



USTC INCORPORATED YORK, PA.
MODEL 28L-RATED LIFTING CAPACITIES IN POUNDS
PCSA-RATING 5-70

LOAD RADIUS FEET	BOOM LENGTH IN FEET									
	BOOM ANGLE	29	BOOM ANGLE	45	BOOM ANGLE	61	BOOM ANGLE	77	BOOM ANGLE	94
5	79	56000								
10	69	34000	77	21300						
12	64	30300	75	21300	79	21300				
15	58	24500	69	21300	75	20500	79	16200		
20	44	18000	64	17700	71	16300	75	14100	79	10300
25	25	13700	57	13700	66	13400	72	12000	77	9100
30			49	10700	61	10500	68	10100	75	8100
35			40	8700	56	8700	64	8400	72	7300
40			30	7000	50	7000	60	7000	68	6300
45					43	5800	56	5800	65	5500
50					36	4900	52	4900	62	4800
55					27	4100	44	4100	57	4100
60							38	3500	52	3500
65							32	2900	48	2900
70							26	2600	44	2600
75									40	2200
80									35	1900
85									29	1600

PERMISSIBLE ROPE PULL

NUMBER PARTS LINE	9/16" DIA. 400' OF LOW ROTATION FLEX X 19 PLUS	NUMBER PARTS LINE	9/16" DIA. 340' OF 6X37 IWRC EIPS
SINGLE	8100 LBS.	SINGLE	9350 LBS.
TWO	16200 LBS.	TWO	18700 LBS.
THREE	24300 LBS.	THREE	28050 LBS.
FOUR	32400 LBS.	FOUR	37400 LBS.
FIVE	40500 LBS.	FIVE	46750 LBS.
SIX	48600 LBS.	SIX	56000 LBS.

DO NOT OPERATE THIS CRANE UNLESS YOU KNOW THE DIAMETER AND TYPE ROPE CURRENTLY INSTALLED ON THE CRANE. DO NOT EXCEED PERMISSIBLE ROPE PULL OF ROPE INSTALLED ON THIS CRANE. DO NOT USE 3 PART LINE WITH BOOM LENGTH OVER 61 FEET. DO NOT USE 4 PART LINE WITH BOOM LENGTH OVER 45 FEET. DO NOT USE 5 PART OR 6 PART LINE WITH BOOM LENGTH OVER 29 FEET.

DO NOT OPERATE THIS CRANE UNTIL YOU HAVE READ AND UNDERSTOOD "LIFTING NOTES" DECAL ON PEDESTAL.

LOAD CHART

RATED JIB LIFTING CAPACITIES IN POUNDS

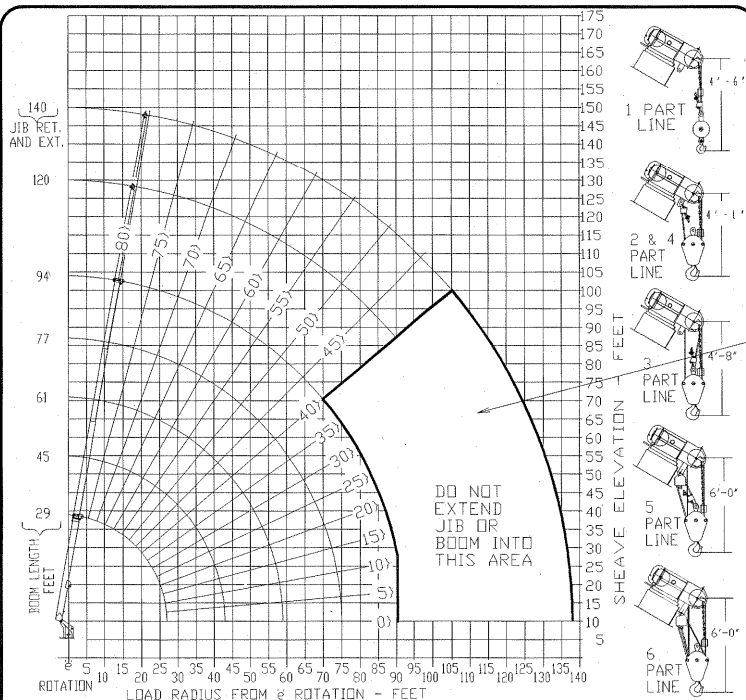
26-46 FT. 2 SECTION JIB			26 FT. FIXED JIB	
MINIMUM BOOM ANGLE	JIB FULLY RETRACTED	JIB FULLY EXTENDED	MINIMUM BOOM ANGLE	
79	5400	3400	79	5600
75	4700	3200	75	4900
70	3800	2700	70	4000
65	3100	2300	65	3300
60	2500	1900	60	2700
55	2000	1500	55	2200
50	1400	1100	50	1600
45	1000	800	45	1200
40	700	500	40	900

1. CAPACITIES BASED ON ANGLE OF MAIN BOOM REGARDLESS OF BOOM LENGTH.
2. RATED LIFTING CAPACITY ABOVE THE BOLD LINE IS BASED ON STRUCTURAL STRENGTH. OVERLOADING THE JIB MAY CAUSE STRUCTURAL COLLAPSE OR UPSET.
3. DO NOT USE JIB FOR MULTI-PART LINE OPERATIONS.
4. IF ACTUAL BOOM ANGLE FALLS BETWEEN CHART VALUES LISTED, USE LIFTING CAPACITY FOR NEXT LOWER BOOM ANGLE.

WEIGHT REDUCTION FOR LOAD HANDLING DEVICES

HEADACHE BALL 170 LBS.
HOOK BLOCK (SINGLE SHEAVE) 220 LBS.
HOOK BLOCK (DOUBLE SHEAVE) 300 LBS.
HOOK BLOCK (TRIPLE SHEAVE) 500 LBS.
2-SECTION JIB STOWED 200 LBS.
2-SECTION JIB ERRECT (RETRACTED) 1600 LBS.
2-SECTION JIB ERRECT (EXTENDED) 1800 LBS.
1-SECTION JIB STOWED 100 LBS.
1-SECTION JIB ERRECT 1200 LBS.

1703716



HOIST SPECIFICATIONS - BRADEN PD12C

PERFORMANCE @ 3050 PSI	LOW SPEED-39 GPM				HIGH SPEED-63 GPM	
	LINE SPEED	LINE PULL	LINE SPEED	LINE PULL	LINE SPEED	LINE PULL
1ST LAYER	113 FPM	8100 LBS.	9350 LBS.	193 FPM	9350 LBS.	9350 LBS.
2ND LAYER	125 FPM	8100 LBS.	9350 LBS.	214 FPM	9350 LBS.	9350 LBS.
3RD LAYER	138 FPM	8100 LBS.	9350 LBS.	235 FPM	9350 LBS.	9350 LBS.
4TH LAYER	150 FPM	8100 LBS.	9350 LBS.	256 FPM	9350 LBS.	9350 LBS.
5TH LAYER	162 FPM	8100 LBS.	9350 LBS.	277 FPM	9350 LBS.	9350 LBS.

THIS AREA TO HAVE RED
BACKGROUND WITH BLACK
LINES & NUMBERS.

11 1/16

21 3/16

BORDER TO BE BLACK
AS SHOWN