**126
10	50,000 (64)	50,000 (68)	50,000 (72)										
12	46,000 (60)	46,000 (65)	46,000 (69)	44,900 (72)	40,500 (74.5)								
15	42,000 (53.5)	42,000 (59.5)	42,000 (64.5)	40,200 (68.5)	36,000 (71)	28,200 (72.5)	26,000 (74.5)						
20	30,000 (41.5)	30,000 (50.5)	30,000 (57)	30,000 (62)	30,000 (65.5)	24,500 (67.5)	23,000 (70)	21,500 (72.5)	20,000 (73.5)				
25	22,700 (24.5)	22,700 (39.5)	22,700 (48.5)	22,700 (55)	22,700 (59.5)	20,800 (62.5)	18,500 (65.5)	18,200 (68)	17,500 (69.5)	10,000 (75)	9,370 (75)		
30		17,800 (25)	17,800 (39)	17,800 (47)	17,800 (53)	17,400 (57)	16,100 (60.5)	15,800 (63.5)	14,900 (65.5)	9,550 (73)	8,950 (73)		
35			14,400 (26.5)	14,400 (38.5)	14,400 (46)	14,400 (51)	14,200 (55.5)	13,700 (59)	12,900 (61.5)	8,360 (70)	7,760 (70)	3,250 (74.5)	
40				11,620 (27.5)	11,620 (38)	11,620 (44.5)	11,620 (50)	11,620 (54.5)	11,400 (57)	7,410 (67)	6,810 (67)	3,080 (72.5)	
45					9,490 (28)	9,490 (37.5)	9,490 (44)	9,490 (49)	9,490 (52.5)	6,630 (63.5)	6,030 (64)	2,920 (70)	
50					7,940 (13)	7,940 (29)	7,940 (37.5)	7,940 (43.5)	7,940 (48)	5,980 (60.5)	5,380 (60.5)	2,760 (67.5)	
55						6,720 (16.5)	6,720 (29.5)	6,720 (37.5)	6,720 (42.5)	5,430 (57.5)	4,820 (57.5)	2,600 (65)	
60							5,860 (18.5)	5,860 (30)	5,860 (36.5)	4,960 (54)	4,350 (54)	2,450 (62.5)	
65								4,920 (20.5)	4,920 (30)	4,550 (50.5)	3,940 (50.5)	2,320 (59.5)	
70									4,270 (21)	4,200 (46.5)	3,590 (46.5)	2,200 (57)	
74									3,940 (10.5)	3,940 (43.5)	3,330 (43.5)	2,120 (54.5)	
80										3,570 (38)	3,000 (38)	2,010 (51)	
85										3,100 (33.5)	2,580 (33.5)	1,920 (48)	
90										2,660 (27.5)	2,140 (27.5)	1,850 (45)	
95										2,240 (20.5)	1,730 (21)	1,780 (41.5)	
100										1,880 (8.5)	1,330 (10.5)	1,720 (37.5)	
105												1,670 (33)	
110												1,620 (28)	
115												1,320 (22)	
120												1,060 (12)	
Minimum Boom Angle or Indicated Boom Length (No Load)										2°	3°	4°	5°
Maximum Boom Length (feet) at 0° Boom Angle (No Load)										79	105.5	105.5	125