

Crane Weights

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

	Weight	
	Pounds	Kilograms
LIFTCRANE:		
Upperworks and lowerworks complete, 2 swing drives, counterweight, 9,75 m (32.0 ft) live mast, 20 Ton (18 t) hook and weight ball, boom stops and load lines (includes self-erect and MAX-ER prep)		
- with fully rigged 30,0 m (98.4 ft) Boom No. 58, standard upper boom point, and 450 Ton (408 t) block		
16000 SERIES 1 - - - - -	616,455	279 619
16000 SERIES 2 - - - - -	748,585	339 552
16000 SERIES 3 - - - - -	844,585	383 097
- with fully rigged 65,0 m (213.3 ft) Boom No. 58WA, extended upper boom point, and 200 Ton (181 t) block		
16000 SERIES 4 (WA) - - - - -	931,190	422 380
- with fully rigged 89,0 m (292.0 ft) Boom No. 58BRS, extended upper boom point, and 200 Ton (181 t) block		
16000 SERIES 5 - - - - -	988,730	448 480
UPPERWORKS REAR MACHINERY MODULE:		
Rotating bed rear section with upperworks jacking system, 9,75 m (32.0 ft) live mast, mast hoist with mast hoist line, whip hoist with whip hoist line, Cummins QSX15 power plant, hydraulic reservoir (full), fuel tank (1/2 full) and operators cab - - - - -	87,330	39 612
ADAPTER FRAME WITH CARBODY:		
Rotating bed adapter frame with pin pullers, bearing turntable, 2 swing drives, and carbody with pedestals and rotating bed alignment pendants (includes MAX-ER prep) - - - - -	62,085	28 161
BOOM NO. 58 BUTT SHIPPING PACKAGE:		
8,0 m (26.2 ft) boom butt, load hoist drum with rope, rigging winch with rope, cable reel, boom stops, grating, boom hinge pin-pullers, wire rope guide, and luffing drum with rope - - - - -	47,640	21 609
CRAWLERS:		
10 363 mm (34.0 ft) crawler assembly (each) with drive, 60 in. (1 524 mm) treads, handling shackles (4), and swing radius guards - - - - -	72,015	32 665
COUNTERWEIGHT - UPPER:		
Tray with pins and pendants - - - - -	44,000	19 958
Counterweight box (10 on SERIES 1, 14 on SERIES 2, 16 on SERIES 3, 18 on SERIES 4 (WA) and 5) (each) - - - - -	18,000	8 164
Total upperworks counterweight - 16000 SERIES 1 - - - - -	224,000	101 604
16000 SERIES 2 - - - - -	296,000	134 263
16000 SERIES 3 - - - - -	332,000	150 592
16000 SERIES 4 (WA) and 5 - - - - -	368,000	166 922
COUNTERWEIGHT AUXILIARY		
Tray - - - - -	6,300	2 857
Counterweight box (2) (each) - - - - -	17,500	7 938
Total auxiliary counterweight - 16000 SERIES 5 - - - - -	41,300	18 733
COUNTERWEIGHT - LOWER:		
Carbody counterweight center box (2 on SERIES 2 and 3) (each) - - - - -	30,000	13 607
Carbody counterweight side box (4 on SERIES 3, 4 (WA) and 5) (each) - - - - -	15,000	6 803
Total lowerworks counterweight - 16000 SERIES 2 - - - - -	60,000	27 215
16000 SERIES 3, 4 (WA) and 5 - - - - -	120,000	54 431
9,75 m (32.0 ft) LIVE MAST:		
9,75 m (32.0 ft) mast with straps - - - - -	9,505	4 311
MACHINE OPTIONS:		
Upperworks jacking system with pads - - - - -	7,280	3 302
Whip line hoist drum - dual drive add - - - - -	540	244
Swing drive assembly (2nd) - - - - -	1,785	809

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LOWERWORKS OPTIONS:		
Carbody pedestals with pads (each) - - - - -	115	52
Rotating bed front alignment pendants (each) - - - - -	125	56
Rotating bed rear alignment pendants (each) - - - - -	65	29
Carbody counterweight steps (each) - - - - -	65	29
Crawler handling shackles (each) - - - - -	30	13
BOOM NO. 58:		
8,0 m (26.2 ft) butt No. 58 - - - - -	15,140	6 867
5,0 m (16.4 ft) top with straps, upper and lower point and wire rope guide - - - - -	20,215	9 169
5,0 m (16.4 ft) tapered insert with boom straps - - - - -	4,860	2 204
6,0 m (19.7 ft) insert with boom straps (medium) - - - - -	5,650	2 562
12,0 m (39.4 ft) insert with sheaves and boom straps (heavy) - - - - -	12,335	5 595
12,0 m (39.4 ft) insert with boom straps (medium) - - - - -	9,340	4 236
5,0 m (16.4 ft) strap (with connector links) (each) - - - - -	355	161
6,0 m (19.7 ft) strap (with connector links) (each) - - - - -	415	188
12,0 m (39.4 ft) strap (with connector links) (each) - - - - -	755	342
Boom stop (each tube) - - - - -	1,220	553
Drum 1 assembly (load hoist without rope) - - - - -	6,855	3 109
BOOM NO. 58WA:		
<i>Components from Boom No. 58 are not included in this section</i>		
3,0 m (9.8 ft) insert with boom straps (heavy) - - - - -	3,525	1 599
6,0 m (19.7 ft) insert with boom straps (heavy) - - - - -	5,930	2 690
1,0 m (3.3 ft) cap with wire rope guide and 1,9 m (6.2 ft) straps - - - - -	6,055	2 747
7,6 m (24.9 ft) extended upper boom point with load sensor - - - - -	12,725	5 772
1,9 m (6.3 ft) strap assembly (each) - - - - -	265	120
3,0 m (9.8 ft) strap (with connector links) (each) - - - - -	245	111
Intermediate suspension assembly - - - - -	1,230	558
BOOM NO. 58BRS:		
<i>Components from Boom No. 58 and No. 58WA are not included in this section</i>		
3,0 m (9.8 ft) insert with boom straps and raising cylinder - - - - -	11,500	5 216
4,4 m (14.4 ft) strap assembly (each) - - - - -	540	245
Lifting assist frame and outrigger pad - - - - -	1,810	821
LUFFING JIB NO. 59:		
7,0 m (23.0 ft) butt No. 59 - - - - -	6,000	2 722
11,0 m (36.1 ft) top with straps, upper and lower point and wire rope guide - - - - -	13,260	6 015
6,0 m (19.7 ft) insert with jib straps (light) - - - - -	3,715	1 685
12,0 m (39.4 ft) insert with jib straps (light) - - - - -	6,455	2 928
10,4 m (34.2 ft) basic strap with connector link (each) - - - - -	660	299
6,0 m (19.7 ft) strap with connector links (each) - - - - -	415	188
12,0 m (39.4 ft) strap with connector links (each) - - - - -	755	342
7,1 m (23.5 ft) jib strut strap (each) - - - - -	430	195
11,5 m (37.7 ft) jib strut with point sheaves, straps and wire rope guide - - - - -	9,575	4 343
Upper point (single sheave) with rollers - - - - -	1,295	587
10,5 m (34.4 ft) main strut with point sheaves, straps, strut stops and lifting pendants - - - - -	10,900	4 944
Main strut stop assembly (each) - - - - -	480	218
Jib hinge pins/link assembly (each) - - - - -	195	88
Jib stop assembly (each) - - - - -	530	240
6,9 m (22.5 ft) adjustable backstay straps (each) - - - - -	445	202
1,6 m (5.2 ft) backstay links (each set) with pins - - - - -	140	64
2,1 m (6.9 ft) basic backstay strap (each) - - - - -	145	66
6,0 m (19.7 ft) backstay strap with connector links (each) - - - - -	415	188
12,0 m (39.4 ft) backstay strap with connector links (each) - - - - -	755	342
6,6 m (21.6 ft) backstay butt strap with connector links (each) - - - - -	445	202

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		Weight	
		Pounds	Kilograms
BOOM OPTIONS:			
Standard upper boom point with load sensor (single sheave) - - - - -		1,325	601
7,0 m (23 ft) extended upper boom point with load sensor - - - - -		8,100	3 674
450 Ton (408 t) load block (13 sheave) - - - - -		21,300	9 661
350 Ton (318 t) load block (9 sheave) - - - - -		17,400	7 892
250 Ton (227 t) load block (7 sheave) - - - - -		11,600	5 261
200 Ton (181 t) load block (5 sheave) - - - - -		9,500	4 309
110 Ton (100 t) load block (3 sheave) - - - - -		7,500	3 401
45 Ton (41 t) load block (self erect, 1 sheave) - - - - -		2,600	1 179
20 Ton (18 t) hook and weight ball - - - - -		1,700	771
WIRE ROPE:			
Mast Hoist			
1,620 ft (494 m) of 1-1/8 in. (28,6 mm) wire rope - 2.60 Lbs. per ft (3,87 kg/m) - - - - -		4,210	1 910
Load Lines			
28 mm - 2.76 Lbs. per ft (4,11 kg/m)	3,900 ft (1 189 m) Drum 1 - with MAX-ER - - - - -	10,765	4 883
	3,050 ft (930 m) Drum 1 - with Liftcrane - - - - -	8,420	3 819
	2,700 ft (823 m) Drum 1 - with Luffing Jib - - - - -	7,450	3 379
	3,400 ft (1 036 m) Drum 1 - with MAX-ER and Luffing Jib - - - - -	9,385	4 256
	3,100 ft (914 m) Drum 1 - with No. 58WA Boom- - - - -	8,555	3 880
	3,300 ft (1 006 m) Drum 1 - with No. 58BRS Boom - - - - -	9,110	4 131
Whip Lines			
28 mm - 2.76 Lbs. per ft (4,11 kg/m)	1,550 ft (472 m) Drum 2 - with MAX-ER and Luffing Jib - - - - -	4,280	1 941
	1,030 ft (314 m) Drum 2 - with Liftcrane - - - - -	2,845	1 290
	1,450 ft (442 m) Drum 2 - with Luffing Jib - - - - -	4,000	1 814
	1,270 ft (387 m) Drum 2 - with MAX-ER - - - - -	3,505	1 590
	1,100 ft (320 m) Drum 2 - with No. 58WA Boom - - - - -	3,035	1 377
	1,250 ft (381 m) Drum 2 - with No. 58BRS Boom - - - - -	3 450	1 565
Auxiliary Line			
1,650 ft (503 m) of 1 in. (25,4 m) wire rope - 2.26 Lbs. per ft (3,36 kg/m) - - - - -		3,730	1 692
Luffing Jib Hoist			
1,650 ft (503 m) of 1 in. (25,4 m) wire rope - 2.05 Lbs. per ft (3,05 kg/m) - - - - -		3,380	1 533
Boom Hoist (MAX-ER)			
2,400 ft (732 m) of 1-1/8 in. (28,6 m) wire rope - 2.60 Lbs. per ft (3,87 kg/m) - - - - -		6,240	2 830



Crane Weights

Wheeled Counterweight

16000 MAX-ER

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	Weight	
	Pounds	Kilograms
LIFTCRANE:		
Upperworks and lowerworks complete, 2 swing drives, crane counterweight, 9,75 m (32.0 ft) live mast, MAX-ER, 511,400 lb (231 970 kg) wheeled counterweight, 30,0 m (98.4 ft) No. 59A mast, mast stops, fully rigged 42,0 m (137.8 ft) boom No. 58, standard upper boom point, 450 Ton (408 t) block and 20 Ton (18 t) hook and weight ball, boom stops and load lines (includes self-erect and luffing jib prep) - - - - -	1,435,490	651 127
LIFTING FRAME ASSEMBLY:		
Telescopic beam assembly - - - - -	20,050	9 095
Spreader beam, links and pins - - - - -	2,330	1 056
Lifting frame - - - - -	9,220	4 182
Lifting frame hydraulic cylinder - - - - -	3,115	1 413
Platform assembly - - - - -	1,300	590
Hydraulic piping and electric control assembly - - - - -	1,085	492
Total Lifting Frame Assembly - - - - -	37,100	16 828
BASE AND WHEEL ASSEMBLY:		
Carrier base (tray) - - - - -	22,150	10 047
Bearing turntable (each) - - - - -	590	268
Swing drives (each) - - - - -	300	136
Vertical support frames (each) - - - - -	3,430	1 556
Axle assembly wheeled MAX-ER (each) - - - - -	12,260	5 560
Jack lift cylinder housings (each) - - - - -	825	374
Hydraulic jacking cylinders (each) - - - - -	450	204
Outrigger pads (each) - - - - -	75	34
Platform assembly, hydraulic piping assembly and struts - - - - -	1,090	494
Total Base and Wheel Assembly - - - - -	62,400	28 304
COUNTERWEIGHT:		
Side counterweight box (each, 8 required) - - - - -	44,000	19 958
Side counterweight box (each, 2 required) - - - - -	30,000	13 608
BOOM NO. 58 - MAX-ER:		
12,0 m (39.4 ft) insert with straps (heavy) - - - - -	11,215	5 087
12,0 m (39.4 ft) insert with equalizer rails (heavy) - - - - -	10,145	4 602
Equalizer assembly - - - - -	2,850	1 293
MAST NO. 59A BUTT/TOP SHIPPING PACKAGE:		
6,0 m (19.7 ft) mast butt, boom hoist drum with rope, boom hoist drum pressure rollers, wire rope guide, mast stops, butt supports, 6,0 m (19.7 ft) mast top with sheaves, boom equalizer, straps and links - - - - -	45,400	20 593
MAST NO. 59A - 30,0 m (98.4 ft):		
6,0 m (19.7 ft) butt with boom hoist drum with rope, wire rope guide, mast tops and support - - -	27,000	12 247
6,0 m (19.7 ft) top with straps, mast point and wire rope guide - - - - -	15,550	7 053
6,0 m (19.7 ft) insert with straps (heavy) and wire rope guide - - - - -	7,420	3 366
12,0 m (39.4 ft) insert with straps (heavy) - - - - -	9,645	4 375
6,0 m (19.7 ft) strap (with connector links) (each) - - - - -	565	256
12,0 m (39.4 ft) strap (with connector links) (each) - - - - -	915	279
Mast stop (left hand) - - - - -	1,300	590
Mast stop (right hand) - - - - -	1,425	646
Drum 5 assembly (boom hoist without rope) - - - - -	7,185	3 259



Crane Weights

16000 MAX-ER

Hanging Counterweight

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

	Weight	
	Pounds	Kilograms
LIFTCRANE:		
Upperworks and lowerworks complete, 2 swing drives, crane counterweight, 9,75 m (32.0 ft) live mast, MAX-ER, 489,850 lb (222 190 kg) hanging counterweight, 30,0 m (98.4 ft) No. 59A mast, mast stops, fully rigged 42,0 m (137.8 ft) boom No. 58, standard upper boom point, 450 Ton (408 t) block and 20 Ton (18 t) hook and weight ball, boom stops and load lines (includes self-erect and luffing jib prep) - - - - -	1,434,620	650 733
MAIN BEAM ASSEMBLY (11M POSITION):		
Main beam assembly with pins, railings, ladder and support stand - - - - -	9,026	4 094
Spreader beam, links and pins - - - - -	2,327	1 056
Hydraulic lifting cylinder, trunnion support and guide - - - - -	4,777	2 167
Counterweight strap link (each, 2 required) with pins - - - - -	239	108
Total Main Beam Assembly (11m Position) - - - - -	16,610	7 534
BEAM ASSEMBLY (13M POSITION):		
Beam assembly with pins - - - - -	2,313	1 049
Total Beam Assembly (15m Position) - - - - -	18,920	8 582
BEAM ASSEMBLY (15M POSITION):		
Beam assembly with pins - - - - -	2,313	1 049
Total Beam Assembly (15m Position) - - - - -	21,235	9 632
COUNTERWEIGHT TRAY:		
Counterweight tray - - - - -	19,850	9 004
COUNTERWEIGHT:		
Side counterweight box (each, 10 required) - - - - -	44,000	19 958
Side counterweight box (each, 2 required) - - - - -	15,000	13 608
BOOM NO. 58 - MAX-ER:		
12,0 m (39.4 ft) insert with straps (heavy) - - - - -	11,215	5 087
12,0 m (39.4 ft) insert with equalizer rails (heavy) - - - - -	10,145	4 602
Equalizer assembly - - - - -	2,850	1 293
MAST NO. 59A BUTT/TOP SHIPPING PACKAGE:		
6,0 m (19.7 ft) mast butt, boom hoist drum with rope, boom hoist drum pressure rollers, wire rope guide, mast stops, butt supports, 6,0 m (19.7 ft) mast top with sheaves, boom equalizer, straps and links - - - - -	45,400	20 593
MAST NO. 59A - 30,0 m (98.4 ft):		
6,0 m (19.7 ft) butt with boom hoist drum with rope, wire rope guide, mast tops and support - - - -	27,000	12 247
6,0 m (19.7 ft) top with straps, mast point and wire rope guide - - - - -	15,550	7 053
6,0 m (19.7 ft) insert with straps (heavy) and wire rope guide - - - - -	7,420	3 366
12,0 m (39.4 ft) insert with straps (heavy) - - - - -	9,645	4 375
6,0 m (19.7 ft) strap (with connector links) (each) - - - - -	565	256
12,0 m (39.4 ft) strap (with connector links) (each) - - - - -	915	279
Mast stop (left hand) - - - - -	1,300	590
Mast stop (right hand) - - - - -	1,425	646
Drum 5 assembly (boom hoist without rope) - - - - -	7,185	3 259