



# HC-238 MAXIMUM ALLOWABLE CAPACITIES

PCSA CLASS (12 - 568)

SERIAL NO.

22G1-836A

115 TON TRUCK CRANE EQUIPPED WITH TUBULAR BOOM

(Refer to ALL notes at bottom)

BOOM			CAPACITIES			
Lgth.	Rad.	Angle	ON OUTRIGGERS		ON TIRES	
			Rear	Side	Rear	Side
12'	80.2°	230,000*	230,000*	123,600*	77,800*	
13'	79.0°	216,000*	216,000*	113,100*	73,000*	
14'	77.9°	202,000*	202,000*	104,900*	68,700*	
15'	76.7°	190,000*	190,000*	98,000*	64,800*	
20'	70.7°	145,700*	145,700*	73,700*	50,200*	
25'	64.5°	117,400*	117,400*	55,000*	40,500*	
30'	58.0°	95,100*	95,100*	43,400*	33,600*	
35'	50.9°	77,400*	77,400*	35,500*	27,800*	
40'	43.1°	63,400*	63,400*	29,700*	23,000*	
50'	21.6°	45,800*	45,800*	21,700*	16,300*	
13'	80.9°	216,000*	216,000*	110,000*	73,100*	
14'	79.9°	203,000*	203,000*	104,800*	68,800*	
15'	78.9°	190,000*	190,000*	100,400*	65,000*	
20'	74.0°	145,900*	145,900*	74,700*	50,400*	
25'	69.0°	117,600*	117,600*	55,400*	40,700*	
30'	63.8°	95,600*	95,600*	43,800*	33,800*	
35'	58.3°	78,000*	78,000*	35,800*	28,200*	
40'	52.3°	64,000*	64,000*	30,100*	23,400*	
50'	29.2°	46,400*	46,400*	22,200*	16,800*	
60'	19.7°	35,700*	35,700*	17,000*	12,500*	
13'	80.5°	191,800*	191,800*	111,000*	65,800*	
20'	76.4°	146,700*	146,700*	75,300*	51,000*	
25'	72.1°	118,300*	118,300*	56,300*	41,800*	
30'	67.8°	96,800*	96,800*	44,500*	34,300*	
40'	53.3°	78,900*	78,900*	36,800*	28,900*	
50'	48.4°	64,000*	64,000*	30,600*	24,000*	
60'	38.2°	47,000*	47,000*	25,700*	19,300*	
70'	31.2°	39,000*	39,000*	21,000*	15,600*	
20'	78.1°	146,600*	146,600*	75,500*	50,700*	
25'	74.2°	118,200*	118,200*	56,400*	41,200*	
30'	70.3°	96,700*	96,700*	44,600*	34,200*	
40'	55.8°	78,800*	78,800*	36,900*	28,800*	
50'	45.1°	64,200*	64,200*	30,700*	24,000*	
60'	35.5°	47,200*	47,200*	22,800*	17,400*	
70'	28.1°	39,200*	39,200*	17,600*	13,100*	
80'	21.9°	31,200*	31,200*	13,900*	10,100*	
90'	17.0°	24,900*	24,900*	11,100*	7,800*	
20'	78.4°	146,600*	146,600*	75,500*	50,700*	
25'	76.2°	118,200*	118,200*	56,400*	41,000*	
30'	72.9°	96,300*	96,300*	44,600*	34,100*	
35'	69.5°	79,300*	79,300*	36,500*	28,900*	
40'	66.1°	65,100*	65,100*	30,700*	24,000*	
50'	58.9°	47,300*	47,300*	22,700*	17,400*	
60'	51.1°	36,600*	36,600*	17,600*	13,100*	
70'	42.4°	29,400*	29,400*	14,000*	10,100*	
80'	34.8°	24,200*	24,200*	11,200*	7,900*	
90'	28.0°	20,200*	20,200*	9,100*	6,100*	

BOOM			CAPACITIES			
Lgth.	Rad.	Angle	ON OUTRIGGERS		ON TIRES	
			Rear	Side	Rear	Side
25'	78.7°	114,600*	114,600*	56,300*	40,600*	
30'	76.1°	95,100*	95,100*	44,500*	33,600*	
35'	73.4°	79,400*	79,400*	36,400*	28,500*	
40'	70.6°	65,100*	65,100*	30,500*	23,900*	
50'	62.0°	47,200*	47,200*	22,600*	17,200*	
60'	59.1°	36,500*	36,500*	17,400*	13,000*	
70'	52.8°	29,300*	29,300*	13,800*	10,000*	
80'	45.9°	24,200*	24,200*	11,100*	7,800*	
90'	38.2°	20,300*	20,300*	9,000*	6,100*	
100'	32.7°	17,300*	17,300*	7,400*	4,700*	
110'	28.1°	14,700*	14,700*	5,900*	3,900*	
25'	79.7°	104,800*	104,800*	56,200*	40,300*	
30'	77.2°	85,900*	85,900*	44,400*	33,400*	
35'	74.8°	73,300*	73,300*	36,300*	28,200*	
40'	72.3°	65,000*	65,000*	30,400*	23,800*	
50'	67.2°	47,200*	47,200*	22,400*	17,100*	
60'	61.9°	36,400*	36,400*	17,300*	12,800*	
70'	56.3°	29,200*	29,200*	13,700*	9,900*	
80'	50.4°	24,100*	24,100*	11,000*	7,700*	
90'	43.9°	20,200*	20,200*	8,900*	6,000*	
100'	38.5°	17,200*	17,200*	7,300*	4,600*	
110'	33.4°	14,700*	14,700*	5,900*	3,900*	
120'	28.9°	12,700*	12,700*	4,700*	2,400*	
30'	78.0°	90,400*	90,400*	44,200*	33,100*	
35'	76.0°	79,300*	79,300*	36,100*	27,900*	
40'	73.7°	65,600*	65,600*	30,200*	23,600*	
50'	69.0°	47,100*	47,100*	22,300*	17,000*	
60'	64.2°	36,300*	36,300*	17,100*	12,700*	
70'	59.2°	29,100*	29,100*	13,500*	9,700*	
80'	54.0°	24,000*	24,000*	10,800*	7,500*	
90'	48.3°	20,100*	20,100*	8,800*	6,300*	
100'	42.1°	17,100*	17,100*	7,100*	4,800*	
110'	36.0°	14,600*	14,600*	5,900*	3,900*	
120'	30.3°	12,600*	12,600*	4,600*	2,400*	
130'	25.3°	10,900*	10,900*	3,600*	1,900*	
30'	78.3°	82,700*	82,700*	49,700*	32,800*	
35'	77.0°	78,200*	78,200*	36,000*	27,900*	
40'	74.3°	64,500*	64,500*	30,100*	23,500*	
50'	70.5°	47,000*	47,000*	22,100*	16,800*	
60'	66.2°	36,200*	36,200*	17,000*	12,500*	
70'	61.3°	29,000*	29,000*	13,300*	9,500*	
80'	56.3°	24,000*	24,000*	10,700*	7,300*	
90'	51.8°	20,000*	20,000*	8,800*	6,500*	
100'	46.4°	17,000*	17,000*	7,300*	4,900*	
110'	40.5°	14,500*	14,500*	5,900*	3,900*	
120'	34.7°	12,500*	12,500*	4,500*	2,900*	
130'	28.4°	10,800*	10,800*	3,300*	1,900*	
140'	22.8°	9,300*	9,300*	2,600*	1,600*	
30'	79.8°	74,300*	74,300*	43,300*	32,900*	
35'	77.9°	70,400*	70,400*	35,800*	27,400*	
40'	75.9°	64,800*	64,800*	29,300*	23,300*	
50'	71.9°	46,800*	46,800*	21,900*	16,600*	
60'	67.9°	36,000*	36,000*	17,000*	12,300*	
70'	63.7°	28,800*	28,800*	13,200*	9,400*	
80'	59.3°	23,700*	23,700*	10,500*	7,700*	
90'	54.8°	19,800*	19,800*	8,400*	6,500*	
100'	50.0°	16,800*	16,800*	6,800*	4,100*	
110'	44.8°	14,400*	14,400*	5,400*	3,100*	
120'	39.0°	12,400*	12,400*	4,300*	2,100*	
130'	32.5°	10,700*	10,700*	3,400*	1,300*	
140'	24.5°	9,300*	9,300*	2,700*	1,000*	
150'	12.4°	8,000*	8,000*	2,200*	800*	

BOOM			CAPACITIES			
Lgth.	Rad.	Angle	ON OUTRIGGERS		ON TIRES	
			Rear	Side	Rear	Side
35'	78.6°	63,000*	63,000*	35,600*	27,100*	
40'	76.8°	60,000*	60,000*	29,700*	23,100*	
50'	73.1°	46,700*	46,700*	21,700*	16,400*	
60'	69.3°	35,900*	35,900*	16,500*	12,100*	
70'	65.4°	28,700*	28,700*	13,000*	9,200*	
80'	61.4°	23,500*	23,500*	10,300*	7,100*	
90'	57.3°	19,700*	19,700*	8,200*	5,300*	
100'	52.9°	16,600*	16,600*	6,600*	3,900*	
110'	48.3°	14,200*	14,200*	5,300*	2,800*	
120'	43.3°	12,200*	12,200*	4,100*	1,900*	
130'	37.8°	10,500*	10,500*	3,200*	1,100*	
140'	31.4°	9,100*	9,100*	2,400*	—	
150'	23.7°	7,900*	7,900*	1,700*	—	
160'	12.0°	6,800*	6,800*	1,000*	—	
35'	79.3°	55,900*	55,900*	35,400*	26,800*	
40'	77.6°	53,300*	53,300*	29,500*	22,800*	
50'	74.1°	44,500*	44,500*	21,500*	16,200*	
60'	70.6°	35,700*	35,700*	16,400*	12,000*	
70'	67.0°	28,500*	28,500*	12,800*	9,000*	
80'	63.3°	24,400*	24,400*	10,100*	6,800*	
90'	59.4°	19,500*	19,500*	8,000*	5,100*	
100'	55.4°	16,500*	16,500*	6,400*	3,700*	
110'	51.2°	14,000*	14,000*	5,100*	2,600*	
120'	46.7°	12,000*	12,000*	3,900*	1,700*	
130'	41.9°	10,400*	10,400*	3,000*	1,000*	
140'	36.8°	9,000*	9,000*	2,200*	—	
150'	30.5°	7,700*	7,700*	1,500*	—	
160'	23.0°	6,600*	6,600*	1,000*	—	
170'	11.6°	5,700*	5,700*	400*	—	
35'	79.9°	47,400*	47,400*	35,200*	26,500*	
40'	78.3°	45,200*	45,200*	29,300*	22,500*	
50'	75.0°	39,500*	39,500*	21,300*	16,000*	
60'	71.7°	34,600*	34,600*	16,200*	11,800*	
70'	68.3°	28,300*	28,300*	12,500*	8,800*	
80'	64.8°	23,200*	23,200*	9,900*	6,600*	
90'	61.3°	19,300*	19,300*	7,800*	4,900*	
100'	57.6°	16,300*	16,300*	6,200*	3,500*	
110'	53.7°	13,800*	13,800*	4,800*	2,400*	
120'	49.7°	11,800*	11,800*	3,700*	1,900*	
130'	45.3°	10,200*	10,200*	2,800*	—	
140'	40.7°	8,800*	8,800*	2,000*	—	
150'	35.5°	7,600*	7,600*	1,300*	—	
160'	29.6°	6,500*	6,500*	400*	—	
170'	22.3°	5,500*	5,500*	400*	—	
180'	11.3°	4,700*	4,700*	300*	—	
40'	78.9°	40,400*	40,400*	29,100*	22,200*	
50'	75.8°	35,400*	35,400*	21,100*	16,900*	
60'	72.8°	29,700*	29,700*	16,000*	11,500*	
70'	69.8°	21,500*	21,500*	12,000*	8,300*	
80'	66.8°	17,500*	17,500*	9,000*	6,300*	
90'	62.9°	14,500*	14,500*	7,000*	4,700*	
100'	58.9°	12,500*	12,500*	5,500*	3,300*	
110'	54.9°	10,500*	10,500*	4,500*	2,300*	
120'	50.9°	9,000*	9,000*	3,500*	1,300*	
130'	46.9°	7,500*	7,500*	2,500*	—	
140'	42.9°	6,500*	6,500*	1,500*	—	
150'	38.9°	5,500*	5,500*	1,000*	—	
160'	34.9°	4,500*	4,500*	700*	—	
170'	30.9°	3,5				