

Lorain RT 350 D- Load Charts

Capacity Charts — Pounds (32'-81' boom)

LRT 300D SERIES

CAPACITY: 35 TON
COUNTERWEIGHT:
W/AUX. WINCH 4300 lb
W/O-AUX. WINCH 5100 lb
BOOM LENGTH 32-81 ft

OUTRIGGER SPREAD 20 ft. 3 in.
STABILITY PCT.
ON OUTRIGGERS 85%
ON TIRES 75%
PCSA CLASS 10-117

IMPORTANT This specification sheet is not to be used as load rating chart in the machine as data may be subject to change.

ON OUTRIGGERS															
R A D I U S	BOOM LENGTH 32'		BOOM LENGTH 44.25'		BOOM LENGTH 56.50'		BOOM LENGTH 68.75'		BOOM LENGTH 81'		R A D I U S				
	FRONT	360°	FRONT	360°	FRONT	360°	FRONT	360°	FRONT	360°					
10	65	70,000*	70,000*	73	70,000*	70,000*					10				
12	61	62,800*	62,800*	70	63,200*	63,200*	75	52,000*	52,000*		12				
15	55	49,800*	49,800*	65	50,200*	50,200*	72	45,800*	45,800*	75	51,200*	51,200*			
20	43	36,400*	36,400*	58	36,900*	36,900*	66	37,100*	37,100*	71	25,900*	25,900*	75	21,000*	21,000*
25	27	28,200*	27,700	50	28,700*	28,200	61	28,900*	28,400	66	22,000*	22,000*	72	17,700*	17,700*
30				41	21,800	19,900	55	22,000	20,100	62	19,200*	19,200*	67	15,400*	15,400*
35				30	16,400	14,900	48	16,500	15,200	57	16,800	15,300	63	13,400*	13,400*
40				9	12,800	11,600	40	13,100	11,900	52	13,200	12,000	59	11,900*	11,900*
45							31	10,500	9,500	47	10,700	9,600	55	10,600*	9,700
50							19	8,600	7,700	40	8,800	7,900	50	8,800	7,900
55										33	7,300	6,500	46	7,400	6,600
60										24	6,100	5,400	40	6,200	5,500
65													34	5,200	4,600
70													28	4,400	3,800
75													16	3,700	3,100

ON TIRES											
R A D I U S	M A X I M U M	18.00 X 25-28 PR				23.50 X 25-20 PR				R A D I U S	
		STATIONARY		PICK & CARRY CREEP 2.5 MPH		STATIONARY		PICK & CARRY CREEP 2.5 MPH			
		380'	ST. OVER FRONT	380'	ST. OVER FRONT	380'	ST. OVER FRONT	380'	ST. OVER FRONT		
10	75	87	24,000	51,800*	40,000*	28,400*	24,700	43,000*	32,800*	22,600*	10
12	75	83	18,900	45,400*	35,000*	24,600*	20,200	37,600*	28,500*	19,900*	12
15	75	87	13,900	28,500	28,500	20,300*	14,800	27,400	23,600*	15,800*	15
20	75	45	8,100	16,300	16,300	15,200*	9,000	16,300	16,500	11,600*	20
25	75	29	5,100	10,800	10,800	10,800	5,700	10,900	10,900	8,700*	25
30	74	0	3,100	7,600	7,600	7,800	3,700	7,700	7,700	6,800*	30
35	68	0	2,100	5,800	5,800	5,800	2,300	5,800	5,800	5,200*	35
40	81	9	1,300	4,400	4,400	4,400	1,700	4,500	4,500	4,100*	40
45	58	0		3,400	3,400	3,400	1,700	3,400	3,400	3,300*	45
50	52	0		2,300	2,300	2,300		2,700	2,700	2,300*	50
55	48	0		1,900	1,900	1,900		2,000	2,000	1,800*	55
60	41	0		1,300	1,500	1,500		1,500	1,500	1,400*	60
65	33	0		1,100	1,100	1,100		1,100	1,100		65

REDUCTION IN MAIN BOOM CAPACITY

ALL JIBS IN STOWED POSITION 0 Lbs.

32'-49' SIDE STOW
JIB ERECTED
STINGER RETRACTED 2440 Lbs.

32'-49' SIDE STOW
JIB ERECTED
STINGER EXTENDED 2810 Lbs.

HOOK BLOCK WEIGHTS

HOOK & BALL 121 Lbs.

HOOK BLOCK (3 SHEAVE) 650 Lbs.

HOOK BLOCK (4 SHEAVE) 700 Lbs.

SIDE STOW JIB ON OUTRIGGERS

R A D I U S	MAX. BOOM & 32' JIB 113'	R A D I U S	MAX. BOOM & 49' JIB 130'	R A D I U S	
					360° (RECT)
75	29.0	9400*	34.0	5300*	75
73	33.0	9100*	38.5	4900*	73
70	38.5	8700*	45.5	4500*	70
67	44.5	8300*	52.5	4200*	67
64	50.0	7700*	59.0	3900*	64
61	55.0	7000*	65.0	3600*	61
58	60.0	6100	70.5	3300*	58
55	64.5	5200	76.0	3100*	55
52	69.0	4500	81.5	2900*	52
49	73.5	3900	86.5	2700*	49
46	77.5	3400	91.5	2600*	46
43	81.5	3000	95.5	2500	43
40	85.0	2800	100.0	2100	40
36	90.0	2200	105.0	1700	36
31	95.0	1800	111.0	1400	31
25	100.5	1400	116.5	1100	25
18	105.0	1200			18

RECOMMENDED TIRE PRESSURE				
TIRE SIZE	STATIONARY	CREEP	2 1/2 MPH	TRAVEL
18.00 X 25-28 PR	100 PSI	100 PSI	80 PSI	70 PSI
23.50 X 25-20 PR	70 PSI	70 PSI	55 PSI	50 PSI

MAXIMUM PERMISSIBLE HOIST LINE LOAD								
LINE PARTS	1	2	3	4	5	6	7	8
MAIN HOIST	9,700	19,400	29,100	38,800	48,500	58,200	67,900	77,600
AUX. HOIST	7,600	15,200	22,800	30,400	38,000	45,600	53,200	60,800
BOOM HEAD	2	2-D	2-3	1-2-D	1-2-3	1-2-3-D	1-2-3-4	1-2-3-4-8
HOOK BLOCK	0	2	2-D	1-2	1-2-D	1-2-3	1-2-3-D	1-2-3-4
MAIN & OPT. AUX. HOIST LINE	5/8" DIA. 8x19 OR 8x37 IWRC. IPS. REG LAY PREFORMED WIRE ROPE. MINIMUM BREAKING STRENGTH - 17.8 TONS. MAXIMUM PERMISSIBLE PULL - 10,228 Lbs.			AUX. HOIST LINE 1/2" DIA. 8x19 OR 8x37 IWRC. XIPS. REG LAY PREFORMED WIRE ROPE. MINIMUM BREAKING STRENGTH - 13.5 TONS. MAXIMUM PERMISSIBLE PULL - 7,900 Lbs.				

NOTES FOR ON TIRES CAPACITIES

- FOR PICK AND CARRY OPERATIONS, BOOM MUST BE CENTERED OVER THE FRONT OF THE CRANE WITH SWING BRAKE LOCKED OR WITH MECHANICAL SWING LOCK ENGAGED. IF SO EQUIPPED, USE MINIMUM BOOM POINT HEIGHT AND KEEP LOAD CLOSE TO GROUND SURFACE.
- THE LOAD SHOULD BE RESTRAINED FROM SWINGING. DO ON TIRE OPERATION WITH JIB ERECTED.
- WITHOUT OUTRIGGERS, NEVER MANEUVER THE BOOM BEYOND LISTED LOAD RADI FOR APPLICABLE TIRES USED TO ENSURE STABILITY.
- CREEP SPEED IS CRANE MOVEMENT OF LESS THAN 200 FT. (61m) IN 30 MINUTE PERIOD AND NOT EXCEEDING 1.0 mph (1.6 km/h).
- REFER TO GENERAL NOTES FOR ADDITIONAL INFORMATION.

NOTES FOR JIB CAPACITIES

- FOR ALL BOOM LENGTHS LESS THAN THE MAXIMUM WITH A JIB ERECTED, THE RATED LOADS ARE DETERMINED BY BOOM ANGLE ONLY IN THE APPROPRIATE COLUMN.
- FOR BOOM ANGLE NOT SHOWN, USE THE CAPACITY OF THE NEXT LOWER BOOM ANGLE.
- LISTED RADII ARE FOR FULLY EXTENDED BOOM ONLY.