

STERLING CRANE



LIFTING CHARTS - Conventional Truck Cranes

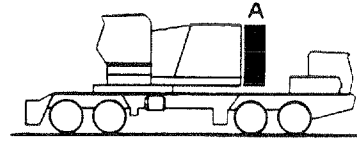
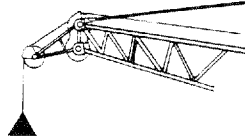
GROVE MODEL HL150T - 150 TON CAPACITY

68A AUXILIARY SHEAVE POINT CAPACITIES ON TIRES 360°

WITH FRONT AXLES LOCKED
WITH RADIAL OR BIAS PLY TIRES
75% STABILITY



STATIONARY CAPACITY IN POUNDS
WITH 'A' COUNTERWEIGHT
OUTRIGGERS INSTALLED



COUNTERWEIGHT CONFIGURATION

BOOM LGTH	LOAD RAD	BOOM ANG	SHEAVE HGT	RATED LOAD		BOOM LGTH	LOAD RAD	BOOM ANG	SHEAVE HGT	RATED LOAD		BOOM LGTH	LOAD RAD	BOOM ANG	SHEAVE HGT	RATED LOAD	
																	SEE NOTE 8! - FOR MACHINE ON TIRES
382	50	15	81.1	60.7	29,500	385	80	40	66.5	83.6	14,600	389	120	26	81.0	129.8	26,700
	50	16	80.0	60.5	29,500		80	45	62.6	81.0	12,100		120	30	79.1	129.0	21,600
	50	17	79.0	60.2	29,500		80	50	58.6	78.0	10,200		120	35	76.8	127.8	17,100
	50	18	77.9	60.0	29,500		80	60	50.0	70.2	7,400		120	40	74.4	126.4	13,900
	50	19	76.8	59.7	29,500		80	70	40.0	59.5	5,400		120	45	71.9	124.8	11,500
	50	20	75.6	59.4	29,500	80	80	26.9	43.1	4,000	120		50	69.5	122.9	9,500	
	50	25	70.0	57.5	28,900	386	90	21	81.2	100.3	29,500		120	60	64.4	118.3	6,700
	50	30	64.1	55.1	22,400		90	25	78.7	99.4	28,700		120	70	59.1	112.6	4,800
	50	35	57.8	51.9	18,000		90	30	75.6	98.1	22,100		120	80	53.4	105.6	3,300
	50	40	51.0	47.9	14,800		90	35	72.4	96.5	17,700		120	90	47.3	96.9	2,200
50	45	43.4	42.7	12,400	90		40	69.1	94.6	14,500	390	130	28	80.8	139.6	23,800	
50	50	34.3	35.8	10,400	90	45	65.8	92.3	12,100	130		30	80.0	139.2	21,400		
383	60	17	80.7	70.5	29,500	90	50	62.3	89.7	10,200		130	35	77.8	138.1	17,000	
	60	18	79.8	70.3	29,500	90	60	55.1	83.2	7,400		130	40	75.6	136.8	13,700	
	60	19	78.9	70.0	29,500	90	70	47.0	74.5	5,400		130	45	73.3	135.3	11,300	
	60	20	78.0	69.8	29,500	90	80	37.6	62.8	4,000	130	50	71.1	133.6	9,400		
	60	25	73.3	68.2	28,900	387	100	23	81.0	110.1	29,500	130	60	66.4	129.5	6,600	
	60	30	68.5	66.2	22,400		100	25	79.8	109.7	28,600	130	70	61.6	124.3	4,600	
60	35	63.4	63.7	18,000	100		30	77.0	108.5	22,000	130	80	56.6	118.0	3,200		
60	40	58.2	60.6	14,800	100		35	74.1	107.0	17,500	130	90	51.2	110.4	2,000		
60	45	52.6	56.8	12,300	100		40	71.2	105.3	14,300	391	140	29	81.1	149.6	22,400	
60	50	46.4	52.1	10,400	100	45	68.3	103.3	11,900	140		30	80.7	149.4	21,300		
60	60	31.2	38.4	7,600	100	50	65.2	101.0	10,000	140		35	78.6	148.4	16,800		
384	70	18	81.2	80.5	29,500	100	60	58.9	95.3	7,200		140	40	76.6	147.2	13,500	
	70	19	80.4	80.3	29,500	100	70	52.1	88.0	5,200		140	45	74.5	145.8	11,100	
	70	20	79.6	80.1	29,500	100	80	44.5	78.6	3,700	140	50	72.4	144.2	9,100		
	70	25	75.6	78.7	28,900	100	90	35.6	65.9	2,600	140	60	68.2	140.4	6,300		
	70	30	71.5	77.0	22,300	388	110	25	80.7	119.8	28,400	140	70	63.8	135.7	4,300	
	70	35	67.3	74.9	17,900		110	30	78.2	118.8	21,800	140	80	59.2	130.0	2,900	
	70	40	63.0	72.4	14,700		110	35	75.6	117.5	17,300	392	150	31	80.9	159.4	20,000
	70	45	58.4	69.3	12,300		110	40	73.0	115.9	14,100		150	35	79.4	158.6	16,500
70	50	53.6	65.6	10,400	110		45	70.3	114.1	11,700	150		40	77.5	157.5	13,300	
70	60	42.9	55.9	7,600	110	50	67.6	112.0	9,800	150	45		75.6	156.2	10,800		
70	70	28.8	40.8	5,600	110	60	61.9	107.0	7,000	150	50		73.6	154.7	8,900		
385	80	20	80.9	90.3	29,500	110	70	56.0	100.6	5,000	150	60	69.7	151.2	6,100		
	80	25	77.4	89.1	28,800	110	80	49.5	92.6	3,600	150	70	65.6	146.8	4,100		
	80	30	73.8	87.6	22,200	110	90	42.3	82.4	2,400	150	80	61.4	141.6	2,700		
	80	35	70.2	85.8	17,800												

DEDUCTION FROM RATED 68A AUXILIARY SHEAVE POINT LOADS WHEN LIFTING WITH HOOK BLOCK ON BOOM POINT

Loads in Shaded Areas (Structural Strength)	No Deduct Required
All Other Loads (Stability)	Deduct Weight of Hookblock on Boom Point

RATED LOADS APPEARING IN SHADED AREAS ARE BASED ON STRUCTURAL OR OTHER FACTORS RATHER THAN STABILITY.

READ AND UNDERSTAND LIFTING CAPACITY NOTES ON A6-829-800023 LOCATED IN THE FRONT OF THIS MANUAL BEFORE OPERATING THIS MACHINE.

† LMI OPERATING CODE. REFER TO LMI MANUAL FOR INSTRUCTIONS.