

AMERICAN **DIESELECTRIC** MODEL 830 DE
LOCOMOTIVE CRANE

**GENERAL
SPECIFICATIONS**

TRAVEL SPEED AND DRAW BAR PULL

- STARTING 12,000 lb. Draw Bar Pull
Oversize traction motors can be furnished at additional cost to allow starting drawbar pull of 18,000 pounds.
- 2 M. P. H. 10,000 lb. Draw Bar Pull
6 M. P. H. 3,200 lb. Draw Bar Pull
10³/₄ M. P. H. Standard Travel Speed

- SWING SPEED** 2.5 R. P. M.
HOISTING 15,000 lb. Single Line Pull at 225 F. P. M.
CLUTCHES . Outside Band with American graduated air controls
BRAKES Outside Band — mechanically operated

LIFTING CAPACITIES

IN POUNDS

17% overload required to tip on straight level track

Boom Length in Feet	BOOM LENGTH IN FEET																						
	12	13	14	15	16	17	18	19	20	25	30	35	40	45	50	55	60	65	70	75	80	85	
50	60000	54000	49200	45000	41400	38600	35800	33700	31600	24000	19000	15500	13000	11200	9800								
55		53700	48900	44700	41200	38200	35600	33200	31000	23700	18800	15300	12800	11000	9600	8400							
60			48500	44500	41000	38000	35500	33000	31200	23500	18600	15100	12600	10800	9400	8200	7200						
65				44300	40800	37800	35300	32800	31000	23300	18400	14900	12400	10700	9300	8100	7100	6300					
70					40600	37600	35100	32600	30800	23100	18200	14700	12200	10600	9200	8000	7000	6200	5500				
75						40400	37400	34900	32400	30600	22900	18000	14500	12100	10500	9100	7900	6900	6100	5400	4800		
80							34200	31700	30000	22700	17800	14300	12000	10400	9000	7800	6800	6000	5300	4700	4100		
85								34400	32000	30200	22500	17600	14400	11900	10300	8900	7700	6700	5900	5200	4600	4000	3500
90									31800	30000	22200	17500	14300	11800	10200	8800	7600	6600	5800	5100	4500	3900	3400
WITHOUT OUTRIGGERS																							
50	60000	60000	55200	51000	48400	46100	41800	39200	37100	28100	22200	18100	15200	13100	11500								
55		60000	55200	52300	48200	44700	41800	39500	37000	27700	22000	17900	15000	12900	11200	9800							
60			56700	52100	48000	44500	41600	39300	36800	27500	21800	17700	14700	12600	11000	9600	8400						
65				51900	47800	44300	41400	39100	36600	27300	21500	17400	14500	12500	10900	9500	8300	7300					
70					47500	44000	41100	38200	36300	27000	21300	17200	14300	12400	10800	9300	8200	7200	6400				
75						47200	43700	40800	37900	36100	26800	21100	17100	14100	12300	10600	9200	8100	7100	6300	5600		
80							43100	40500	37700	35800	26600	20800	17000	14000	12200	10500	9100	7900	7000	6200	5500	4800	
85								40200	37400	35600	26300	20700	16800	13900	12100	10400	9000	7800	6900	6100	5400	4700	4100
90									37200	35400	26200	20600	16700	13800	12000	10300	8900	7700	6800	6000	5300	4600	4000
WITH OUTRIGGERS																							

Deduct 460 Pounds from Rated Capacities for 10-Ton Single Block and Swivel Hook.
Deduct 1000 Pounds from Rated Capacities for 30-Ton Double Block and Swivel Hook.
Loads should not exceed 90% of those shown above for bucket or magnet work.

CLEARANCES

- TAIL SWING: 10 ft. 6 in. WIDTH OVERALL: 10 ft. 8 in. HEIGHT OVERALL: 14 ft. 8¹/₂ in.
LENGTH OVER COUPLERS: 27 ft. 2¹/₂ in.