

MODEL 80-D SPECIFICATIONS

40 Ton (36.287 Metric Ton) Crane/Excavator
PCSA Class 12-149

"C" BOOM LIFTING CAPACITIES

Crane Capacities Based on 75% of Tipping Load

Boom Length In Feet (In Metres)	Radius		Crane	
	Feet	Metres	lbs	kg
50 (15.24)	12	3.66	80,000	36 287
	15	4.57	56,200	25 492
	20	6.10	37,300	16 919
	25	7.62	27,700	12 565
	30	9.14	21,800	9 888
	35	10.67	17,700	8 029
	40	12.19	14,900	6 759
	45	13.72	12,700	5 761
	50	15.24	11,100	5 035
60 (18.29)	15	4.57	55,900	25 356
	20	6.10	37,000	16 783
	25	7.62	27,400	12 428
	30	9.14	21,500	9 752
	35	10.67	17,400	7 893
	40	12.19	14,600	6 622
	45	13.72	12,400	5 625
	50	15.24	10,800	4 899
	60	18.29	8,300	3 778
70 (21.34)	20	6.10	36,700	16 647
	25	7.62	27,100	12 292
	30	9.14	21,200	9 616
	35	10.67	17,100	7 756
	40	12.19	14,300	6 486
	45	13.72	12,100	5 488
	50	15.24	10,500	4 763
	55	16.76	9,100	4 128
	60	18.29	8,030	3 642
80 (24.38)	25	7.62	26,800	12 156
	30	9.14	20,900	9 480
	35	10.67	16,800	7 620
	40	12.19	14,000	6 350
	45	13.72	11,800	5 352
	50	15.24	10,200	4 627
	55	16.76	8,800	3 992
	60	18.29	7,730	3 506
	65	19.81	6,830	3 098
90 (27.43)	25	7.62	26,500	12 020
	30	9.14	20,600	9 344
	35	10.67	16,500	7 484
	40	12.19	13,700	6 214
	45	13.72	11,500	5 216
	50	15.24	9,900	4 491
	55	16.76	8,500	3 856
	60	18.29	7,430	3 370
	65	19.81	6,530	2 962
100 (30.48)	25	7.62	26,200	11 884
	30	9.14	20,300	9 208
	35	10.67	16,200	7 348
	40	12.19	13,400	6 078
	45	13.72	11,200	5 080
	50	15.24	9,600	4 354
	55	16.76	8,200	3 719
	60	18.29	7,130	3 234
	65	19.81	6,230	2 826
Max. Boom Allowed	70	21.34	5,450	2 472
	80	24.38	4,190	1 901
	90	27.43	3,210	1 456

[242789]

"B" BOOM LIFTING CAPACITIES

Crane Capacities Based On 75% of Tipping Load

Boom Length In Feet (In Metres)	Radius		Crane		Clamshell or Magnet		Dragline	
	Feet	Metres	lbs	kg	lbs	kg	lbs	kg
50 (15.24)	15	4.57	40,000	18 144				
	20	6.10	37,500	17 010				
	25	7.62	28,650	12 995				
	30	9.14	22,650	10 274	17,200	7 802		
	35	10.67	18,650	8 459	17,200	7 802		
	40	12.19	14,750	7 144	15,750	7 144	15,700	7 121
	45	13.72	13,650	6 192	13,650	6 192	13,650	6 192
	50	15.24	11,950	5 420	11,950	5 420	11,950	5 420
	60 (18.29)	15	4.57	39,750	18 030			
20		6.10	37,250	16 896				
25		7.62	28,400	12 882				
30		9.14	22,400	10 160				
35		10.67	18,400	8 346	17,200	7 802		
40		12.19	15,500	7 031	15,500	7 031		
45		13.72	13,400	6 078	13,400	6 078	13,400	6 078
50		15.24	11,700	5 307	11,700	5 307	11,700	5 307
60		18.29	10,360	4 699	10,360	4 699	10,360	4 699
70 (21.34)	20	6.10	37,000	16 783				
	25	7.62	28,150	12 769				
	30	9.14	22,150	10 047				
	35	10.67	18,150	8 233				
	40	12.19	15,250	6 917	15,250	6 917		
	45	13.72	13,150	5 965	13,150	5 965		
	50	15.24	11,450	5 194	11,450	5 194	11,450	5 194
	55	16.76	10,110	4 586	10,110	4 586	10,110	4 586
	60	18.29	9,000	4 082	9,000	4 082	9,000	4 082
80 (24.38)	25	7.62	27,900	12 655				
	30	9.14	21,900	9 934				
	35	10.67	17,900	8 119				
	40	12.19	15,000	6 804				
	45	13.72	12,900	5 851	12,900	5 851		
	50	15.24	11,200	5 080	11,200	5 080		
	55	16.76	9,860	4 472	9,860	4 472		
	60	18.29	8,750	3 969	8,750	3 969	8,750	3 969
	65	19.81	7,850	3 561	7,850	3 561	7,850	3 561
90 (27.43)	25	7.62	27,650	12 542				
	30	9.14	21,650	9 820				
	35	10.67	17,650	8 006				
	40	12.19	14,750	6 690				
	45	13.72	12,650	5 738				
	50	15.24	10,950	4 967				
	55	16.76	9,610	4 359				
	60	18.29	8,500	3 856				
	65	19.81	7,600	3 447				
100 (30.48)	25	7.62	27,400	12 428				
	30	9.14	21,400	9 707				
	35	10.67	17,400	7 893				
	40	12.19	14,500	6 577				
	45	13.72	12,400	5 625				
	50	15.24	10,700	4 853				
	55	16.76	9,360	4 246				
	60	18.29	8,250	3 742				
	65	19.81	7,350	3 334				
Max. Boom Allowed	70	21.34	6,570	2 980				
	80	24.38	5,310	2 409				
	90	27.43	4,350	1 973				

[242787]

"B" and "C" Booms
The "B" Boom, for Clamshell or Dragline use, is a Closed-Throat Boom and can be furnished with one or two Boom Point Sheaves. The "C" Boom, designed for lifting Crane Service, is an Open-Throat Boom and provides for Multiple-Part Hook Block Reeving. This Boom can be furnished with one, two, or three Boom Point Sheaves.

WEIGHTS

	Crawler Length, Overall Width, Tread Size	Complete Machine	Attachment	Counterweight	Both Crawler Side Frames	Complete Machine Less Attachment, Counterweight, Both Side Frames	Travel Base And Axles, Less Side Frames
Shovel	15'10" x 12'2" x 30" 4.83mx3.71mx762mm	147,650# 66 973kg	29,685# 13 465kg	23,300# 10 569kg	28,660# 13 000kg	66,005# 29 929kg	16,150# 7 326kg
Crane	15'10" x 12'2" x 30" 4.83mx3.71mx762mm	123,340# 55 946kg	6,230# 2 826kg	23,300# 10 569kg	28,660# 13 000kg	65,150# 29 552kg	16,150# 7 326kg
Clamshell	15'10" x 12'2" x 30" 4.83mx3.71mx762mm	122,210# 54 434kg	5,765# 2 615kg	23,300# 10 569kg	28,660# 13 000kg	64,485# 29 250kg	16,150# 7 326kg
Dragline	15'10" x 12'2" x 30" 4.83mx3.71mx762mm	123,310# 55 932kg	5,375# 2 438kg	23,300# 10 569kg	28,660# 13 000kg	65,975# 29 926kg	16,150# 7 326kg

*Standard Non-Removable Internal Counterweight. Optional Removable Counterweight 22,950# (10 410kg).
(1) Independent Boom Hoist adds 3,510# (1 592kg).

x 55 433kg