

Crane Weights

Note: Weights may fluctuate $\pm$ 3% due to manufacturing tolerances

	Weight	
	Pounds	Kilograms
LIFTCRANE - BOOM NO. 78T:		
Upperworks and carrier complete, 95,400 Lb. crane counterweight, 25,000 Lb. front bumper counterweight, boom hoist cylinders, mast, fully rigged 42.5 Ft. (13.0m) boom No. 78T (including upper boom point, 175 Ton (160t) block, and 15 Ton (14t) hook and weight ball), boom stops and maximum length hoist and whip lines - - - - -	275,800	125 100
UPPERWORKS WITH MAST AND LOWER BOOM BUTT:		
Upperworks with two full power drums, operator's cab, boom hoist cylinders, mast, lower boom butt, and maximum length hoist and whip lines - - - - -	54,560	24 748
CARRIER:		
Carrier with counterweight handling cylinders - - - - -	57,480	26 072
Rear outriggers with jacks and pads - - - - -	13,970	6 336
Front outrigger (each) with jack and pad - - - - -	4,035	1 830
Total carrier with outriggers, jacks, pads, and counterweight handling cylinders - - - - -	79,520	36 069
COUNTERWEIGHT - UPPER:		
Box (each) 5 required - - - - -	16,975	7 699
Tray - - - - -	10,400	4 717
Tray pins - upper (each) - - - - -	20	9
Tray pins - lower (each) - - - - -	15	6
Counterweight pins (each) - - - - -	5	2
Total upperworks counterweight - - - - -	95,400	43 272
COUNTERWEIGHT - FRONT BUMPER:		
Adaptor - - - - -	8,045	3 649
Front bumper counterweight - - - - -	16,975	7 699
Adaptor pins (each) - - - - -	5	2
Counterweight pins (each) - - - - -	5	2
BOOM STOP:		
Lower tube (each) - - - - -	145	65
Upper tube (each) - - - - -	300	136
Spring (each) - - - - -	75	34
MAST:		
26 Ft. 0 in. (7 925 mm) mast - - - - -	4,880	2 213
21 Ft. 0 in. (6.4m) assembly pendant (each) - - - - -	155	70
Hydraulic boom hoist cylinders - wet (each) with pins - - - - -	4,540	2 059

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BOOM NO. 78T:		
9 Ft. 6 in. (2.9m) lower butt - - - - -	2,465	1 118
13 Ft. 0 in. (4.0m) upper butt with wire rope guide - - - - -	4,285	1 943
20 Ft. 0 in. (6.1m) top (with lower point, wire rope guide and pendant links) - - - - -	6,730	3 052
17 Ft. 6 in. (5.3m) insert with wire rope guides - - - - -	4,080	1 850
10 Ft. 0 in. (3.0m) insert - - - - -	1,140	517
20 Ft. 0 in. (6.1m) insert - - - - -	1,990	902
20 Ft. 0 in. (6.1m) insert (with jib backstay lugs) - - - - -	2,120	961
50 Ft. 0 in. (15.2m) insert - - - - -	4,265	1 934
50 Ft. 0 in. (15.2m) insert (with jib backstay lugs) - - - - -	4,395	1 993
14 Ft. 1-13/32 in. (4.3m) basic strap (each) - - - - -	175	79
9 Ft. 5 in. (2.9m) strap (each) - - - - -	120	54
19 Ft. 5 in. (5.9m) strap (each) - - - - -	235	106
49 Ft. 5 in. (15.1m) strap (each) - - - - -	570	258
0 Ft. 7 in. (0.2m) connector links with pins (1 set of 2 links) - - - - -	35	15
Intermediate suspension beam - - - - -	160	72
Intermediate suspension link (each) with pin - - - - -	30	13
4 Ft. 7-1/8 in. (1.4m) Intermediate suspension pendant (each) - - - - -	20	9
Intermediate suspension adaptor (each) - - - - -	45	20
Link - on mast (each) - - - - -	85	38
Wire rope guide (top - 2 sheave) - - - - -	985	446
Timber wire rope guard (each) - - - - -	15	6
Upper wire rope guide (upper butt) - - - - -	770	349
Wire rope guide (components of integral wire rope guide frame on upper butt) - - - - -	225	102
NO. 134 JIB:		
15 Ft. 0 in. (4.6m) butt - - - - -	580	263
15 Ft. 0 in. (4.6m) top (with jib point) - - - - -	990	449
10 Ft. 0 in. (3.0m) insert - - - - -	350	158
20 Ft. 0 in. (6.1m) insert - - - - -	580	263
30 Ft. 9 in. (9.4m) basic pendant (each) - - - - -	115	52
9 Ft. 6 in. (2.9m) pendant (each) - - - - -	65	29
19 Ft. 0 in. (5.8m) pendant (each) - - - - -	85	38
12 Ft. 6 in. (3.8m) strut with sheave - - - - -	665	301
Backstay link (each) attached to strut - - - - -	25	11
Backstay tie link - - - - -	10	4
Backstay link (each) - - - - -	65	29
Backstay spreader - - - - -	50	22
44 Ft. 7 in. (13.6m) backstay pendant (each) - - - - -	150	68
4 Ft. 8 in. (1.4m) backstay pendant (each) - - - - -	50	22
Backstay link (each) attached to boom insert - - - - -	20	9
Jib stop assembly - - - - -	155	70
Wire rope anchor - - - - -	70	31
Winch - - - - -	35	15
Load sensor - - - - -	110	49

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NO. 139 LUFFING JIB:		
27 Ft. 0 in. (8.2m) butt - - - - -	2,000	907
23 Ft. 0 in. (7.0m) top (with jib point, wire rope guide, limit control, load sensor and pendant links) - - - - -	3,675	1 666
10 Ft. 0 in. (3.0m) insert - - - - -	580	263
20 Ft. 0 in. (6.1m) insert - - - - -	980	444
40 Ft. 0 in. (12.2m) insert - - - - -	1,795	814
20 Ft. 1-1/2 in. (6.1m) basic pendant (each) - - - - -	185	83
24 Ft. 0 in. (7.3m) basic pendant (each) - - - - -	190	86
10 Ft. 1 in. (3.1m) pendant (each) - - - - -	130	58
40 Ft. 3 in. (12.3m) pendant (each) - - - - -	260	117
21 Ft. 6 in. (6.6m) jib strut with guide sheaves, luffing sheaves and links - - - - -	3,190	1 446
20 Ft. 0 in. (6.1m) main strut with luffing sheaves and links - - - - -	2,670	1 211
35 Ft. 5-1/2 in. (10.8m) basic backstay pendant (each) - - - - -	215	97
40 Ft. 3 in. (12.3m) backstay pendant (each) - - - - -	210	95
20 Ft. 1-1/2 in. (6.1m) backstay pendant (each) - - - - -	145	65
10 Ft. 0 in. (3.0m) backstay pendant (each) - - - - -	110	49
1 Ft. 6 in. (457 mm) backstay link (each) attached to mast - - - - -	160	72
Jib stop assembly - - - - -	700	317
Main strut stop assembly - - - - -	720	326
Wire rope guide on jib top (2 sheave) - - - - -	645	292
Wire rope anchor - - - - -	225	102
Luffing jib hinge pin (each) - - - - -	25	11
MACHINE OPTIONS:		
Cummins M11-C330 power plant (increase over standard) - - - - -	660	299
High line speed arrangement for front or rear drum (increase over standard) - - - - -	190	86
BOOM AND JIB OPTIONS:		
Upper boom point (single sheave) - - - - -	920	417
Auxiliary drum assembly in upper boom butt - - - - -	3,670	1 664
21-1/4 in. (540 mm) Dia. lagging for auxiliary drum - - - - -	670	303
15 Ton (14t) hook and weight ball - - - - -	1,250	566
30 Ton (27t) load block - - - - -	1,500	680
60 Ton (54t) load block - - - - -	2,825	1 281
175 Ton (160t) load block - - - - -	5,800	2 630
WIRE ROPE:		
Load lines - 1 in. rotation resistant wire rope 2.03 Lb./Ft. (3.02 kg/m)		
Hoist line - 1200 Ft. (389m) - - - - -	2,435	1 104
Whip line - 900 Ft. (274m) - - - - -	1,825	827
Auxiliary line - 900 Ft. (274m) - - - - -	1,825	827
26 mm rotation resistant wire rope 2.13 Lb./Ft. (3.17 kg/m)		
Auxiliary line - 900 Ft. (274m) - - - - -	1,915	868
1 in. conventional wire rope 1.85 Lb./Ft. (2.75 kg/m)		
Hoist line - 1200 Ft. (389m) - - - - -	2,220	1 006
Whip line - 900 Ft. (271m) - - - - -	1,665	755
Auxiliary line - 900 Ft. (271m) - - - - -	1,665	755
26 mm conventional wire rope 1.94 Lb./Ft. (2.89 kg/m)		
Auxiliary line - 900 Ft. (271m) - - - - -	1,745	791