

TC-108D pedestal lifting crane capacities

Boom — angle; 34" x 34" (.86 x .86 m) with open throat top section. 1 1/4" (31.75 mm) dia. boom pendants, retractable high gantry and with or without 10' (3.05 m) boom tip extension.

Counterweight — 19,200 lbs. (8 709 kg)

Boom				Lifting Crane Capacities Only							
Length	Radius		Angle	Main Boom				Boom Tip Extension			
	Feet	Meters		Without 10' (3.05 m) Boom Tip Extension Mounted on Boom		With 10' (3.05 m) Boom Tip Extension Mounted on Boom		Main Boom Angle	With 10' (3.05 m) Boom Tip Extension Mounted 15° Offset From Boom C/L		
			Degree	Pounds	Kilograms	Pounds	Kilograms	Degree	Pounds	Kilograms	
40' (12.19 m)	10	3.05	80.2	100,000	45,360	100,000	45,360	—	—	—	
	11	3.35	78.7	96,600	43,818	95,100	43,137	—	—	—	
	12	3.66	77.2	89,600	40,643	88,100	39,962	—	—	—	
	13	3.96	75.8	83,500	37,876	82,000	37,195	—	—	—	
	14	4.26	74.3	78,200	35,472	76,700	34,791	—	—	—	
	15	4.57	72.8	73,500	33,340	72,000	32,659	79.6	10,000	4,536	
	20	6.10	65.1	56,400	25,583	54,900	24,903	73.5	↑	↑	
	25	7.62	56.9	45,600	20,684	44,100	20,004	67.1	↑	↑	
	30	9.14	47.9	37,400	16,965	35,900	16,284	60.4	↑	↑	
	35	10.67	37.3	31,400	14,243	29,900	13,563	53.2	↑	↑	
40	12.19	22.9	27,000	12,247	25,500	11,567	45.0	10,000	4,536		
50' (15.24 m)	12	3.66	79.8	89,200	40,461	87,700	39,781	—	—	—	
	13	3.96	78.7	83,100	37,694	81,600	37,014	—	—	—	
	14	4.26	77.5	77,800	35,290	76,300	34,610	—	—	—	
	15	4.57	76.3	73,100	33,158	71,600	32,478	—	—	—	
	20	6.10	70.3	56,000	25,402	54,500	24,721	76.4	10,000	4,536	
	25	7.62	64.1	45,200	20,503	43,700	19,822	71.3	↑	↑	
	30	9.14	57.5	37,000	16,783	35,500	16,103	65.9	↑	↑	
	35	10.67	50.4	31,000	14,062	29,500	13,381	60.3	↑	↑	
	40	12.19	42.5	26,600	12,066	25,100	11,385	54.4	↑	↑	
	50	15.24	20.5	20,600	9,344	19,100	8,664	40.6	10,000	4,536	
60' (18.29 m)	15	4.57	78.6	72,700	32,977	71,200	32,296	—	—	—	
	20	6.10	73.7	55,600	25,220	54,100	24,540	78.4	10,000	4,536	
	25	7.62	68.7	44,800	20,321	43,300	19,641	74.1	↑	↑	
	30	9.14	63.4	36,700	16,647	35,200	15,967	69.7	↑	↑	
	35	10.67	57.9	30,700	13,926	29,200	13,245	65.1	↑	↑	
	40	12.19	52.1	26,300	11,930	24,800	11,249	60.3	↑	↑	
	50	15.24	38.7	20,200	9,163	18,700	8,482	49.9	↑	↑	
	60	18.29	18.7	16,200	7,348	14,700	6,668	37.3	10,000	4,536	
	70' (21.34 m)	15	4.57	80.3	66,300	30,074	64,800	29,393	—	—	—
		20	6.10	76.1	55,200	25,039	53,700	24,358	79.9	10,000	4,536
25		7.62	71.8	44,400	20,140	42,900	19,459	76.2	↑	↑	
30		9.14	67.5	36,400	16,511	34,900	15,831	72.4	↑	↑	
35		10.67	62.9	30,400	13,789	28,900	13,109	68.5	↑	↑	
40		12.19	58.2	26,000	11,794	24,500	11,113	64.4	↑	↑	
50		15.24	48.0	19,900	9,027	18,400	8,346	55.9	↑	↑	
60		18.29	35.7	15,900	7,212	14,400	6,532	46.3	↑	↑	
70		21.34	17.3	11,500	5,216	10,000	4,536	34.6	10,000	4,536	
80' (24.38 m)		20	6.10	77.8	51,900	23,542	50,400	22,861	—	—	—
	25	7.62	74.2	43,200	19,596	41,700	18,915	77.8	10,000	4,536	
	30	9.14	70.4	36,000	16,330	34,500	15,649	74.4	↑	↑	
	35	10.67	66.5	30,000	13,608	28,500	12,928	71.0	↑	↑	
	40	12.19	62.6	25,600	11,612	24,100	10,932	67.5	↑	↑	
	50	15.24	54.2	19,500	8,845	18,000	8,165	60.2	↑	↑	
	60	18.29	44.7	14,600	6,623	13,100	5,942	52.3	10,000	4,536	
	70	21.34	33.3	11,200	5,080	9,700	4,400	43.4	9,700	4,400	
	80	24.38	16.2	8,000	3,629	6,500	2,948	32.5	6,500	2,948	
	90' (27.43 m)	20	6.10	79.2	45,500	20,639	44,000	19,958	—	—	—
25		7.62	76.0	38,400	17,418	36,900	16,738	79.0	10,000	4,536	
30		9.14	72.6	31,900	14,470	30,400	13,789	76.0	↑	↑	
35		10.67	69.3	27,300	12,383	25,800	11,703	73.0	↑	↑	
40		12.19	65.8	23,600	10,705	22,100	10,025	69.9	↑	↑	
50		15.24	58.6	17,700	8,029	16,200	7,348	63.5	↑	↑	
60		18.29	50.8	13,100	5,942	11,600	5,262	56.7	10,000	4,536	
70		21.34	42.0	10,100	4,581	8,600	3,901	49.3	8,600	3,901	
80		24.38	31.4	7,700	3,493	6,200	2,812	41.0	6,200	2,812	
90		27.43	15.2	5,500	2,495	4,000	1,814	30.7	4,000	1,814	
100' (30.48 m)	25	7.62	77.4	34,300	15,558	32,800	14,878	—	—	—	
	30	9.14	74.4	28,500	12,928	27,000	12,247	77.4	10,000	4,536	
	35	10.67	71.4	24,400	11,068	22,900	10,387	74.6	↑	↑	
	40	12.19	68.4	21,000	9,526	19,500	8,845	71.9	↑	↑	
	50	15.24	62.1	15,100	6,849	13,600	6,169	66.2	↑	↑	
	60	18.29	55.4	11,600	5,262	10,100	4,581	60.2	10,000	4,536	
	70	21.34	48.1	9,000	4,082	7,500	3,402	53.8	7,500	3,402	
	80	24.38	39.8	7,000	3,175	5,500	2,495	46.8	5,500	2,495	
	90	27.43	29.7	5,300	2,404	3,800	1,724	38.9	3,800	1,724	
	100	30.48	14.4	3,700	1,678	2,200	998	29.1	2,200	998	

Notes — lifting crane capacities

1. Capacities shown are maximum allowable, and in all cases are limited to strength capabilities of the machine. Proper design of the supporting structure to withstand loadings imposed by the machine — and proper mounting of the mounting plate on the supporting structure — shall be the responsibility of others.
2. A deduction must be made from these capacities for weight of hook block, hook, slings, spreader bar, bucket, grapple, magnet, or other suspended gear.
3. For lifting maximum rated capacity with 3/4" (19.05 mm) wire rope, 7-parts of 3/4" (19.05 mm) type "N" wire rope are required.
4. Boom length for lifting crane application shall not exceed 100' (30.48 m).
5. Jib must not be mounted on boom longer than 100' (30.48 m).
6. Jib length must not exceed 50' (15.24 m).
7. Retractable high gantry must be fixed in raised position for all capacities on this chart.
8. These capacities apply to the machine only as manufactured and normally equipped by Link-Belt Construction Equipment Company.

Notes — tip extension capacities

1. Maximum capacity of the 10' (3.05 m) boom tip extension is 10,000 lbs. (4 536 kg) providing the load at its operating radius is within the lifting capacity of the machine.
2. When determining permissible load to be handled off 10' (3.05 m) boom tip extension, make certain actual load operating radius is the same as radius shown on the capacity chart.
3. 10' (3.05 m) boom tip extension must be fixed in working position — 15° offset from boom centerline **only**.
4. Do not lift load on 10' (3.05 m) boom tip extension when main load hook is in use.
5. 10' (3.05 m) boom tip extension must not be mounted on main boom longer than 100' (30.48 m).
6. Jib cannot be mounted on boom equipped with boom tip extension.
7. Also refer to notes 1, 2, 4, 5, 6, 7 and 8 under "Notes — lifting crane capacities".

GENERAL INFORMATION ONLY

Link-Belt Construction Equipment Company Lexington, Kentucky

A unit of Sumitomo Construction Machinery Co., Ltd.

©Link-Belt is a registered trademark. Copyright 1992.

We are constantly improving our products and therefore reserve the right to change designs and specifications.