

# Crane Weights

## MLC90A-1

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

|                                                                                                                                                                                                                                                                                                                                                                                                                                                            | Weight    |         |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------|---------|
|                                                                                                                                                                                                                                                                                                                                                                                                                                                            | Kilograms | Pounds  |
| <b>LIFTCRANE:</b>                                                                                                                                                                                                                                                                                                                                                                                                                                          |           |         |
| Upperworks (Tier 4, 300 HP Cummins QSB6.7) and lowerworks complete, load hoist drum (Drum 1) with 177 m (581 ft) of rope and load hoist drum (Drum 2) with 214 m (702 ft) of rope, counterweight tray and boxes, 4,39 m (14.4 ft) gantry, backhitch, boom hoist (Drum 4) with 112 m (368 ft) of rope, -with fully rigged 19,0 m (62.3 ft) Boom No. B10:290 with boom pendants, upper boom point, 75 t (82.7 T) block, 12.5 t (13.8T) hook and weight ball. |           |         |
| MLC90A-1 SERIES 1                                                                                                                                                                                                                                                                                                                                                                                                                                          | 65 381    | 144,140 |
| MLC90A-1 SERIES 2                                                                                                                                                                                                                                                                                                                                                                                                                                          | 88 387    | 194,860 |
| <b>UPPERWORKS WITH CARBODY:</b>                                                                                                                                                                                                                                                                                                                                                                                                                            |           |         |
| Carbody, upperworks with Drum 1 and Drum 2, Tier 4, 300 HP Cummins engine, operator's cab, gantry, backhitch, equalizer, boom hoist drum and rope, boom butt, boom stops, and maximum length load hoist lines                                                                                                                                                                                                                                              |           |         |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 25 655    | 56,560  |
| <b>CRAWLERS:</b>                                                                                                                                                                                                                                                                                                                                                                                                                                           |           |         |
| 6,48 m (21.3 ft) crawler assembly with 900 mm (35.4 in.) wide crawler pads (each)                                                                                                                                                                                                                                                                                                                                                                          |           |         |
| Set of fifty-five 900 mm (35.4 in.) wide crawler pads and pins                                                                                                                                                                                                                                                                                                                                                                                             | 7 766     | 17,120  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 3 175     | 7,000   |
| <b>COUNTERWEIGHT - UPPER:</b>                                                                                                                                                                                                                                                                                                                                                                                                                              |           |         |
| Counterweight tray                                                                                                                                                                                                                                                                                                                                                                                                                                         |           |         |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 8 107     | 17,873  |
| Counterweight box (each) (2 on SERIES 1, 4 on SERIES 2)                                                                                                                                                                                                                                                                                                                                                                                                    |           |         |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 6 254     | 13,787  |
| Total upperworks counterweight:                                                                                                                                                                                                                                                                                                                                                                                                                            |           |         |
| MLC90A-1 SERIES 1                                                                                                                                                                                                                                                                                                                                                                                                                                          | 20 614    | 45,447  |
| MLC90A-1 SERIES 2                                                                                                                                                                                                                                                                                                                                                                                                                                          | 33 122    | 73,021  |
| <b>COUNTERWEIGHT - LOWER:</b>                                                                                                                                                                                                                                                                                                                                                                                                                              |           |         |
| Carbody Counterweight box (each) (2 on SERIES 2)                                                                                                                                                                                                                                                                                                                                                                                                           |           |         |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 5 250     | 11,574  |
| <b>UPPERWORKS OPTIONS:</b>                                                                                                                                                                                                                                                                                                                                                                                                                                 |           |         |
| Free Fall prep                                                                                                                                                                                                                                                                                                                                                                                                                                             |           |         |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 85        | 188     |
| Free Fall Drum 1 (additional weight)                                                                                                                                                                                                                                                                                                                                                                                                                       |           |         |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 543       | 1,198   |
| Free Fall Drum 2 (additional weight)                                                                                                                                                                                                                                                                                                                                                                                                                       |           |         |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 543       | 1,198   |
| Drum 3 without rope                                                                                                                                                                                                                                                                                                                                                                                                                                        |           |         |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 882       | 1,945   |
| 160 m (525 ft) of 22,0 mm (0.87 in.) wire rope - 2,4 kg/m (1.6 lb/ft)                                                                                                                                                                                                                                                                                                                                                                                      |           |         |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 381       | 840     |
| Cold Weather Package                                                                                                                                                                                                                                                                                                                                                                                                                                       |           |         |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 20        | 43      |
| Rotating Bed light assembly                                                                                                                                                                                                                                                                                                                                                                                                                                |           |         |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 53        | 117     |
| ESI AC common                                                                                                                                                                                                                                                                                                                                                                                                                                              |           |         |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 11        | 25      |
| 5kW Generator                                                                                                                                                                                                                                                                                                                                                                                                                                              |           |         |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 242       | 533     |
| <b>ENGINE OPTIONS:</b>                                                                                                                                                                                                                                                                                                                                                                                                                                     |           |         |
| Tier 3, 275 HP Cummins QSB6.7                                                                                                                                                                                                                                                                                                                                                                                                                              |           |         |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 975       | 2,150   |
| Tier 4, 300 HP Cummins QSB6.7                                                                                                                                                                                                                                                                                                                                                                                                                              |           |         |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 1 445     | 3,186   |
| <b>BOOM NO. 290:</b>                                                                                                                                                                                                                                                                                                                                                                                                                                       |           |         |
| 7,0 m (23.0 ft) butt assembly                                                                                                                                                                                                                                                                                                                                                                                                                              |           |         |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 1 443     | 3,181   |
| Boom stop (each)                                                                                                                                                                                                                                                                                                                                                                                                                                           |           |         |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 351       | 775     |
| 3,0 m (9.8 ft) insert                                                                                                                                                                                                                                                                                                                                                                                                                                      |           |         |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 303       | 668     |
| 6,0 m (19.7 ft) insert                                                                                                                                                                                                                                                                                                                                                                                                                                     |           |         |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 522       | 1,151   |
| 12,0 m (39.4 ft) insert                                                                                                                                                                                                                                                                                                                                                                                                                                    |           |         |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 969       | 2,136   |
| 6,0 m (19.7 ft) top assembly with 2 sheave wire rope guide-                                                                                                                                                                                                                                                                                                                                                                                                |           |         |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 1 593     | 3,512   |
| 3rd wire rope guide                                                                                                                                                                                                                                                                                                                                                                                                                                        |           |         |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 44        | 97      |
| Rope guard                                                                                                                                                                                                                                                                                                                                                                                                                                                 |           |         |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 54        | 119     |
| 6,8 m (22.4 ft) basic pendant with top links and pins (each)-                                                                                                                                                                                                                                                                                                                                                                                              |           |         |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 74        | 164     |
| 3,0 m (9.9 ft) pendant (each)                                                                                                                                                                                                                                                                                                                                                                                                                              |           |         |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 39        | 87      |
| 6,0 m (19.8 ft) pendant (each)                                                                                                                                                                                                                                                                                                                                                                                                                             |           |         |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 54        | 118     |
| 12,1 m (39.6 ft) pendant (each)                                                                                                                                                                                                                                                                                                                                                                                                                            |           |         |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 83        | 182     |
| Equalizer                                                                                                                                                                                                                                                                                                                                                                                                                                                  |           |         |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 263       | 580     |

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|                                                                                       | Weight    |        |
|---------------------------------------------------------------------------------------|-----------|--------|
|                                                                                       | Kilograms | Pounds |
| <b>BOOM OPTIONS:</b>                                                                  |           |        |
| Upper boom point (one sheave)- - - - -                                                | 204       | 450    |
| 100 t (110 T) load block (4 sheave)- - - - -                                          | 750       | 1,653  |
| 75 t (82.7 T) load block (3 sheave)- - - - -                                          | 705       | 1,554  |
| 25 t (27.6 T) load block (1 sheave)- - - - -                                          | 500       | 1,102  |
| 12,5 t (13.8 T) hook and weight ball - - - - -                                        | 300       | 661    |
| <b>FIXED JIB NO. 117:</b>                                                             |           |        |
| 4,7 m (15.0 ft) jib butt shipping assembly with strut, stops and hinge pins - - - - - | 561       | 1,236  |
| Jib butt with hinge pins - - - - -                                                    | 141       | 311    |
| Jib strut with stops, raising arm, and links- - - - -                                 | 420       | 925    |
| 3,0 m (10.0 ft) insert - - - - -                                                      | 78        | 171    |
| 4,7 m (15.0 ft) top - - - - -                                                         | 322       | 709    |
| 10,0 m (32.8 ft) basic frontstay pendant (each) - - - - -                             | 22        | 49     |
| 2,7 m (9.0 ft) insert frontstay pendant (each) - - - - -                              | 10        | 22     |
| 9,7 m (31.7 ft) backstay pendant (each) - - - - -                                     | 27        | 60     |
| 1,2 m (3.8 ft) offset angle backstay pendant (each) - - - - -                         | 11        | 25     |
| <b>MISCELLANEOUS COMPONENTS:</b>                                                      |           |        |
| Parts box- - - - -                                                                    | 250       | 552    |
| Boom Lights - - - - -                                                                 | 155       | 343    |
| Tagline Assembly (3 barrel Rudomatic) - - - - -                                       | 508       | 1,119  |