LS-248H II Luffing Crane Capacities

Refer to notes page 6

Luffing Boom - Tubular; 80" (2.03 m) wide, 68" (1.73 m) deep.

Luffing Jib - Tubular; 60" (1.52 m) wide, 50" (1.27 m) deep.

Fixed Jib - Tubular; 32" (.81 m) wide, 24" (.61m) deep.

Mounting - Crawler; 18' 10" (5.74 m) gauge, 28' 6" (8.69 m) overall length.

Upper Counterweights - "ABC" ctwt., 96,430 lbs. (43 741 kg)

Lower Counterweights - "A" ctwt., 48,000 lbs. (21 773 kg)

Luffing boom and luffing jib + fixed jib machine can **lift off** ground unassisted, without load.

Standard LS-248H II must be equipped with the counterweights listed below when the indicated luffing boom and luffing jib + fixed jib lengths are used.	Luffing boom and luffing jib + fixed jib lengths allowed	Over End (folded or flat)					
		Luffing Boom		Luffing Jib		Fixed Jib	
		Feet	meters	Feet	meters	Feet	meters
Upper Ctwt. "ABC"	Minimum	80	24.38	80	24.38	30	9.14
+ Lower Ctwt. "A"	① Maximum	190	57.91	160	48.77	30	9.14

① Lift off of luffing boom lengths 170' - 190' (51.82 - 57.91 m) requires blocked idler/sprocket.

Machine **travel** with luffing boom and luffing jib + fixed jib, with no load.

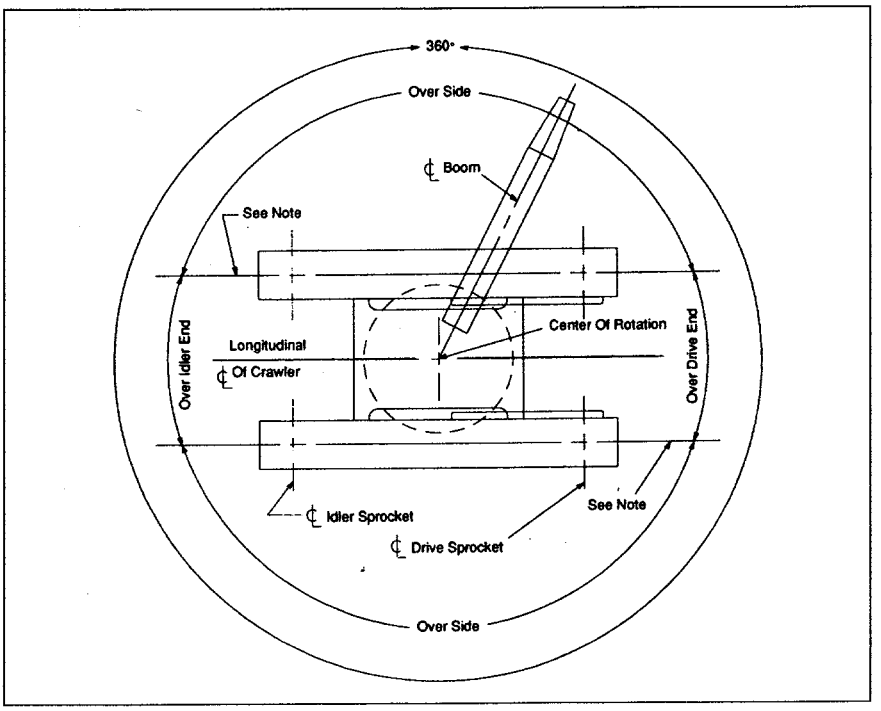
Standard LS-248H II must be equipped with the counterweights listed below when the indicated luffing boom and luffing jib + fixed jib lengths are used.	Luffing boom and luffing jib + fixed jib lengths allowed	Jobsites moves at 1 mph (1.61 km/h) with luffing boom and luffing jib + fixed jib. ②			
		Luffing Boom		Luffing Jib + Fixed Jib	
		Feet	meters	Feet	meters
Upper Ctwt. "ABC"	Minimum	80	24.38	80 + 30	24.38 + 9.14
+ Lower Ctwt. "A"	Maximum	190	57.91	160 + 30	48.77 + 9.14

② Refer to travel charts for luffing boom and jib angles before moving.

Working Areas

1. These lines determine the limiting position of any load for operation within working areas indicated.

Caution: This material is for reference only. Operator must refer to in-cab crane rating manual to determine allowable machine lifting capacities and operating procedures.



LS-248H II Luffing Crane Capacities

Luffing Boom Length	Luffing Jib Length	Radii In Feet	360 Degrees Luffing Boom Angle 87°	85°	80°	75°	70°	65°	Over-the-End (Blocked) Luffing Boom Angle 87°	85°	80°	75°	70°	65°
80'	80'	38	85.0*	-	-	-	-	-	85.0*	-	-	-	-	-
		60	60.5	59.9	58.2	-	-	-	69.9	69.9	69.9	-	-	-
		80	42.2	41.7	40.5	39.4	-	-	49.8	49.3	48.1	46.9	-	-
		100	-	-	30.5	29.6	28.1	27.3	-	-	36.2	35.3	34.4	33.6
		120	-	-	-	-	-	21.6	-	-	-	-	-	26.4
		123	-	-	-	-	-	21.0	-	-	-	-	-	25.6
	100'	43	68.3*	-	-	-	-	-	68.3*	-	-	-	-	-
		60	60.0	59.3	-	-	-	-	63.1*	63.0*	-	-	-	-
		80	41.7	41.2	40.0	38.8	-	-	49.4	48.9	47.6	46.3	-	-
		100	31.4	31.0	30.1	29.1	27.5	-	37.2	36.8	35.8	34.9	33.9	-
		120	-	-	23.7	22.9	21.7	21.2	-	-	28.2	27.5	26.7	26.0
		140	-	-	-	-	-	17.2	-	-	-	-	-	21.2
		143	-	-	-	-	-	16.7	-	-	-	-	-	20.6
	120'	50	54.1*	-	-	-	-	-	54.1*	-	-	-	-	-
		80	41.2	40.7	39.4	-	-	-	48.9	48.4	45.9*	-	-	-
		100	30.9	30.5	29.5	28.5	-	-	36.7	36.3	35.3	34.3	-	-
		120	24.4	24.0	23.2	22.4	21.3	20.5	26.3*	28.6	27.8	27.0	26.2	25.4
		140	-	-	19.0	18.3	17.3	16.7	-	-	22.6	21.9	21.3	20.8
		160	-	-	-	-	-	13.8	-	-	-	-	-	17.2
		163	-	-	-	-	-	13.4	-	-	-	-	-	16.7
	140'	58	43.6*	-	-	-	-	-	43.6*	-	-	-	-	-
		80	40.4*	40.0*	-	-	-	-	40.4*	40.0*	-	-	-	-
		100	30.4	30.0	28.9	-	-	-	36.3	35.8	34.8	-	-	-
		120	23.9	23.5	22.7	21.8	20.7	-	25.3*	28.1	27.3	26.4	25.6	-
		140	17.0*	18.9*	18.5	17.8	16.7	16.0	17.0*	18.9*	22.1	21.4	20.9	20.2
		160	-	-	15.3	14.7	13.8	13.2	-	-	17.7*	17.9	17.3	16.7
		180	-	-	-	-	-	11.0	-	-	-	-	-	14.0
		183	-	-	-	-	-	10.8	-	-	-	-	-	13.6
	160'	67	34.7*	-	-	-	-	-	34.7*	-	-	-	-	-
		80	33.1*	33.1*	-	-	-	-	33.1*	33.1*	-	-	-	-
		100	29.9	29.4	28.4	-	-	-	31.5*	31.5*	30.7*	-	-	-
		120	23.3	23.0	22.1	21.2	-	-	24.3*	26.8*	26.7	25.8	-	-
		140	14.8*	17.7*	18.0	17.3	16.1	-	14.8*	17.7*	21.6	21.1	20.4	-
		160	9.6*	11.5*	14.8	14.2	13.2	12.6	9.6*	11.5*	17.2*	17.4	16.8	16.2
		180	-	-	10.2*	11.8	11.0	10.5	-	-	10.2*	14.6	14.0	13.5
		200	-	-	-	-	-	8.8	-	-	-	-	-	11.4
		203	-	-	-	-	-	8.5	-	-	-	-	-	11.1
	160' + 30'	80	18.0*	-	-	-	-	-	18.0*	-	-	-	-	-
		100	18.0*	18.0*	-	-	-	-	18.0*	18.0*	-	-	-	-
		120	17.8*	18.0*	18.0*	-	-	-	17.8*	18.0*	18.0*	-	-	-
		140	12.4*	15.4*	16.2*	16.4	-	-	12.4*	15.4*	16.2*	16.9*	-	-
		160	6.7*	9.2*	13.7*	13.4	12.3	-	6.7*	9.2*	13.7*	14.4*	14.9*	-
		180	-	-	9.2*	11.0	10.1	9.6	-	-	9.2*	11.9*	12.7*	12.7
		200	-	-	-	9.1	8.4	7.9	-	-	-	9.6*	10.3*	10.6
		220	-	-	-	-	7.0	6.5	-	-	-	-	7.9*	8.9
		233	-	-	-	-	-	5.8	-	-	-	-	-	7.1
100'	80'	39	79.7*	-	-	-	-	-	79.7*	-	-	-	-	-
		60	60.6	59.7	57.6	-	-	-	72.5	71.5	69.3	-	-	-
		80	42.2	41.6	40.1	38.6	-	-	49.9	49.2	47.7	46.1	-	-
		100	-	-	30.1	29.0	27.1	-	-	-	35.9	34.7	33.6	-
		120	-	-	-	-	21.5	20.8	-	-	-	-	26.4	25.5
		131	-	-	-	-	-	18.4	-	-	-	-	-	22.6
	100'	44	64.6*	-	-	-	-	-	64.6*	-	-	-	-	-
		60	60.0	59.1	-	-	-	-	60.5*	60.6*	-	-	-	-
		80	41.7	41.1	39.5	-	-	-	49.4	48.8	47.1	-	-	-
		100	31.4	30.9	29.6	28.4	26.4	-	37.2	36.7	35.5	34.2	33.0	-
		120	-	-	23.4	22.4	21.1	20.1	-	-	27.9	26.9	25.9	25.0
		140	-	-	-	-	17.1	16.4	-	-	-	-	21.2	20.5
		151	-	-	-	-	-	14.7	-	-	-	-	-	18.3
	120'	50	51.4*	-	-	-	-	-	51.4*	-	-	-	-	-
		80	41.2	40.6	38.9	-	-	-	47.1*	46.6*	46.0*	-	-	-
		100	30.9	30.4	29.1	27.8	-	-	36.8	36.3	34.9	33.6	-	-
		120	24.3	23.9	22.8	21.8	20.4	-	25.7*	28.5	27.5	26.4	25.4	-
		140	-	-	18.7	17.8	16.6	15.8	-	-	22.3	21.4	20.8	19.9
		160	-	-	-	-	13.7	13.0	-	-	-	-	17.2	16.5
		171	-	-	-	-	-	11.7	-	-	-	-	-	14.9
	140'	55	41.8*	-	-	-	-	-	41.8*	-	-	-	-	-
		80	38.5*	38.1*	-	-	-	-	38.5*	38.1*	-	-	-	-
		100	30.4	29.8	28.5	-	-	-	35.2*	35.8	34.4	-	-	-
		120	23.8	23.4	22.3	21.2	-	-	24.1*	28.0	26.9	25.8	-	-
		140	16.8*	19.2	18.2	17.3	16.0	15.1	16.8*	19.3*	21.8	21.1	20.2	19.4
		160	-	-	15.0	14.2	13.1	12.4	-	-	18.3	17.5	16.7	16.0
		180	-	-	-	-	11.0	10.3	-	-	-	-	14.0	13.3
		191	-	-	-	-	-	9.3	-	-	-	-	-	12.1
	160'	61	33.4*	-	-	-	-	-	33.4*	-	-	-	-	-
		80	31.4*	31.5*	-	-	-	-	31.4*	31.5*	-	-	-	-
		100	29.8	29.3	27.9	-	-	-	30.5*	30.1*	29.4*	-	-	-
		120	23.2*	22.8	21.7	20.9	-	-	23.2*	26.3*	26.4	25.2	-	-
		140	14.8*	18.1*	17.7	16.8	15.3	-	14.8*	18.1*	21.3	20.6	19.7	-
		160	9.8*	11.9*	14.5	13.7	12.5	11.8	9.8*	11.9*	17.8	17.0	16.2	15.4
		180	-	-	11.7*	11.4	10.4	9.7	-	-	11.7*	14.2	13.5	12.8
		200	-	-	-	-	8.7	8.1	-	-	-	-	11.4	10.8
		211	-	-	-	-	-	7.3	-	-	-	-	-	9.8
	160' + 30'	73	18.0	-	-	-	-	-	18.0*	-	-	-	-	-
		100	18.0	18.0	-	-	-	-	18.0*	18.0*	-	-	-	-
		120	17.3	17.9	18.0	-	-	-	17.3*	17.9*	18.0*	-	-	-
		140	12.5	15.1	16.2	15.9	-	-	12.5*	15.1*	16.2*	17.1*	-	-
		160	7.0	9.8	13.7	12.9	11.6	-	7.0*	9.8*	13.8*	14.7*	15.3	-
		180	-	-	11.2	10.6	9.5	8.8	-	-	11.2*	12.3*	12.7	12.0
		200	-	-	5.5	8.8	7.8	7.2	-	-	5.5*	10.0*	10.6	10.0
		220	-	-	-	5.1	6.5	5.9	-	-	-	5.1*	8.9	8.3
		241	-	-	-	-	-	-	-	-	-	-	-	6.9

NOTE: *Indicates these capacities are based on factors other than those which would cause a tipping condition. Capacities shown in thousands of pounds.

Luffing Boom Length	Luffing Jib Length	Radii In Feet	360 Degrees Luffing Boom Angle						Over-the-End (Blocked) Luffing Boom Angle					
			87°	85°	80°	75°	70°	65°	87°	85°	80°	75°	70°	65°
120'	80'	40	74.3*	-	-	-	-	-	74.3*	-	-	-	-	-
		60	60.5	59.4	-	-	-	-	66.9*	68.3*	-	-	-	-
		80	42.2	41.4	39.5	37.6	-	-	49.9*	49.1	47.1	45.2	-	-
		100	-	31.2	29.7	28.2	26.0	-	-	37.0	35.5	34.0	32.6	-
		120	-	-	-	22.2	20.8	19.7	-	-	-	26.7	25.6	24.5
		139	-	-	-	-	-	16.0	-	-	-	-	-	20.1
	100'	45	60.0*	-	-	-	-	-	60.0*	-	-	-	-	-
		60	56.1*	56.3*	-	-	-	-	56.1*	56.3*	-	-	-	-
		80	41.7	40.9	38.9	-	-	-	49.4	48.6	46.5	-	-	-
		100	31.3	30.7	29.2	27.6	-	-	36.8*	36.6	35.0	33.5	-	-
		120	-	24.3	23.0	21.7	20.1	-	-	28.6*	27.6	26.3	25.1	-
		140	-	-	-	17.7	16.4	15.4	-	-	-	21.4	20.6	19.6
		159	-	-	-	-	-	12.7	-	-	-	-	-	16.2
	120'	51	47.1*	-	-	-	-	-	47.1*	-	-	-	-	-
		60	46.2*	46.7*	-	-	-	-	46.2*	46.7*	-	-	-	-
		80	41.2	40.3	38.3	-	-	-	42.8*	44.3*	43.4*	-	-	-
		100	30.9	30.2	28.6	27.0	-	-	34.1*	36.1	34.5	32.9	-	-
		120	24.2*	23.7	22.4	21.2	19.5	-	24.2*	28.4	27.1	25.7	24.5	-
		140	-	19.5	18.4	17.3	15.8	14.7	-	19.8*	22.0	21.1	20.0	19.0
		160	-	-	-	14.2	13.0	12.1	-	-	-	17.5	16.6	15.7
		179	-	-	-	-	-	10.1	-	-	-	-	-	13.1
	140'	56	37.8*	-	-	-	-	-	37.8*	-	-	-	-	-
		80	35.3*	36.2*	-	-	-	-	35.3*	36.2*	-	-	-	-
		100	30.3	29.6	28.0	-	-	-	32.3*	35.4*	33.9	-	-	-
		120	22.9*	23.2	21.8	20.8	-	-	22.9*	27.2*	26.5	25.1	-	-
		140	15.8*	18.7*	17.9	16.7	15.1	-	15.8*	18.7*	21.4	20.6	19.5	-
		160	-	12.7*	14.7	13.7	12.4	11.5	-	12.7*	18.0	17.0	16.0	15.1
		180	-	-	-	11.4	10.3	9.5	-	-	-	14.2	13.4	12.6
		199	-	-	-	-	-	7.9	-	-	-	-	-	10.6
	160'	62	30.1*	-	-	-	-	-	30.1*	-	-	-	-	-
		80	29.3*	29.7*	-	-	-	-	29.3*	29.7*	-	-	-	-
		100	27.6*	27.7*	27.3*	-	-	-	27.6*	27.7*	27.3*	-	-	-
		120	21.1*	22.7	21.2	20.2	-	-	21.1*	25.4*	26.0	24.5	-	-
		140	14.2*	17.5*	17.3	16.2	14.5	-	14.2*	17.5*	21.2	20.0	18.9	-
		160	9.5*	11.5*	14.2	13.2	11.8	10.8	9.5*	11.5*	17.5	16.5	15.5	14.5
		180	-	7.2*	11.8	10.9	9.7	8.9	-	7.2*	12.0*	13.8	12.9	12.0
		200	-	-	-	9.1	8.1	7.3	-	-	-	11.6	10.8	10.1
		219	-	-	-	-	-	6.1	-	-	-	-	-	8.5
	160' + 30'	71	18.0*	-	-	-	-	-	18.0*	-	-	-	-	-
		100	18.0*	18.0*	-	-	-	-	18.0*	18.0*	-	-	-	-
		120	16.9*	17.5*	18.0*	-	-	-	16.9*	17.5*	18.0*	-	-	-
		140	12.2*	14.8*	16.2*	15.3	-	-	12.2*	14.8*	16.2*	16.9*	-	-
		160	7.0*	9.6*	13.4*	12.3	10.8	-	7.0*	9.6*	13.8*	14.8*	14.6	-
		180	-	-	11.0*	10.1	8.8	7.9	-	-	11.5*	12.7*	12.0	11.1
		200	-	-	6.1*	8.3	7.2	6.4	-	-	6.1*	10.4*	10.0	9.2
		220	-	-	-	6.8*	8.4	7.7	-	-	-	6.8*	8.4	7.7
140'	80'	41	64.9*	-	-	-	-	-	64.9*	-	-	-	-	-
		60	56.6*	59.1	-	-	-	-	56.6*	61.0*	-	-	-	-
		80	42.1	41.1	38.8	-	-	-	47.4*	48.9	46.5	-	-	-
		100	-	30.9	29.2	27.4	-	-	-	36.8	35.0	33.2	-	-
		120	-	-	-	21.5	19.8	18.4	-	-	-	26.1	24.7	23.3
		140	-	-	-	-	-	14.9	-	-	-	-	-	19.1
		148	-	-	-	-	-	13.7	-	-	-	-	-	17.6
	100'	46	50.9*	-	-	-	-	-	50.9*	-	-	-	-	-
		60	48.0*	51.3*	-	-	-	-	48.0*	51.3*	-	-	-	-
		80	41.6	40.6	38.2	-	-	-	42.2*	45.7*	45.9	-	-	-
		100	31.3	30.5	28.6	26.8	-	-	34.0*	36.4	34.5	32.6	-	-
		120	-	24.0	22.5	21.3	19.1	-	-	27.8*	27.2	25.6	24.1	-
		140	-	-	-	17.2	15.5	14.3	-	-	-	21.0	19.8	18.6
		160	-	-	-	-	-	11.8	-	-	-	-	-	15.3
		168	-	-	-	-	-	10.9	-	-	-	-	-	14.2
	120'	52	41.2*	-	-	-	-	-	41.2*	-	-	-	-	-
		60	40.1*	41.7*	-	-	-	-	40.1*	41.7*	-	-	-	-
		80	36.3*	39.4*	-	-	-	-	36.3*	39.4*	-	-	-	-
		100	30.8	30.0	28.0	-	-	-	31.8*	35.5*	33.9	-	-	-
		120	22.9*	23.5	21.9	20.7	-	-	22.9*	26.7*	26.6	25.0	-	-
		140	-	18.9*	18.0	16.7	14.9	-	-	18.9*	21.6	20.5	19.2	-
		160	-	-	-	13.7	12.2	11.1	-	-	-	17.0	15.9	14.8
		180	-	-	-	-	-	9.2	-	-	-	-	-	12.3
		188	-	-	-	-	-	8.6	-	-	-	-	-	11.5
	140'	57	33.1*	-	-	-	-	-	33.1*	-	-	-	-	-
		80	30.9*	33.1*	-	-	-	-	30.9*	33.1*	-	-	-	-
		100	27.8*	29.4	27.4	-	-	-	27.8*	30.8*	32.5*	-	-	-
		120	21.0*	23.0	21.3	20.1	-	-	21.0*	24.7*	26.1	24.4	-	-
		140	14.7*	17.7*	17.5	16.1	14.2	-	14.7*	17.7*	21.2	20.0	18.6	-
		160	-	12.3*	14.4	13.2	11.6	10.5	-	12.3*	17.7	16.5	15.3	14.2
		180	-	-	-	10.9	9.6	8.6	-	-	-	13.8	12.8	11.8
		200	-	-	-	-	-	7.1	-	-	-	-	-	9.9
		208	-	-	-	-	-	6.6	-	-	-	-	-	9.2
	160'	63	26.5*	-	-	-	-	-	26.5*	-	-	-	-	-
		80	25.5*	26.9*	-	-	-	-	25.5*	26.9*	-	-	-	-
		100	24.1*	25.8*	25.7*	-	-	-	24.1*	25.8*	25.7*	-	-	-
		120	19.1*	22.4	21.1	-	-	-	19.1*	23.4*	25.0*	-	-	-
		140	13.2*	16.7*	16.9	15.5	-	-	13.2*	16.7*	20.8	19.4	-	-
		160	8.8*	10.9*	13.9	12.6	11.0	-	8.8*	10.9*	17.2	15.9	14.7	-
		180	-	7.0*	11.5	10.4	9.0	8.0	-	7.0*	12.4*	13.3	12.2	11.2
		200	-	-	-	8.7	7.4	6.5	-	-	-	11.2	10.2	9.3
		220	-	-	-	-	-	5.3	-	-	-	-	-	7.8
		228	-	-	-	-	-	-	-	-	-	-	-	7.2
	160' + 30'	72	18.0*	-	-	-	-	-	18.0*	-	-	-	-	-
		100	18.0*	18.0*	-	-	-	-	18.0*	18.0*	-	-	-	-
		120	16.1*	16.9*	18.0*	-	-	-	16.1*	16.9*	18.0*	-	-	-
		140	10.8*	14.4*	15.8*	14.6	-	-	10.8*	14.4*	15.8*	16.6*	-	-
		160	6.4*	9.0*	13.0	11.7	-	-	6.4*	9.0*	13.7*	14.6*	-	-
		180	-	-	10.7	9.5	8.0	-	-	-	11.6*	12.5	11.3	-
		200	-	-	6.5*	7.8	6.5	-	-	-	6.5*	10.4	9.4	8.4
		220	-	-	-	6.4	5.3	-	-	-	-	7.9*	7.8	6.9
		240	-	-	-	-	-	-	-	-	-	-	-	5.7
		250	-	-	-	-	-	-	-	-	-	-	-	5.2

NOTE: *Indicates these capacities are based on factors other than those which would cause a tipping condition. Capacities shown in thousands of pounds.

Luffing Boom Length	Luffing Jib Length	Radii In Feet	360 Degrees Luffing Boom Angle 87°	85°	80°	75°	70°	65°	Over-the-End (Blocked) Luffing Boom Angle 87°	85°	80°	75°	70°	65°
160'	80'	42	53.9*	-	-	-	-	-	53.9*	-	-	-	-	-
		60	47.4*	51.7*	-	-	-	-	47.4*	51.7*	-	-	-	-
		80	39.7*	40.9	38.1	-	-	-	39.7*	44.5*	45.7	-	-	-
		100	-	30.7	28.6	26.4	-	-	-	36.6	34.5	32.3	-	-
		120	-	-	-	21.0	18.7	-	-	-	-	25.4	23.7	-
		140	-	-	-	-	15.1	13.8	-	-	-	-	19.4	18.1
		156	-	-	-	-	-	11.7	-	-	-	-	-	15.3
	100'	47	43.4*	-	-	-	-	-	43.4*	-	-	-	-	-
		60	40.9*	43.1*	-	-	-	-	40.9*	43.1*	-	-	-	-
		80	35.7*	39.1*	37.4	-	-	-	35.7*	39.1*	42.9*	-	-	-
		100	30.1*	30.3	28.0	25.8	-	-	30.1*	33.9*	33.9	31.7	-	-
		120	-	23.8	22.0	20.5	18.0	-	-	25.8*	26.7	24.8	23.0	-
		140	-	-	-	16.5	14.6	13.1	-	-	-	20.4	18.9	17.5
		160	-	-	-	-	12.0	10.8	-	-	-	-	15.6	14.4
		176	-	-	-	-	-	9.2	-	-	-	-	-	12.3
	120'	52	35.5*	-	-	-	-	-	35.5*	-	-	-	-	-
		60	34.5*	-	-	-	-	-	34.5*	-	-	-	-	-
		80	31.1*	33.8*	-	-	-	-	31.1*	33.8*	-	-	-	-
		100	27.1*	29.7	27.4	-	-	-	27.1*	30.5*	33.4	-	-	-
		120	20.9*	23.3	21.4	19.9	-	-	20.9*	24.4*	26.1	24.2	-	-
		140	-	17.8*	17.6	16.0	13.9	-	-	17.8*	21.2	19.9	18.3	-
		160	-	-	-	13.1	11.4	10.1	-	-	-	16.4	15.1	13.8
		180	-	-	-	-	9.4	8.3	-	-	-	-	12.6	11.5
		196	-	-	-	-	-	7.1	-	-	-	-	-	9.9
	140'	58	28.4*	-	-	-	-	-	28.4*	-	-	-	-	-
		80	26.4*	28.4*	-	-	-	-	26.4*	28.4*	-	-	-	-
		100	24.1*	26.2*	26.7	-	-	-	24.1*	26.2*	28.6*	-	-	-
		120	19.2*	22.7*	21.2	19.2	-	-	19.2*	22.7*	25.6	23.6	-	-
		140	13.6*	16.6*	17.0	15.4	-	-	13.6*	16.6*	21.0	19.3	-	-
		160	-	11.5*	14.0	12.6	10.7	-	-	11.5*	17.3	15.9	14.5	-
		180	-	-	-	10.4	8.8	7.7	-	-	-	13.3	12.1	10.9
		200	-	-	-	-	7.3	6.3	-	-	-	-	10.1	9.1
		216	-	-	-	-	-	5.3	-	-	-	-	-	7.8
	160'	64	23.2*	-	-	-	-	-	23.2*	-	-	-	-	-
		80	22.7*	23.6*	-	-	-	-	22.7*	23.6*	-	-	-	-
		100	20.8*	22.4*	-	-	-	-	20.8*	22.4*	-	-	-	-
		120	17.2*	21.0*	20.6	-	-	-	17.2*	21.0*	22.4*	-	-	-
		140	12.2*	15.1*	16.5	14.8	-	-	12.2*	15.1*	20.0*	18.7	-	-
		160	8.1*	10.3*	13.5	12.0	10.1	-	8.1*	10.3*	16.8	15.3	13.9	-
		180	-	6.5*	11.1	9.8	8.2	7.0	-	6.5*	11.9*	12.7	11.5	10.2
		200	-	-	-	8.2	6.7	5.6	-	-	-	10.7	9.6	8.5
		220	-	-	-	-	5.5	-	-	-	-	-	8.0	7.0
		236	-	-	-	-	-	-	-	-	-	-	-	6.0
	160' + 30'	73	17.4*	-	-	-	-	-	17.4*	-	-	-	-	-
		100	16.4*	17.5*	-	-	-	-	16.4*	17.5*	-	-	-	-
		120	14.6*	16.1*	16.7*	-	-	-	14.6*	16.1*	16.7*	-	-	-
		140	9.7*	13.0*	15.3*	-	-	-	9.7*	13.0*	15.3*	-	-	-
		160	5.8*	8.3*	12.6	11.1	-	-	5.8*	8.3*	13.4*	14.3	-	-
		180	-	-	10.3	9.0	7.2	-	-	-	11.4*	11.9	10.6	-
		200	-	-	6.6*	7.3	5.8	-	-	-	6.6*	9.9	8.7	7.5
		220	-	-	-	6.0	-	-	-	-	-	8.3	7.2	6.1
		240	-	-	-	-	-	-	-	-	-	-	5.9	5.0
		250	-	-	-	-	-	-	-	-	-	-	5.4	-
180'	100'	48	36.8*	-	-	-	-	-	36.8*	-	-	-	-	-
		60	34.8*	36.6*	-	-	-	-	34.8*	36.6*	-	-	-	-
		80	30.1*	33.4*	-	-	-	-	30.1*	33.4*	-	-	-	-
		100	25.6*	28.5*	27.3	-	-	-	25.6*	28.5*	32.8*	-	-	-
		120	-	23.5*	21.4	19.6	-	-	-	23.5*	26.2	24.0	-	-
		140	-	-	17.6	15.8	13.5	-	-	-	21.3	19.7	18.0	-
		160	-	-	-	-	11.1	9.7	-	-	-	-	14.8	13.3
		180	-	-	-	-	-	7.9	-	-	-	-	-	11.1
		185	-	-	-	-	-	7.5	-	-	-	-	-	10.6
	120'	53	30.2*	-	-	-	-	-	30.2*	-	-	-	-	-
		60	29.7*	-	-	-	-	-	29.7*	-	-	-	-	-
		80	26.1*	29.0*	-	-	-	-	26.1*	29.0*	-	-	-	-
		100	23.0*	25.5*	26.7	-	-	-	23.0*	25.5*	28.6*	-	-	-
		120	18.9*	22.0*	21.2	19.0	-	-	18.9*	22.0*	25.2*	23.3	-	-
		140	-	16.4*	17.1	15.2	12.8	-	-	16.4*	21.0	19.2	17.3	-
		160	-	-	14.1	12.5	10.5	9.0	-	-	17.4	15.8	14.2	12.7
		180	-	-	-	-	8.6	7.3	-	-	-	-	11.9	10.5
		200	-	-	-	-	-	6.0	-	-	-	-	-	8.8
		205	-	-	-	-	-	5.7	-	-	-	-	-	8.4
	140'	59	24.4*	-	-	-	-	-	24.4*	-	-	-	-	-
		80	22.8*	24.5*	-	-	-	-	22.8*	24.5*	-	-	-	-
		100	20.5*	22.4*	25.0*	-	-	-	20.5*	22.4*	25.0*	-	-	-
		120	17.0*	20.2*	20.6	-	-	-	17.0*	20.2*	22.2*	-	-	-
		140	12.5*	14.8*	16.5	14.6	-	-	12.5*	14.8*	19.5*	18.6	-	-
		160	-	10.6*	13.6	11.9	9.8	-	-	10.6*	16.9*	15.3	13.6	-
		180	-	-	11.3	9.8	8.0	6.6	-	-	11.9*	12.7	11.3	9.9
		200	-	-	-	-	6.6	5.3	-	-	-	-	9.4	8.2
		220	-	-	-	-	-	-	-	-	-	-	-	6.8
		225	-	-	-	-	-	-	-	-	-	-	-	6.5
	160'	65	20.2*	-	-	-	-	-	20.2*	-	-	-	-	-
		80	19.5*	20.5*	-	-	-	-	19.5*	20.5*	-	-	-	-
		100	17.9*	19.6*	-	-	-	-	17.9*	19.6*	-	-	-	-
		120	15.3*	17.9*	19.3*	-	-	-	15.3*	17.9*	19.3*	-	-	-
		140	10.8*	13.6*	16.0	14.0	-	-	10.8*	13.6*	17.1*	17.3*	-	-
		160	7.1*	9.4*	13.0	11.3	9.1	-	7.1*	9.4*	15.0*	14.7	13.0	-
		180	-	5.9*	10.8	9.2	7.3	-	-	5.9*	11.4*	12.2	10.7	-
		200	-	-	7.0*	7.6	5.9	-	-	-	7.0*	10.2	8.9	7.6
		220	-	-	-	-	-	-	-	-	-	-	7.4	6.2
		240	-	-	-	-	-	-	-	-	-	-	-	5.1
	160' + 30'	74	15.1*	-	-	-	-	-	15.1*	-	-	-	-	-
		100	14.4*	15.4*	-	-	-	-	14.4*	15.4*	-	-	-	-
		120	12.7*	14.0*	14.8*	-	-	-	12.7*	14.0*	14.8*	-	-	-
		140	8.5*	11.5*	13.2*	-	-	-	8.5*	11.5*	13.2*	-	-	-
		160	5.0*	7.4*	11.7*	10.3	-	-	5.0*	7.4*	11.7*	11.7*	-	-
		180	-	-	9.9	8.3	-	-	-	-	10.3*	10.5*	9.7	-
		200	-	-	6.1	6.7	-	-	-	-	6.1*	9.3	8.0	-
		220	-	-	-	5.4	-	-	-	-	-	7.8	6.5	5.3
		240	-	-	-	-	-	-	-	-	-	-	5.3*	-

NOTE: *Indicates these capacities are based on factors other than those which would cause a tipping condition. Capacities shown in thousands of pounds.

LS-248H II Luffing Crane Capacities

Luffing Boom Length	Luffing Jib Length	Radii In Feet	360 Degrees Luffing Boom Angle						Over-the-End (Blocked) Luffing Boom Angle					
			87°	85°	80°	75°	70°	65°	87°	85°	80°	75°	70°	65°
190'	140'	60	22.6*	-	-	-	-	-	22.6	-	-	-	-	-
		80	21.2*	22.7*	-	-	-	-	21.2	22.7	-	-	-	-
		100	19.0*	20.9*	22.9*	-	-	-	19.0	20.9	22.9	-	-	-
		120	16.1*	19.0*	20.3	-	-	-	16.1	19.0	20.3	-	-	-
		140	11.7*	14.0*	16.3	14.2	-	-	11.7	14.0	17.9	17.8	-	-
		160	-	10.1*	13.3	11.5	9.3	-	-	10.1	15.8	14.9	13.2	-
		180	-	-	11.1	9.5	7.6	6.1	-	-	11.4	12.4	10.9	9.4
		200	-	-	-	-	6.2	-	-	-	-	-	9.1	7.7
		220	-	-	-	-	-	-	-	-	-	-	-	6.4
		229	-	-	-	-	-	-	-	-	-	-	-	5.8
	160'	65	18.8*	-	-	-	-	-	18.8	-	-	-	-	-
		80	18.1*	19.1*	-	-	-	-	18.1	19.1	-	-	-	-
		100	16.7*	18.2*	-	-	-	-	16.7	18.2	-	-	-	-
		120	14.4*	16.5*	17.6*	-	-	-	14.4	16.5	17.6	-	-	-
		140	10.1*	12.8*	15.6*	13.6*	-	-	10.1	12.8	15.6	15.5	-	-
		160	6.7*	8.8*	12.8	10.9	-	-	6.7	8.8	13.8	13.5	-	-
		180	-	5.6*	10.5	8.9	6.9	-	-	5.6	10.7	11.9	10.3	-
		200	-	-	6.9*	7.3	5.5	-	-	-	6.9	9.9	8.5	7.1
		220	-	-	-	-	-	-	-	-	-	-	7.0	5.8
		234	-	-	-	-	-	-	-	-	-	-	-	-
		240	-	-	-	-	-	-	-	-	-	-	-	-
	160' + 30'	74	14.1*	-	-	-	-	-	14.1*	-	-	-	-	-
		80	14.1*	-	-	-	-	-	14.1*	-	-	-	-	-
		100	13.3*	14.3*	-	-	-	-	13.3*	14.3*	-	-	-	-
		120	11.6*	12.8*	13.4*	-	-	-	11.6*	12.8*	13.4*	-	-	-
		140	7.8*	10.5*	12.0*	-	-	-	7.8*	10.5*	12.0*	-	-	-
		160	-	6.9*	10.5*	10.0	-	-	-	6.9*	10.5*	10.3*	-	-
		180	-	-	9.2*	8.0	-	-	-	-	9.2*	9.0*	8.2*	-
		200	-	-	5.9*	6.4	-	-	-	-	5.9*	7.8*	7.0*	-
		220	-	-	-	5.2	-	-	-	-	-	7.0*	6.1*	-
		240	-	-	-	-	-	-	-	-	-	-	5.0	-

NOTE: *Indicates these capacities are based on factors other than those which would cause a tipping condition. Capacities shown in thousands of pounds.

LS-248H II Midfall Capacities -- 360 Degrees

Luffing Boom Length (feet)	Luffing Jib Length (feet)	Radii in feet	Capacities with 87° Luffing Boom Angle	Radii in feet	Capacities with 80° Luffing Boom Angle
80	110 thru 160	36 - 50 50 - 65 65 -83	15.0* 10.0* 7.5*	53 - 60 60 - 75 75 - 92	15.0* 10.0* 7.5*
100	110 thru 160	37 - 50 50 - 65 65- 84	15.0* 10.0* 7.5*	56 - 60 60 - 75 75 - 95	15.0* 10.0* 7.5*
120	110 thru 160	37 - 50 50 - 65 65 - 85	15.0* 10.0* 7.5*	60 - 65 65 - 80 80 - 99	15.0* 10.0* 7.5*
140	110 thru 160	38 - 50 50 - 65 65 - 86	15.0* 10.0* 7.5*	63 - 70 70 - 80 80 - 102	15.0* 10.0* 7.5*
160	110 thru 160	39 - 55 55 - 70 70 - 87	15.0* 10.0* 7.5*	67 - 70 70 - 90 90 - 106	15.0* 10.0* 7.5*
180	110 thru 160	40 - 55 55 - 70 70 - 88	15.0* 10.0* 7.5*	70 - 75 75 - 90 90 - 109	15.0* 10.0* 7.5*
190	110 thru 160	45 - 55 55 - 70 70 - 88	15.0* 10.0* 7.5*	72 - 80 80 - 90 90 - 111	15.0* 10.0* 7.5*

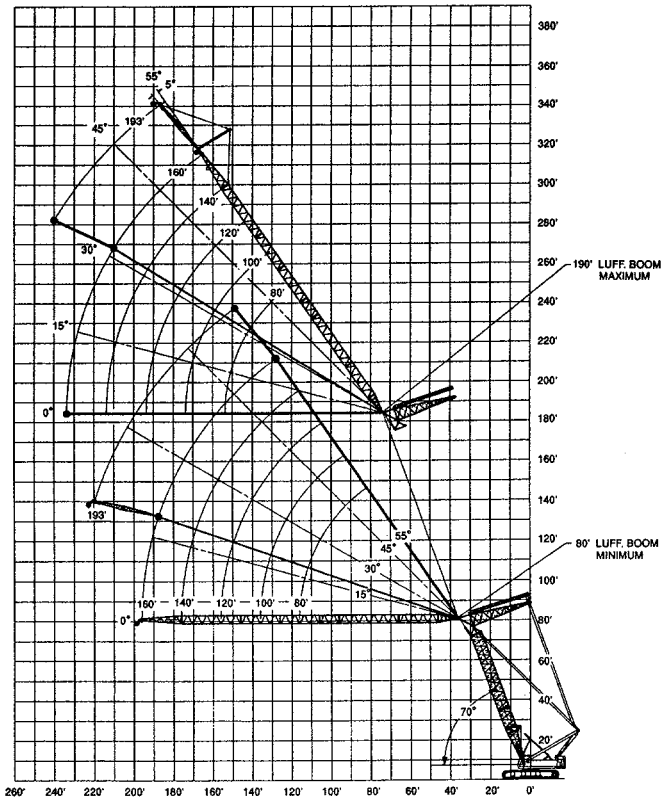
NOTE: *Indicates these capacities are based on factors other than those which would cause a tipping condition. Capacities shown in thousands of pounds.

Link-Belt
CONSTRUCTION EQUIPMENT

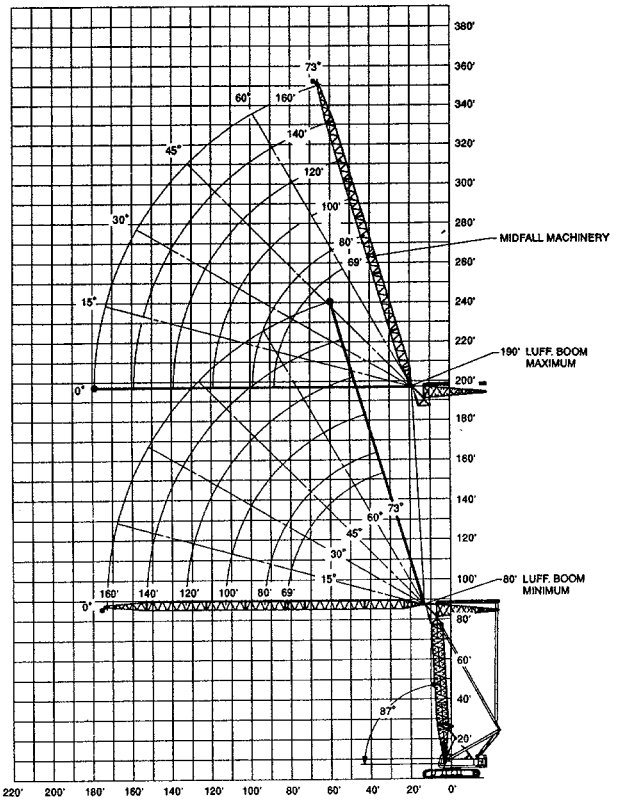
LS-248H II Luffing Crane Working Ranges

(See Crane Operating Manual for all available working ranges)

70° Luffing Boom Angle



87° Luffing Boom Angle



Luffing Attachment Capacity Notes:

1. Capacities shown are in pounds and are not more than 75% of the tipping loads with the crane standing level on firm supporting surface. A deduction must be made from these capacities for weight of hook block, hook ball, sling, grapple, load weighing device, etc. See Operator's Manual for all limitations when raising or lowering attachment.
2. The crane capacities marked with an asterisk are based on structural strength. The crane capacities in the non-asterisked areas are based on stability ratings.
3. For recommended reeving, parts of line, wire rope type and wire rope inspection, see Operator's Manual and Parts Manual.
4. Capacities are based on freely suspended loads and make no allowances for such factors as the effect of the wind, ground conditions, and operating speeds. The operator shall therefore reduce load ratings in order to take these conditions into account.
5. The 30 ft. (9.14 m) luffing boom live mast must be used for all capacities shown in these charts.
6. The least stable rated condition is over the side.
7. The attachment must be erected and lowered directly over the end of the lower.
8. Do not operate at radii and boom lengths where charts lists no capacities. Do not use longer booms or jibs than those listed in the Crane Rating Manual. Any of the above can cause a tipping condition, or boom and jib failure.
9. Do not travel with a load.
10. Refer to the Crane Rating Manual for wind speed restriction chart for safe operation, travel and storage of the attachment.
11. Refer to the Crane Rating Manual for capacity reductions for auxiliary load handling equipment.
12. These capacities apply only to the crane as originally manufactured and normally equipped by Link-Belt Construction Equipment Company.

Link-Belt Construction Equipment Company Lexington, Kentucky
A unit of Sumitomo Construction Machinery Co., Ltd.