

Crane Weights

777 SERIES 1 777 SERIES 2

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	Weight	
	Pounds	Kilograms
LIFTCRANE - BOOM NO. 78:		
Upperworks and lowerworks complete, 38 in. (965 mm) crawler treads, counterweight, boom hoist cylinders, mast, fully rigged 60 Ft. (18.3m) boom No. 78 (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		
777 SERIES 1	261,590	118 655
777 SERIES 2	342,710	155 450
UPPERWORKS MACHINERY MODULE WITH CARBODY:		
Carbody, upperworks with two full power drums, operator's cab, boom hoist cylinders, mast, boom butt with integral wire rope guide, carbody jacking arrangement (optional), and maximum length hoist and whip lines		
	86,125	39 065
CRAWLERS:		
24 Ft. 9 in. (7 544 mm) crawler assembly with 38 in. (965 mm) treads (each)	28,210	12 795
24 Ft. 9 in. (7 544 mm) crawler assembly with 48 in. (1 219 mm) treads (each)	33,775	15 320
COUNTERWEIGHT - UPPER:		
Box - side (4 on 777 SERIES 1, 6 on SERIES 2) (each)	18,500	8 391
Tray - lower counterweight	31,035	14 077
Counterweight pins (each)	5	2
Total upperworks counterweight - 777 SERIES 1	105,000	47 627
Total upperworks counterweight - 777 SERIES 2	142,000	64 410
COUNTERWEIGHT HANDLING:		
Counterweight lifting link (each)	130	58
Pivot frame with latch, pins and end plates	1,080	489
Pendant pivot link	335	151
Strut (each) with pins	390	176
1-1/4 in. (32 mm) pendant x 6 Ft. 1-1/2 in. (1.9m) lg. (each)	85	38
1-1/2 in. (38 mm) pendant x 6 Ft. 1-1/2 in. (1.9m) lg. (each)	135	61
Counterweight hanger pins (each) with end plates	40	18
Counterweight rear support pins (each)	10	4
Hinge pins (each) on engine base	20	9
COUNTERWEIGHT - CARBODY:		
Carbody counterweight (2 on SERIES 2) (each)	22,000	9 979
Carbody counterweight steps (each)	55	24
BOOM STOP:		
Lower tube (each)	145	65
Upper tube (each)	300	136
Spring (each)	75	34

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MAST:		
26 Ft. 0 in. (7 925 mm) mast - - - - -	5,000	2 267
20 Ft. 0 in. (6.1m) pendant (each) - - - - -	195	88
16 Ft. 7-1/2 in. (5.1m) pendant (each) - - - - -	35	15
Hydraulic boom hoist cylinders - wet (each) with pins - - - - -	4,940	2 240
BOOM NO. 78:		
22 Ft. 6 in. (6.9m) butt with integral wire rope guide - - - - -	5,755	2 610
37 Ft. 6 in. (11.4m) top (with lower point, wire rope guide and pendant links) - - - - -	7,865	3 567
10 Ft. 0 in. (3.0m) insert - - - - -	1,275	578
20 Ft. 0 in. (6.1m) insert - - - - -	1,950	884
20 Ft. 0 in. (6.1m) insert (with jib backstay lugs) - - - - -	2,015	913
40 Ft. 0 in. (12.2m) insert - - - - -	3,525	1 598
40 Ft. 0 in. (12.2m) insert (with jib backstay lugs) - - - - -	3,590	1 628
37 Ft. 0 in. (11.3m) basic pendant (each) - - - - -	175	79
10 Ft. 1 in. (3.1m) pendant (each) - - - - -	80	36
20 Ft. 1-1/2 in. (6.1m) pendant (each) - - - - -	120	54
40 Ft. 3 in. (12.3m) pendant (each) - - - - -	175	79
Intermediate strut - - - - -	605	274
Link - on mast (each) - - - - -	160	72
Wire rope guide (top - 2 sheave) - - - - -	970	439
Timber wire rope guard (each) - - - - -	25	11
Wire rope guide (butt) - - - - -	900	408
Wire rope guide (components of integral rope guide frame on butt) - - - - -	205	92
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
NO. 138 JIB:		
15 Ft. 0 in. (4.6m) butt - - - - -	335	151
15 Ft. 0 in. (4.6m) top (with jib point and wheel) - - - - -	685	310
10 Ft. 0 in. (3.0m) insert - - - - -	175	79
70 Ft. 6 in. (21.5m) basic pendant - - - - -	90	40
9 Ft. 0 in. (2.7m) pendant (each) - - - - -	20	9
Pendant link (each) - - - - -	5	2
17 Ft. 9-7/16 in. (5.4m) strut with sheave - - - - -	440	199
Backstay link (each) - - - - -	5	2
56 Ft. 6-1/2 in. (17.2m) backstay pendant (each) - - - - -	75	34
Jib stop assembly - - - - -	95	43
MACHINE OPTIONS:		
Cummins M11-C330 power plant (increase over standard) - - - - -	660	299
Free fall for front drum (increase over standard) - - - - -	95	43
Free fall for rear drum (increase over standard) - - - - -	95	43
High line speed arrangement for front drum (increase over standard) - - - - -	1,140	517
High line speed arrangement for rear drum (increase over standard) - - - - -	1,140	517
High line pull arrangement for front drum (increase over standard) - - - - -	1,455	660
High line pull arrangement with free fall for front drum (increase over standard) - - - - -	1,695	769
Lifting arrangement for upperworks and carbody - - - - -	500	226
Crawler handling arrangement - - - - -	570	258
Carbody jacking arrangement with beams, cylinders and pads - - - - -	2,840	1 288
21-1/4 in. (540 mm) Dia. lagging for 30-1/8 in. (765 mm) wide drum - - - - -	535	242
25-1/4 in. (641 mm) Dia. lagging (high line pull) for 30-1/8 in. (765 mm) wide drum - - - - -	1,055	479
140 Ft. (42.7m) of 1 in. (26 mm) self-assembly wire rope - - - - -	260	117



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BOOM AND JIB OPTIONS:		
Upper boom point (single sheave) - - - - -	920	417
Lower boom point for 1-1/4 in. (32 mm) wire rope (increase over standard) - - - - -	20	9
Auxiliary drum assembly in boom butt - - - - -	3,670	1 664
21-1/4 in. (540 mm) Dia. lagging for auxiliary drum - - - - -	670	303
Wire rope guide (10 Ft. [3.0 m] insert - required with auxiliary drum) - - - - -	650	294
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 - - - - -	5,470	2 481
WIRE ROPE:		
Load lines - 1 in. rotation resistant wire rope 2.03 Lb/Ft (3.02 kg/m)		
Hoist line - 1200 Ft. (366m) - - -	2,435	1 104
Hoist line - 1400 Ft. (427m) - - -	2,840	1 288
Whip line - 890 Ft. (271m) - - -	1,805	818
Auxiliary line - 890 Ft. (271m) - - -	1,805	818
26 mm rotation resistant wire rope 2.13 Lb/Ft (3.17 kg/m)		
Hoist line - 1200 Ft. (366m) - - -	2,555	1 158
Hoist line - 1400 Ft. (427m) - - -	2,980	1 350
Whip line - 890 Ft. (271m) - - -	1,895	859
Auxiliary line - 890 Ft. (271m) - - -	1,895	859
32 mm rotation resistant wire rope 3.23 Lb/Ft (4.81 kg/m)		
Hoist line - 1000 Ft. (305m) - - -	3,230	1 465
Whip line - 860 Ft. (262m) - - -	2,780	1 261
1 in. conventional wire rope 1.85 Lb/Ft (2.75 kg/m)		
Hoist line - 1200 Ft. (366m) - - -	2,220	1 007
Hoist line - 1400 Ft. (427m) - - -	2,590	1 175
Whip line - 890 Ft. (271m) - - -	1,645	746
Auxiliary line - 890 Ft. (271m) - - -	1,645	746
26 mm conventional wire rope 1.94 Lb/Ft (2.89 kg/m)		
Hoist line - 1200 Ft. (366m) - - -	2,330	1 057
Hoist line - 1400 Ft. (427m) - - -	2,715	1 232
Whip line - 890 Ft. (271m) - - -	1,725	782
Auxiliary line - 890 Ft. (271m) - - -	1,725	782
1-1/4 in. conventional wire rope 2.89 Lb/Ft (4.30 kg/m)		
Hoist line - 1000 Ft. (305m) - - -	2,890	1 311
Whip line - 860 Ft. (262m) - - -	2,485	1 127