

PCSA CLASS 10 — 220 full powered boom

with outriggers fully extended and set

rated crane loads in pounds — boom in 360° and over front work areas

BOOM LENGTH (FEET) ALL SECTIONS EQUALLY EXTENDED																			LATTICE EXTENSION WITH 101 FOOT BOOM			LATTICE EXTENSION WITH 114 FOOT BOOM																																																																						
LOAD RADIUS (FEET)	36			42			49			62			75			88			101			114			134			147			LOAD RADIUS (FEET)																																																													
	LOADED BOOM ANGLE Δ°	RATED LOAD POUNDS		LOADED BOOM ANGLE Δ°	RATED LOAD POUNDS		LOADED BOOM ANGLE Δ°	RATED LOAD POUNDS		LOADED BOOM ANGLE Δ°	RATED LOAD POUNDS		LOADED BOOM ANGLE Δ°	RATED LOAD POUNDS		LOADED BOOM ANGLE Δ°	RATED LOAD POUNDS		LOADED BOOM ANGLE Δ°	RATED LOAD POUNDS		LOADED BOOM ANGLE Δ°	RATED LOAD POUNDS		LOADED BOOM ANGLE Δ°	RATED LOAD POUNDS																																																																		
		360°	FRONT		360°	FRONT		360°	FRONT		360°	FRONT		360°	FRONT		360°	FRONT		360°	FRONT		360°	FRONT		360°	FRONT	360°	FRONT	360°		FRONT	360°	FRONT																																																										
10	70	132000	132000	73	121000	121000	76	113000	113000	79	96000	96000																10																																																																
12	67	115000	115000	70	110000	110000	73	104000	104000	77	91000	91000	80	84000	84000														12																																																															
15	61	94000	94000	66	89000	89000	70	87000	87000	74	83000	83000	78	76000	76000														15																																																															
20	51	68000	68000	58	67000	67000	63	68000	66000	69	64000	64000	74	63000	63000	77	51000	51000	79	47000	47000	80	33000	33000					20																																																															
25	39	51000	51000	49	50000	50000	55	49000	49000	64	48000	48000	70	47000	47000	73	43000	43000	76	39000	39000	78	29000	29000	80	18000	18000		25																																																															
30	19	38100	41000	38	38100	41000	48	38100	41000	59	38100	41000	65	38100	41000	70	36800	36800	73	33200	33200	75	25000	25000	78	14000	14000	79	12000	12000	30																																																													
35	TELESCOPE CYLINDERS MUST BE FULLY RETRACTED AND AGAINST STOPS			22	28300	34000	39	28300	34000	53	28300	34000	61	28300	34000	66	28300	31900	70	28300	28600	73	22000	22000	76	12000	12000	77	11000	11000	35																																																													
						27	22000	27600	47	22000	27600	56	22000	27600	62	22000	27600	67	22000	24700	70	19000	19000	74	11000	11000	75	9700	9700	40																																																														
40									39	17700	22200	51	17700	22200	68	17700	22200	64	17700	22000	67	16300	16300	71	10000	10000	73	9200	9200		45																																																													
45												31	14100	17800	46	14100	17800	54	14100	17800	60	14100	14400	69	9200	9200	71	8500	8500		50																																																													
50																																																																																												
55										18	11300	14500	40	11300	14500	50	11300	14500	57	11300	13400	67	8500	8500	69	7900	7900					55																																																												
60													33	9400	12200	45	9400	12200	53	9400	11600	64	8000	8000	67	7400	7400					60																																																												
65	RATINGS ABOVE THE HEAVY LINE ARE BASED ON STRUCTURAL COMPETENCE AND NOT ON MACHINE STABILITY.												WARNING:			1. FOR BOOM LENGTHS LESS THAN 134 FEET AND LESS THAN 147 FEET, THE RATED LOADS ARE DETERMINED BY BOOM ANGLE ONLY IN THE COLUMNS HEADED BY 134 FOOT BOOM AND 147 FOOT BOOM, FOR ANGLES NOT SHOWN, USE RATING OF NEXT LOWER BOOM ANGLE.												2. DO NOT EXCEED 100 FOOT RADIUS OVERSIDE ON 114 FOOT BOOM AS TIPPING WILL OCCUR.												3. DO NOT EXCEED 110 FOOT RADIUS OVERSIDE ON 134 OR 147 FOOT BOOM AS TIPPING WILL OCCUR.												BOOM RATINGS MUST BE REDUCED BY WEIGHT OF BOOM ATTACHMENTS AND LOAD HANDLING DEVICES. SEE TABLE.																																								
70																																																																																												
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100	WHEN LIFTING A LOAD, ALL SECTIONS OF THE BOOM MUST BE EXTENDED EQUALLY.																																																																																											
110																																																																																												
120																																																																																												
130																																																																																												

32R517



"on rubber"

rated crane loads in pounds — minimum boom (75' maximum)

WARNING: "WITHOUT OUTRIGGER" LIFTS WITH JIB OR BOOM EXTENSION IN WORKING POSITION ARE PROHIBITED.

TO HELP PREVENT TIPPING CONDITIONS WHEN "LIFTING ON RUBBER", IT IS RECOMMENDED THAT —

1. MINIMUM BOOM LENGTHS BE USED, NOT EXCEEDING 75 FEET.
2. OUTRIGGERS BE EXTENDED AS FAR AS POSSIBLE AND CLEAR OF GROUND.

WHEN LIFTING A LOAD, ALL SECTIONS OF THE BOOM MUST BE EXTENDED EQUALLY.

RATINGS FOR FULL POWER BOOM			LOAD RADIUS (FEET)	RATINGS FOR MANUAL BOOM		
STATIONARY 360°	OVER FRONT			STATIONARY 360°	OVER FRONT	
	STATIONARY & CREEP	2½ MPH			STATIONARY & CREEP	2½ MPH
44200	70900	54800	10	45100	71700	55900
35600	62200	46800	12	36300	63100	47900
26400	52300	37800	15	27200	53300	38900
16300	40300	27600	20	16700	41100	28700
9800	30700	20800	25	10400	31500	21900
5700	21100	15900	30	6400	21800	17000
3400	15600	12700	35	3800	15800	13600
1800	11900	10200	40	2000	11900	10900
—	9400	8300	45	—	6900	6900
—	7000	6500	50	—	5100	5100
—	4000	3900	60	—	3800	3800

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WARNING: DO NOT EXCEED RATED LOAD AT RADIUS SHOWN OR A TIPPING CONDITION WILL OCCUR.

LOAD RATINGS WITHOUT OUTRIGGERS DEPEND ON TIRE CAPACITY AND CONDITION, INFLATED PER TABLE, AND APPLY ONLY WHEN REAR AXLE LOCKOUTS ARE ENGAGED.

TIRE INFLATION			
SIZE	STAT.	CREEP	2½ MPH
29.5x25-28 PR	75 PSI	75 PSI	65 PSI

WHEN TRANSPORTING A LOAD, MACHINE MUST BE ON FIRM, LEVEL SURFACE WITH MECHANICAL HOUSELOCK ENGAGED AND LOAD CENTERED OVER FRONT OF MACHINE AND RESTRAINED FROM SWINGING. DO NOT EXCEED 2½ MPH (4 KMPH) VEHICLE SPEED. CREEP IS MOTION FOR LESS THAN 200 FT. IN A 30 MIN. PERIOD AND NOT EXCEEDING 1 MPH.

RATINGS ABOVE THE HEAVY LINE ARE BASED ON STRUCTURAL COMPETENCE AND NOT ON MACHINE STABILITY. STABILITY RATINGS DO NOT EXCEED 85% OF TIPPING LOADS WITH AUXILIARY SHEAVE ON BOOM POINT AND STOWED BOOM EXTENSION.