



# BOOM TRUCK 60 TONS

NATIONAL NBT60

**BOOM LENGTHS:**  
32FT TO 128FT

**JIB LENGTHS:**  
26FT TO 45FT

**JIB OFFSETS:**  
0 - 30



# NOTES:

# Specifications

## Boom and extension combinations data

**NBT60-128:** Equipped with a 9,7 m - 39,0 m (31.7 ft - 128 ft) five-section boom. This model can be equipped with a 7,9 m - 13,7 m (26 ft - 45 ft) two-section offsettable extension, providing a maximum tip height of 54,6 m (179 ft).



9,7 m - 39,0 m (31.7 ft - 128 ft) five-section full power boom

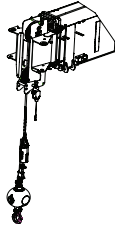






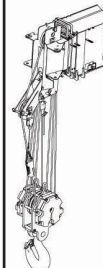



**FJM-0S** 7,9 m - 13,7 m (26 ft - 45 ft) two-section offsettable 0° and 30° manual extension



**Note:** Maximum tip is measured with outriggers/stabilizers fully extended.

# Specifications

## NBT60 Series provisional winch data

|                          | 1 part line<br>max. pull  | 2 part line<br>max. pull  | 3 part line<br>max. pull  | 4 part line<br>max. pull  | 5 part line<br>max. pull  | 6 part line<br>max. pull  | 7 part line<br>max. pull   | 8 part line<br>max. pull  | 9 part line<br>max. pull  | 10 part<br>line max.<br>pull  | 11 part line<br>max. pull   |
|--------------------------|---|---|---|---|---|---|--|---|---|---|---|
|                          |  |  |  |  |  |  |  |  |  |  |  |
| Standard planetary winch | Headache ball   | 1-sheave  |   |   | 2-sheave  |   |  | 5-sheave  |   |   |   |
| Low speed                | 5103 kg<br>(11,250 lb)<br><br>58,2 m/min<br>(191 fpm)                             | 10 206 kg<br>(22,500 lb)<br><br>28,9 m/min<br>(95 fpm)                            | 15 309 kg<br>(33,750 lb)<br><br>19,2 m/min<br>(63 fpm)                            | 20 412 kg<br>(45,000 lb)<br><br>17,3 m/min<br>(47 fpm)                            | 25 515 kg<br>(56,250 lb)<br><br>11,6 m/min<br>(38 fpm)                            | 30 618 kg<br>(67,500 lb)<br><br>9,4 m/min<br>(31 fpm)                             | 35 712 kg<br>(78,750 lb)<br><br>8,2 m/min<br>(27 fpm)                              | 40 824 kg<br>(90,000 lb)<br><br>7,0 m/min<br>(23 fpm)                               | 45 926 kg<br>(101,250 lb)<br><br>6,4 m/min<br>(21 fpm)                              | 51 030 kg<br>(112,500 lb)<br><br>5,8 m/min<br>(19 fpm)                              | 54 431 kg<br>(120,000 lb)<br><br>5,3 m/min<br>(17 fpm)                              |
| High speed               | 2268 kg<br>(5,000 lb)<br><br>116,7 m/min<br>(383 fpm)                             | 4536 kg<br>(10,000 lb)<br><br>58,2 m/min<br>(191 fpm)                             | 6804 kg<br>(15,000 lb)<br><br>38,7 m/min<br>(127 fpm)                             | 9072 kg<br>(20,000 lb)<br><br>28,9 m/min<br>(95 fpm)                              | 11 340 kg<br>(25,000 lb)<br><br>23,2 m/min<br>(76 fpm)                            | 13 608 kg<br>(30,000 lb)<br><br>19,2 m/min<br>(63 fpm)                            | 15 876 kg<br>(35,000 lb)<br><br>16,5 m/min<br>(54 fpm)                             | 18 144 kg<br>(40,000 lb)<br><br>14,3 m/min<br>(47 fpm)                              | 20 412 kg<br>(45,000 lb)<br><br>12,8 m/min<br>(42 fpm)                              | 22 680 kg<br>(50,000 lb)<br><br>11,6 m/min<br>(38 fpm)                              | 24 948 kg<br>(55,000 lb)<br><br>10,6 m/min<br>(34 fpm)                              |

\*Cable supplied is 16 mm (5/8 in) diameter rotation resistant IWRC. Average breaking strength 25 583 kg (56,400 lb).

- All winch pulls and speeds are shown on the fourth layer.
- Winch line pulls would increase on the first, second, and third layers.
- Winch line speed would decrease on the first, second, and third layers.
- Winch line pulls may be limited by the winch capacity or the ANSI 5 to 1 cable safety factor.

| Winch                                      | Fourth layer pull   | Allowable cable pull                       |
|--|---|--|
| Standard planetary and auxiliary planetary | 2268 kg (5000 lb) high speed<br>5117 kg (11,280 lb) low speed | 5117 kg (11,280 lb)<br>5117 kg (11,280 lb) |

| Loadline deduct |                 |                  |
|-----------------|-----------------|------------------|
|                 | Aux boom nose   | 36 kg (80 lb)    |
| 7 USt           | Downhaul weight | 78 kg (171 lb)   |
| 20 USt          | 1-sheave block  | 181 kg (400 lb)  |
| 40 USt          | 3-sheave block  | 272 kg (500 lb)  |
| 60 USt          | 5-sheave block  | 498 kg (1098 lb) |



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# Weights

| Weight and CG estimates (see notes) |                       |                         |                      |                      |
|-------------------------------------|-----------------------|-------------------------|----------------------|----------------------|
| Standard NBT Configuration          | Horizontal CG mm (in) | Weight w/fluids kg (lb) | CWT pinned (# slabs) | CWT stowed (# slabs) |
| NBT60128                            | 438 (17.2)            | 23 092 (50,909)         | 2                    | 0                    |
| NBT60128                            | 847 (33.4)            | 23 092 (50,909)         | 1                    | 1                    |
| NBT60128                            | 1266 (49.8)           | 23 092 (50,909)         | 0                    | 2                    |
| NBT60128                            | 683 (26.9)            | 21 724 (47,893)         | 1                    | 0                    |
| NBT60128                            | 1128 (44.4)           | 21 724 (47,893)         | 0                    | 1                    |
| NBT60128                            | 1039 (40.9)           | 20 013 (44,121)         | 0                    | 0                    |

## Weight and center of gravity notes:

1. Information provided is for reference only (calculated weights).

2. Weight and CG data is applicable for a standard machine:

128 ft boom

2/3 part line block included

Main hoist only (IPO counterweight installed)

Standard decking with fixed access ladder

No boom extension equipped

No optional turret access step

No aux nose or optional hook blocks

3. All counterweight configurations are shown in table:

Pinned = attached to cylinders and turret (in use)

Stowed = attached to torsion box (not in use)

“2” = top & bottom slabs

“1” = top or bottom slab only

“0” = No slab pinned and/or stowed

If both stowed and pinned columns are “0”, the counterweight is physically removed from the machine. IPO is also assumed removed in this case.

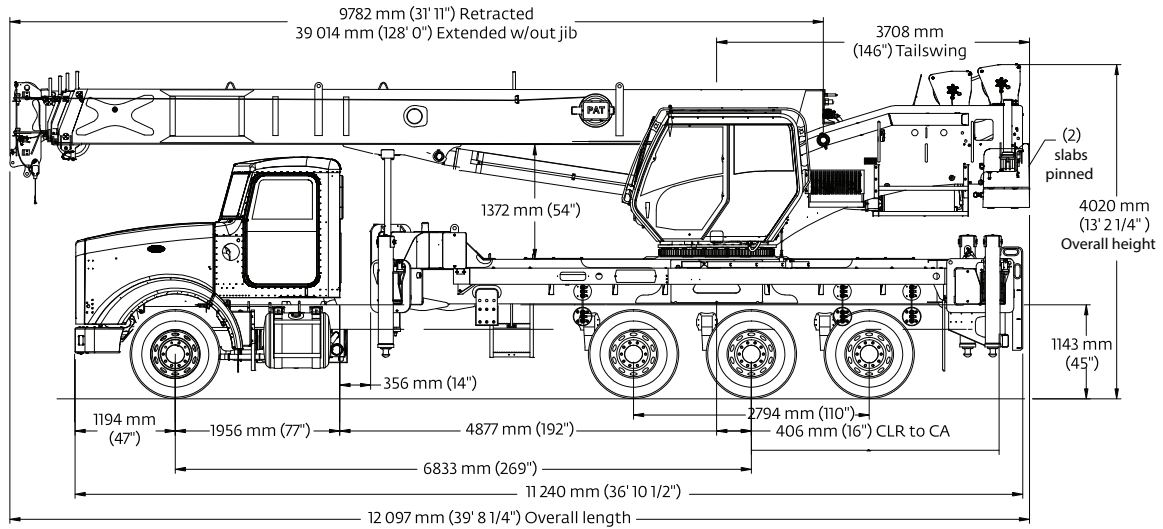
For more information about mounting configuration options, please contact your local National Crane dealer.



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# Mounting configurations

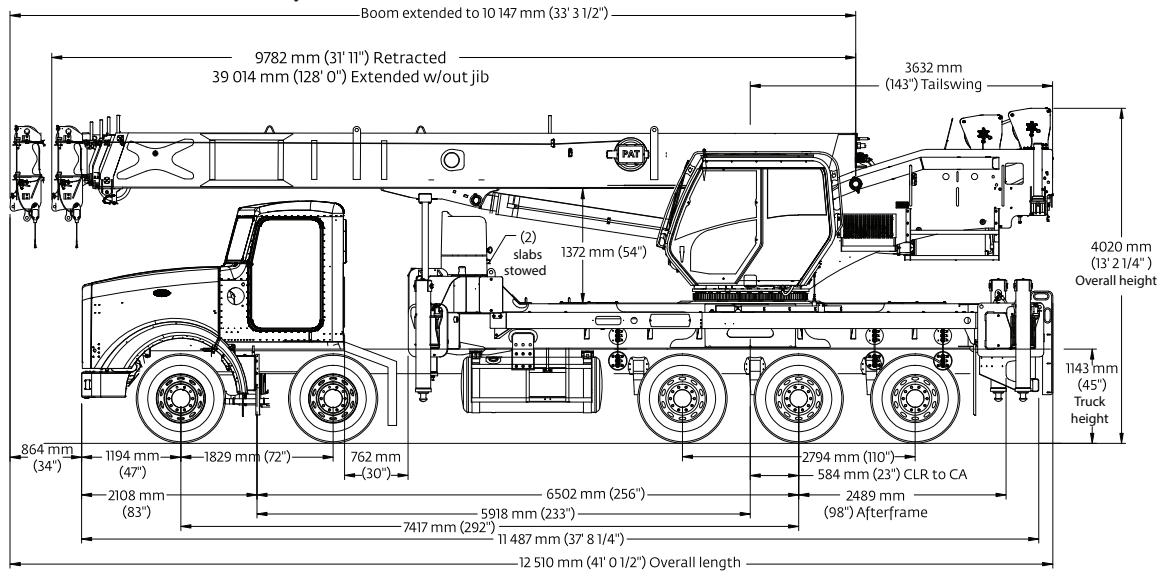
## Configuration 1 - NBT60128 (4-axle Minimum Truck)



|                                     |                       |
|-------------------------------------|-----------------------|
| Working area                        | 360°                  |
| Gross Axle Weight Rating, Front     | 9072 kg (20,000 lb)   |
| Gross Axle Weight Rating, Rear      | 29 937 kg (66,000 lb) |
| Gross Vehicle Weight Rating         | 39 009 kg (86,000 lb) |
| Wheelbase (WB)                      | 683 cm (269 in)       |
| Cab to Axle/Cab to Trunnion (CA/CT) | 488 cm (192 in)       |

|   |   |
|---|---|
| Frame Strength  | 785 MPa (110,000 PSI)                     |
| Frame Section Modulus (SM); front axle to end of AF   | 327 cm <sup>3</sup> (20 in <sup>3</sup> ) |
| Stability Weight, Front   | 4445 kg (9800 lb)                         |
| Stability Weight, Rear  | 5670 kg (12,500 lb)                       |
| *NOTE: Estimated axles scale weights prior to installation of crane assembly for 85% stability. |   |

## Configuration 2 – NBT60128 (Heavy Lift Truck – Tandem/Tridem)



|                                     |                        |
|-------------------------------------|------------------------|
| Working area                        | 360°                   |
| Gross Axle Weight Rating, Front     | 18 144 kg (40,000 lb)  |
| Gross Axle Weight Rating, Rear      | 29 937 kg (66,000 lb)  |
| Gross Vehicle Weight Rating         | 48 080 kg (106,000 lb) |
| Wheelbase (WB)                      | 742 cm (292 in)        |
| Cab to Axle/Cab to Trunnion (CA/CT) | 546 cm (215 in)        |

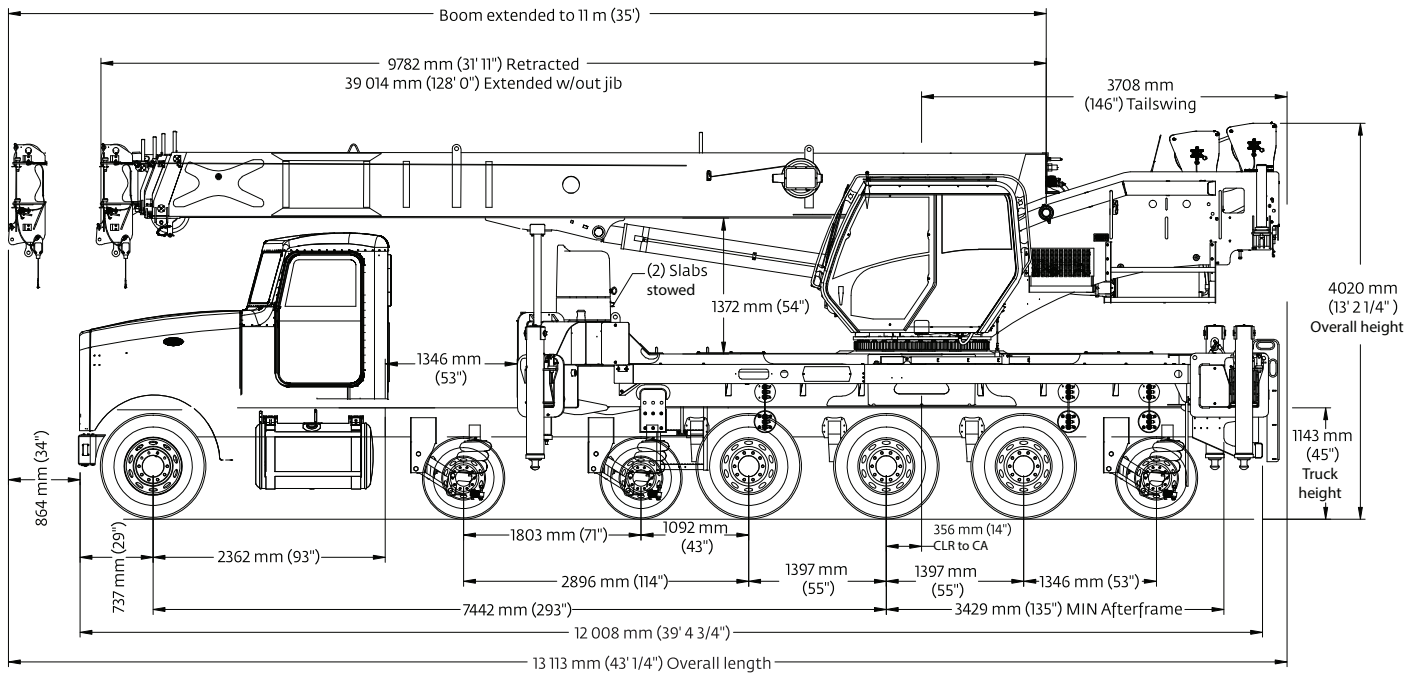
|   |   |
|---|---|
| Frame Strength  | 785 MPa (110,000 PSI)                     |
| Frame Section Modulus (SM); front axle to end of AF   | 327 cm <sup>3</sup> (20 in <sup>3</sup> ) |
| Stability Weight, Front   | 6940 kg (15,300 lb)                       |
| Stability Weight, Rear  | 5125 kg (11,300 lb)                       |
| *NOTE: Estimated axles scale weights prior to installation of crane assembly for 85% stability. |   |



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# Mounting configurations

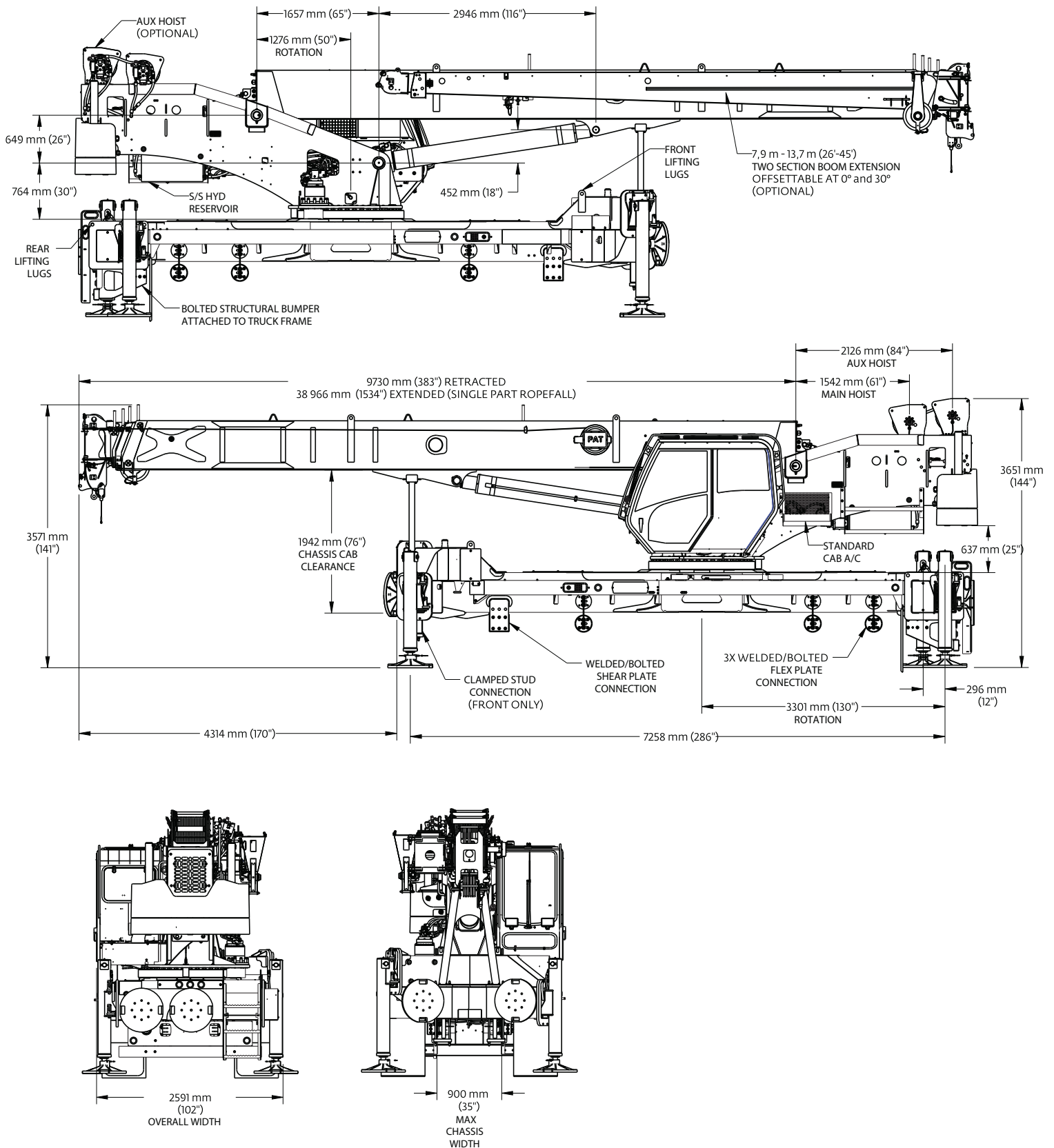
## Configuration 3 – NBT60128 (7-axle-Federal Bridge Law Compliant)



|                                       |                       |
|---------------------------------------|-----------------------|
| Working area                          | 360°                  |
| Gross Axle Weight Rating, Front       | 9072 kg (20,000 lb)   |
| Gross Axle Weight Rating, Rear        | 29 937 kg (66,000 lb) |
| Gross Vehicle Weight Rating, Pusher 1 | 3629 kg (8,000 lb)    |
| Gross Vehicle Weight Rating, Pusher 2 | 3629 kg (8,000 lb)    |
| Gross Vehicle Weight Rating, Tag      | 3629 kg (8,000 lb)    |
| Wheelbase (WB)                        | 744 cm (293 in)       |

|   |   |
|---|---|
| Cab to Axle/Cab to Trunnion (CA/CT)   | 508 cm (200 in)                           |
| Frame Strength  | 785 MPa (110,000 PSI):                    |
| Frame Section Modulus (SM); front axle to end of AF   | 327 cm <sup>3</sup> (20 in <sup>3</sup> ) |
| Stability Weight, Front   | 5341 kg (11,775 lb)*                      |
| Stability Weight, Rear  | 6031 kg (13,295 lb)*                      |
| *NOTE: Estimated axles scale weights prior to installation of crane assembly for 85% stability. |   |

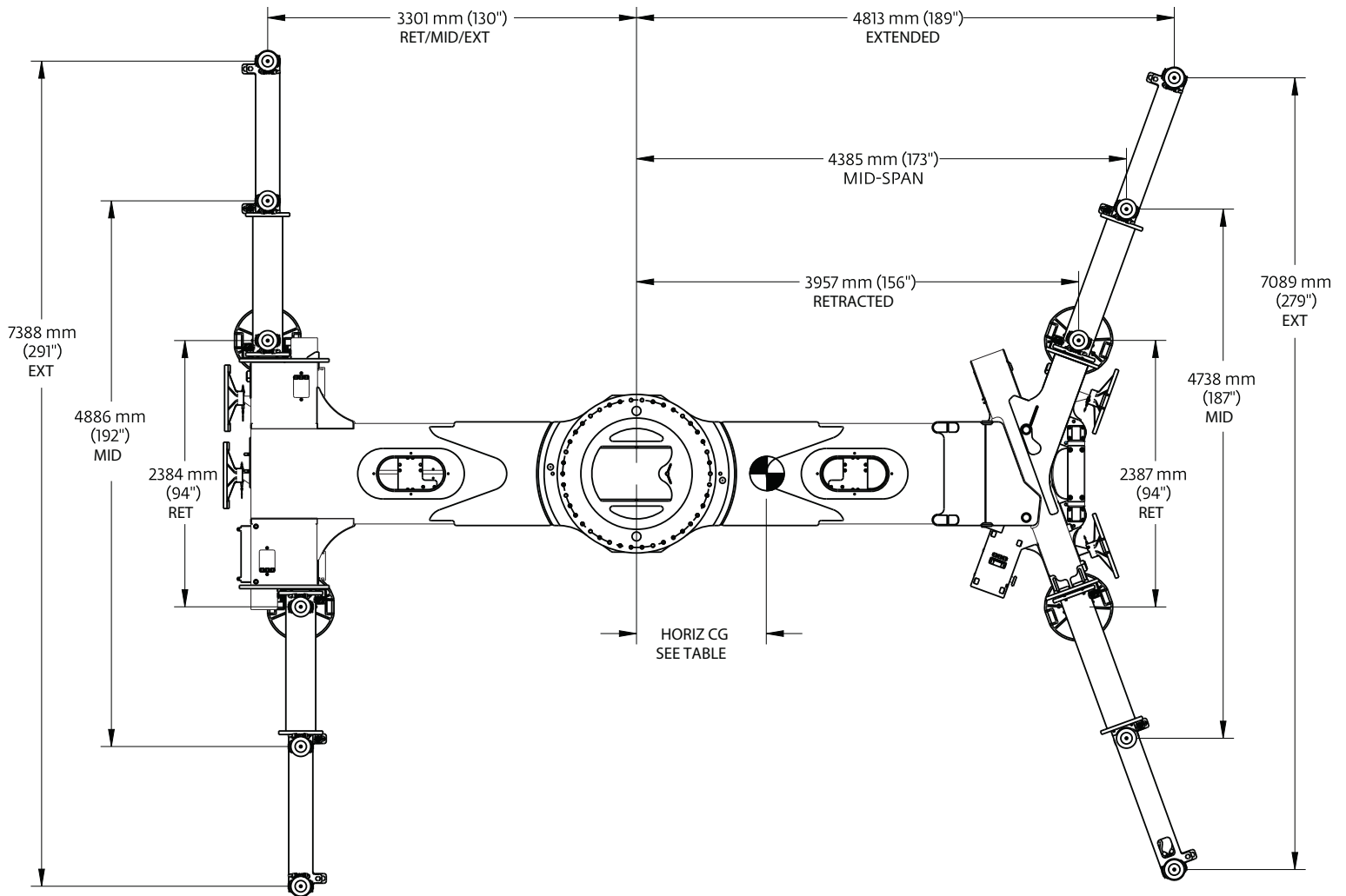
# Dimensions



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# Dimensions

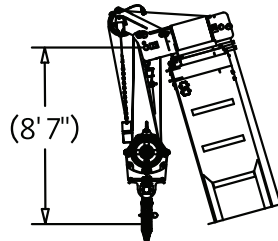
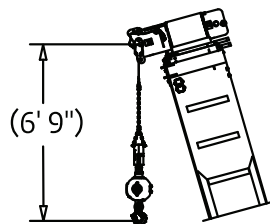
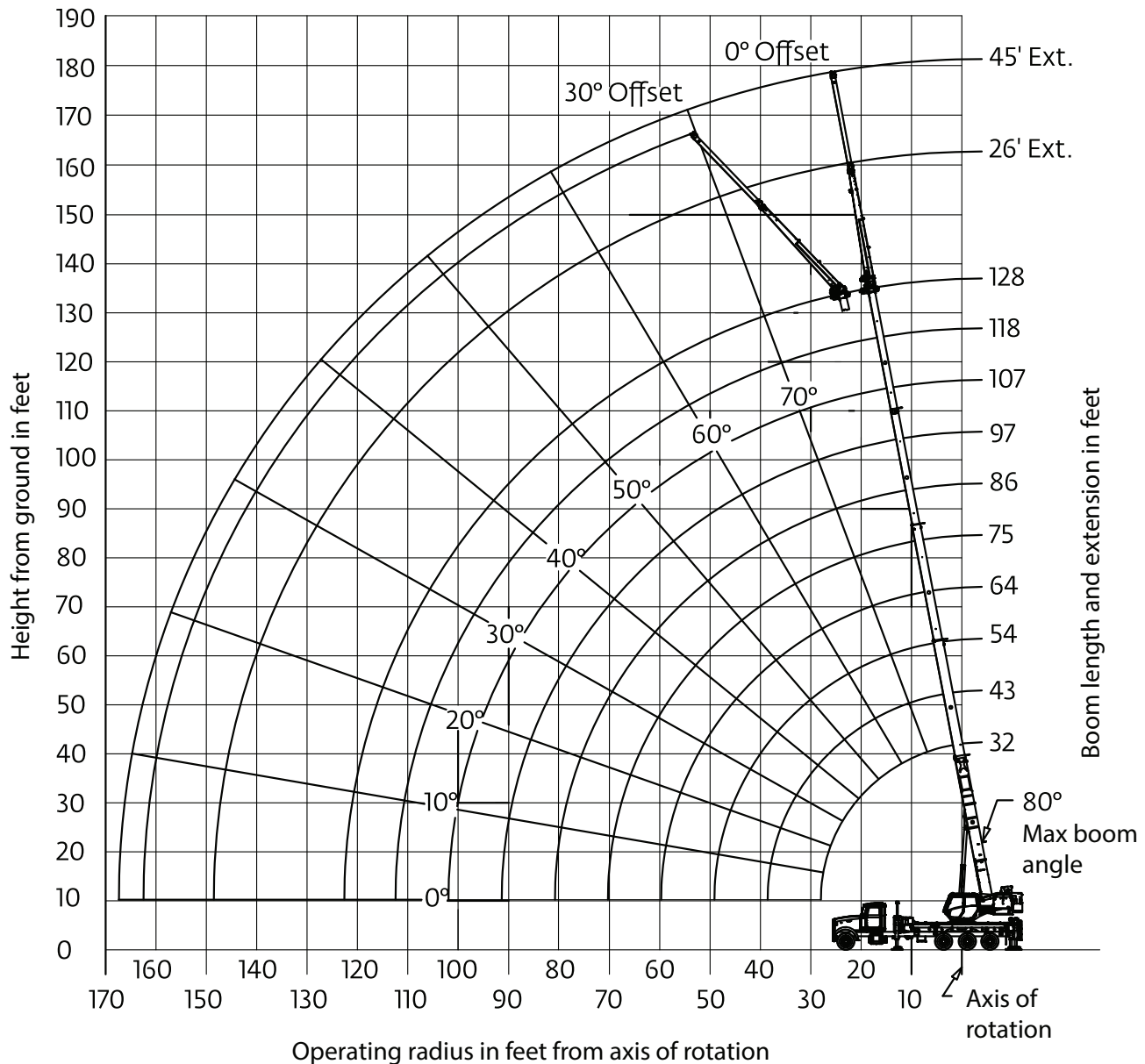


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# Working range

NBT60: 39,0 m (128 ft boom) with 7,9 m - 13,7 m (26 ft - 45 ft) extension (heavy lift)

(Boom deflection not shown)



Dimensions are for largest furnished hook block and headache ball with anti-two block activated.



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# Load chart

**NBT60: 39,01 m (128 ft) boom, 2722 kg (6000 lb) countweight, 360°, outriggers 100% extended, (heavy lift)**

| Radius<br>in<br>feet                                  | #0001                    |                  |                  |                  |                  |                  |                  |                  |                  |                |
|---|--------------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|----------------|
|   | Main boom length in feet |                  |                  |                  |                  |                  |                  |                  |                  |                |
|   | 31.7                     | 43-A             | 54-B             | 64-C             | 75-D             | 86-E             | 97-F             | 107-G            | 118-H            | 128            |
| 8   | 120,000<br>(68.1)        |                  |                  |                  |                  |                  |                  |                  |                  |                |
| 10  | 94,150<br>(64.0)         | 50,000<br>(71.4) |                  |                  |                  |                  |                  |                  |                  |                |
| 12  | 82,850<br>(59.8)         | 50,000<br>(68.5) | 50,000<br>(73.3) | 49,550<br>(76.4) |                  |                  |                  |                  |                  |                |
| 15  | 69,750<br>(53.1)         | 50,000<br>(64.1) | 50,000<br>(70.0) | 46,500<br>(73.6) | 39,300<br>(76.4) | 27,200<br>(78.3) |                  |                  |                  |                |
| 20  | 53,150<br>(40.3)         | 50,000<br>(56.2) | 47,950<br>(64.2) | 41,500<br>(68.8) | 34,100<br>(72.5) | 25,200<br>(75.0) | 21,000<br>(77.2) |                  |                  |                |
| 25  | 36,400<br>(21.8)         | 43,800<br>(47.6) | 43,450<br>(58.0) | 37,150<br>(63.9) | 30,100<br>(68.4) | 22,650<br>(71.6) | 19,400<br>(74.2) | 16,900<br>(76.2) | 13,350<br>(77.8) |                |
| 30  |                          | 35,400<br>(37.4) | 36,600<br>(51.3) | 33,600<br>(58.7) | 27,100<br>(64.2) | 20,400<br>(68.0) | 17,800<br>(71.2) | 15,750<br>(73.5) | 13,350<br>(75.6) | 9600<br>(76.9) |
| 35  |                          | 26,350<br>(23.6) | 29,700<br>(43.9) | 30,100<br>(53.2) | 24,600<br>(59.8) | 18,500<br>(64.3) | 16,300<br>(68.0) | 14,700<br>(70.8) | 12,900<br>(73.2) | 9600<br>(74.9) |
| 40  |                          |                  | 23,300<br>(35.3) | 23,650<br>(47.1) | 22,750<br>(55.2) | 17,050<br>(60.5) | 15,100<br>(64.8) | 13,650<br>(68.0) | 12,050<br>(70.8) | 9600<br>(72.8) |
| 45  |                          |                  | 18,800<br>(24.0) | 19,150<br>(40.3) | 19,450<br>(50.2) | 15,800<br>(56.5) | 14,000<br>(61.5) | 12,550<br>(65.0) | 11,300<br>(68.2) | 9600<br>(70.6) |
| 50  |                          |                  |                  | 15,800<br>(32.5) | 16,100<br>(44.7) | 14,600<br>(52.4) | 12,850<br>(58.0) | 11,750<br>(62.0) | 10,650<br>(65.9) | 9600<br>(68.4) |
| 55  |                          |                  |                  | 13,250<br>(22.2) | 13,500<br>(38.7) | 13,650<br>(47.9) | 12,000<br>(54.4) | 10,950<br>(59.2) | 10,000<br>(63.2) | 8750<br>(66.0) |
| 60  |                          |                  |                  |                  | 11,450<br>(31.7) | 11,650<br>(43.0) | 11,250<br>(50.9) | 10,300<br>(56.0) | 9400<br>(60.4)   | 7850<br>(63.4) |
| 65  |                          |                  |                  |                  | 9900<br>(23.9)   | 10,100<br>(38.1) | 10,300<br>(46.8) | 9700<br>(52.6)   | 8850<br>(57.5)   | 7000<br>(60.7) |
| 70  |                          |                  |                  |                  | *7150<br>(9.4)   | 8700<br>(31.9)   | 8900<br>(42.3)   | 9050<br>(49.0)   | 8400<br>(54.5)   | 6300<br>(57.9) |
| 75  |                          |                  |                  |                  |                  | 7550<br>(24.4)   | 7700<br>(37.4)   | 7850<br>(45.0)   | 7950<br>(51.3)   | 5700<br>(55.1) |
| 80  |                          |                  |                  |                  |                  | 6500<br>(13.0)   | 6700<br>(31.7)   | 6800<br>(40.7)   | 6950<br>(47.8)   | 5150<br>(52.1) |
| 85  |                          |                  |                  |                  |                  |                  | 5800<br>(25.0)   | 5950<br>(36.0)   | 6050<br>(44.1)   | 4650<br>(49.0) |
| 90  |                          |                  |                  |                  |                  |                  | 5050<br>(15.5)   | 5200<br>(30.7)   | 5300<br>(40.1)   | 4150<br>(45.7) |
| 95  |                          |                  |                  |                  |                  |                  |                  | 4500<br>(24.2)   | 4600<br>(35.7)   | 3700<br>(42.2) |
| 100   |                          |                  |                  |                  |                  |                  |                  | 3900<br>(15.2)   | 4000<br>(30.8)   | 3300<br>(38.4) |
| 105   |                          |                  |                  |                  |                  |                  |                  |                  | 3500<br>(24.9)   | 3000<br>(34.3) |
| 110   |                          |                  |                  |                  |                  |                  |                  |                  | 3000<br>(17.0)   | 2650<br>(29.6) |
| 115   |                          |                  |                  |                  |                  |                  |                  |                  |                  | 1900<br>(23.8) |
| 120   |                          |                  |                  |                  |                  |                  |                  |                  |                  | 1100<br>(15.9) |
| Minimum boom angle (°) for indicated length (no load) |                          |                  |                  |                  |                  |                  |                  |                  | 3                | 11             |
| Maximum boom length (ft) at 0° boom angle (no load)   |                          |                  |                  |                  |                  |                  |                  |                  | 107              |                |

NOTE: ( ) Boom angles are in degrees.

\*Loads are structurally limited.

#LMI operating code. Refer to LMI manual for operating instructions.

| Boom<br>angle | Lifting capacities at zero degree boom angle |                  |                |                |                |                |                |                |  |  |
|---------------|--|------------------|----------------|----------------|----------------|----------------|----------------|----------------|--|--|
|               | Main boom length in feet                     |                  |                |                |                |                |                |                |  |  |
|               | 31.7   | 43-A             | 54-B           | 64-C           | 75-D           | 86-E           | 97-F           | 107-G          |  |  |
| 0°            | 17,950<br>(27.5)                             | 10,000<br>(38.8) | 6850<br>(49.8) | 6100<br>(59.8) | 4250<br>(70.8) | 2850<br>(81.8) | 1750<br>(92.8) | 800<br>(102.8) |  |  |

NOTE: ( ) Reference radii in feet.



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# Load chart

**NBT60: 7,9 m (26 ft) fixed and 7,9 m - 13,7 m (26 ft - 45 ft) offsettable extension, 2722 kg (6000 lb) counterweight, 360°, outriggers 100% extended, (heavy lift)**

| Radius<br>in<br>feet                                 | **26 ft LENGTH |                | 45 ft LENGTH    |                |
|--|----------------|----------------|-----------------|----------------|
|  | #0005          | #0007          | #0009           | #0011          |
|  | 0°<br>OFF SET  | 30°<br>OFF SET | 0°<br>OFF SET   | 30°<br>OFF SET |
| 35   | 5200<br>(76.9) |                |                 |                |
| 40   | 5200<br>(75.3) |                | 3700<br>(77.3)  |                |
| 45   | 5200<br>(73.6) |                | 3700<br>(75.8)  |                |
| 50   | 5200<br>(71.9) | 4800<br>(77.4) | 3700<br>(74.4)  |                |
| 55   | 5200<br>(70.1) | 4800<br>(75.6) | 3700<br>(72.9)  |                |
| 60   | 5200<br>(68.4) | 4800<br>(73.7) | 3700<br>(71.4)  |                |
| 65   | 5200<br>(66.7) | 4800<br>(71.7) | 3700<br>(69.9)  | 2500<br>(77.0) |
| 70   | 4850<br>(64.7) | 4650<br>(69.7) | 3700<br>(68.4)  | 2500<br>(75.2) |
| 75   | 4500<br>(62.6) | 4400<br>(67.5) | 3700<br>(66.9)  | 2500<br>(73.5) |
| 80   | 4250<br>(60.5) | 4150<br>(65.2) | 3700<br>(65.4)  | 2500<br>(71.7) |
| 85   | 3950<br>(58.3) | 4000<br>(62.9) | 3700<br>(63.8)  | 2500<br>(69.8) |
| 90   | 3800<br>(56.1) | 3800<br>(60.5) | 3550<br>(61.9)  | 2500<br>(67.9) |
| 95   | 3650<br>(53.8) | 3650<br>(58.1) | 3250<br>(59.9)  | 2500<br>(65.9) |
| 100  | 3150<br>(51.2) | 3350<br>(55.4) | 3000<br>(57.8)  | 2500<br>(63.9) |
| 105  | 2600<br>(48.4) | 2900<br>(52.5) | 2700<br>(55.6)  | 2450<br>(61.7) |
| 110  | 2100<br>(45.5) | 2550<br>(49.5) | 2500<br>(53.5)  | 2400<br>(59.5) |
| 115  | 1700<br>(42.5) | 2150<br>(46.3) | 2,300<br>(51.2) | 2350<br>(57.1) |
| 120  | 1350<br>(39.3) | 1650<br>(42.7) | 2050<br>(48.7)  | 2300<br>(54.7) |
| 125  | 950<br>(35.8)  | 1200<br>(38.9) | 1750<br>(46.0)  | 2250<br>(52.1) |
| 130  | 650<br>(32.1)  | 850<br>(34.8)  | 1500<br>(43.3)  | 2000<br>(49.1) |
| 135  |                | 450<br>(30)    | 1200<br>(40.4)  | 1750<br>(45.9) |
| 140  |                |                | 900<br>(37.2)   | 1350<br>(42.3) |
| 145  |                |                | 650<br>(33.9)   | 900<br>(38.2)  |
| 150  |                |                |                 | 600<br>(33.9)  |
| Min. boom angle<br>for indicated length<br>(no load) | 29°            | 30°            | 30°             | 31°            |
| Max boom length<br>at 0° boom angle<br>(no load)     | 64 ft          |                | 64 ft           |                |

NOTE: ( ) Boom angles are in degrees.

#LMI operating code. Refer to LMI manual for instructions.

\*Loads are structurally limited.

\*\*26 ft capacities are applicable to both 26 ft fixed and 26 ft telescopic extension.

## BOOM EXTENSION CAPACITY NOTES:

1. All capacities above the bold line are based on structural strength limitations.

2. 26 ft and 45 ft extension lengths may be used for single line lifting service.

3. Radii listed are for a fully extended boom with the boom extension erected. For main boom lengths less than fully extended, the rated loads are determined by boom angle. Use only the column which corresponds to the boom extension length and offset for which the machine is configured. For boom angles not shown, use the rating of the next lower boom angle.

**WARNING:** Operation of this machine with heavier loads than the capacities listed is strictly prohibited. Machine tipping with boom extension occurs rapidly and without advance warning.

4. Boom angle is the angle above or below horizontal of the longitudinal axis of the boom base section after lifting rated load.

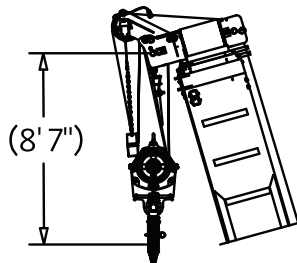
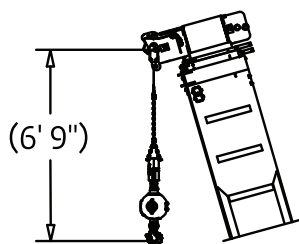
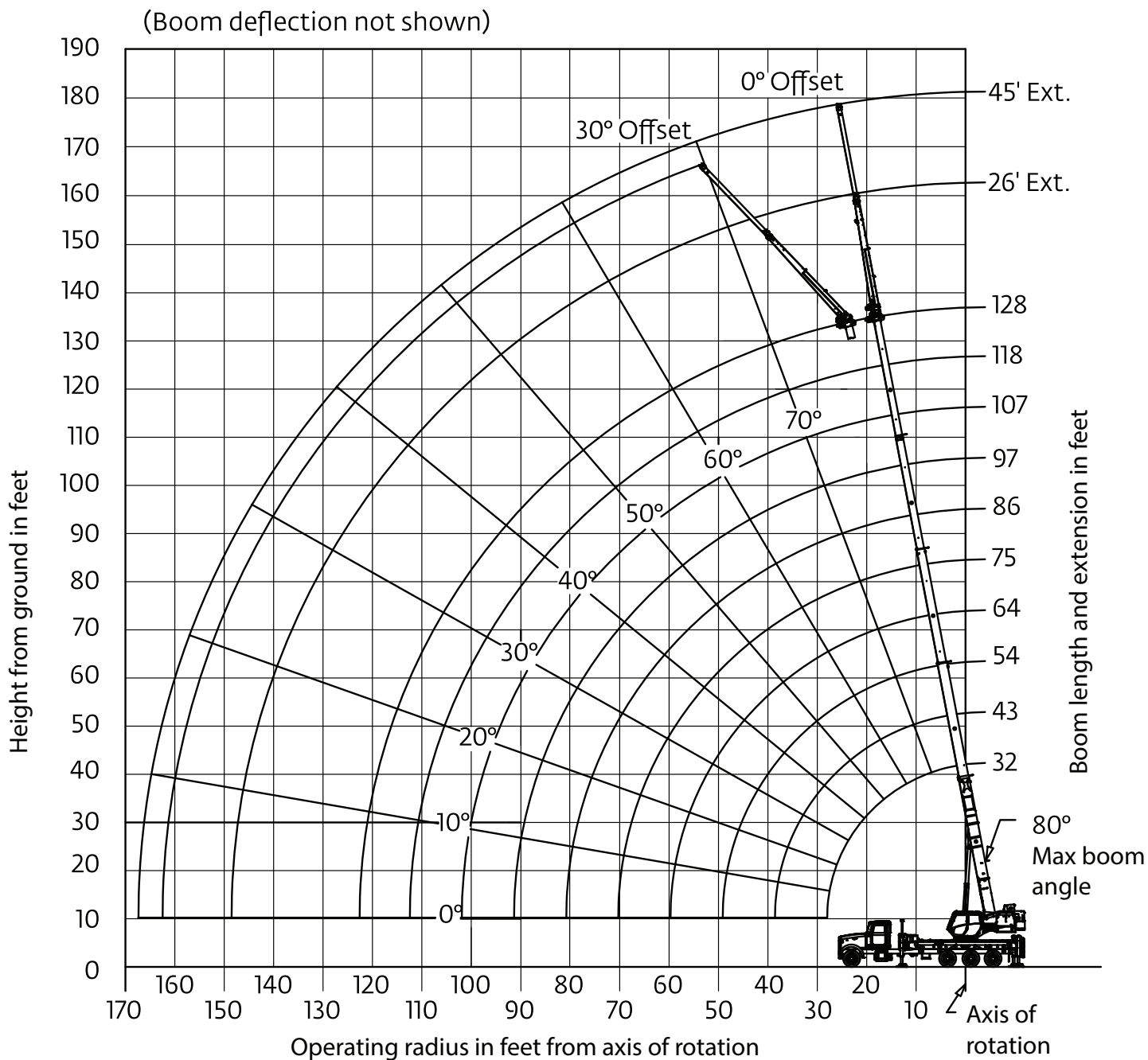
5. Capacities listed are with outriggers properly extended and vertical jacks set only.



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# Working range

**NBT60: 39,0 m (128 ft boom) with 7,9 m - 13,7 m (26 ft - 45 ft) extension (minimum truck)**



Dimensions are for largest furnished hook block and headache ball with anti-two block activated.



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# Load chart

**NBT60: 39,01 m (128 ft) boom, 2722 kg (6000 lb) counterweight, 360°, outriggers 100% extended, (minimum truck)**

| Radius<br>in<br>feet                                  | #0001                    |                  |                  |                  |                  |                  |                  |                  |                  |                |
|---|--------------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|----------------|
|   | Main boom length in feet |                  |                  |                  |                  |                  |                  |                  |                  |                |
|   | 31.7                     | 43-A             | 54-B             | 64-C             | 75-D             | 86-E             | 97-F             | 107-G            | 118-H            | 128            |
| 8   | 120,000<br>(68.1)        |                  |                  |                  |                  |                  |                  |                  |                  |                |
| 10  | 94,150<br>(64)           | 50,000<br>(71.4) |                  |                  |                  |                  |                  |                  |                  |                |
| 12  | 82,850<br>(59.8)         | 50,000<br>(68.5) | 50,000<br>(73.3) | 49,550<br>(76.4) |                  |                  |                  |                  |                  |                |
| 15  | 69,750<br>(53.1)         | 50,000<br>(64.1) | 50,000<br>(70)   | 46,500<br>(73.6) | 39,300<br>(76.4) | 27,200<br>(78.3) |                  |                  |                  |                |
| 20  | 53,150<br>(40.3)         | 50,000<br>(56.2) | 47,950<br>(64.2) | 41,500<br>(68.8) | 34,100<br>(72.5) | 25,200<br>(75)   | 21,000<br>(77.2) |                  |                  |                |
| 25  | 36,400<br>(21.8)         | 43,800<br>(47.6) | 43,450<br>(58)   | 37,150<br>(63.9) | 30,100<br>(68.4) | 22,650<br>(71.6) | 19,400<br>(74.2) | 16,900<br>(76.2) | 13,350<br>(77.8) |                |
| 30  |                          | 35,400<br>(37.4) | 36,600<br>(51.3) | 33,600<br>(58.7) | 27,100<br>(64.2) | 20,400<br>(68)   | 17,800<br>(71.2) | 15,750<br>(73.5) | 13,350<br>(75.6) | 9600<br>(76.9) |
| 35  |                          | 26,350<br>(23.6) | 28,100<br>(43.9) | 28,500<br>(53.1) | 24,600<br>(59.8) | 18,500<br>(64.3) | 16,300<br>(68)   | 14,700<br>(70.8) | 12,900<br>(73.2) | 9600<br>(74.9) |
| 40  |                          |                  | 22,000<br>(35.2) | 22,350<br>(47)   | 22,600<br>(55.2) | 17,050<br>(60.5) | 15,100<br>(64.8) | 13,650<br>(68)   | 12,050<br>(70.8) | 9600<br>(72.8) |
| 45  |                          |                  | 17,700<br>(24)   | 18,050<br>(40.3) | 18,300<br>(50.1) | 15,800<br>(56.5) | 14,000<br>(61.5) | 12,550<br>(65)   | 11,300<br>(68.2) | 9600<br>(70.6) |
| 50  |                          |                  |                  | 14,850<br>(32.4) | 15,100<br>(44.7) | 14,600<br>(52.4) | 12,850<br>(58)   | 11,750<br>(62)   | 10,650<br>(65.9) | 9600<br>(68.4) |
| 55  |                          |                  |                  | 12,400<br>(22.2) | 12,650<br>(38.7) | 12,850<br>(47.8) | 12,000<br>(54.4) | 10,950<br>(59.2) | 10,000<br>(63.2) | 8750<br>(66)   |
| 60  |                          |                  |                  |                  | 10,800<br>(32.4) | 11,000<br>(43.4) | 11,050<br>(50.9) | 10,300<br>(56)   | 9400<br>(60.4)   | 7850<br>(63.4) |
| 65  |                          |                  |                  |                  | 9200<br>(23.9)   | 9400<br>(38)     | 9600<br>(46.7)   | 9700<br>(52.6)   | 8850<br>(57.5)   | 7000<br>(60.7) |
| 70  |                          |                  |                  |                  | *7150<br>(9.4)   | 8050<br>(31.9)   | 8250<br>(42.2)   | 8400<br>(48.8)   | 8400<br>(54.5)   | 6300<br>(57.9) |
| 75  |                          |                  |                  |                  |                  | 6950<br>(24.3)   | 7100<br>(37.3)   | 7250<br>(44.9)   | 7400<br>(51.2)   | 5700<br>(55.1) |
| 80  |                          |                  |                  |                  |                  | 6000<br>(13)     | 6150<br>(31.7)   | 6250<br>(40.6)   | 6400<br>(47.6)   | 5150<br>(52.1) |
| 85  |                          |                  |                  |                  |                  |                  | 5300<br>(24.9)   | 5450<br>(35.9)   | 5550<br>(43.9)   | 4650<br>(49)   |
| 90  |                          |                  |                  |                  |                  |                  | 4600<br>(15.4)   | 4700<br>(30.6)   | 4800<br>(39.9)   | 4150<br>(45.7) |
| 95  |                          |                  |                  |                  |                  |                  |                  | 4050<br>(24.1)   | 4150<br>(35.6)   | 3700<br>(42.2) |
| 100   |                          |                  |                  |                  |                  |                  |                  | 3500<br>(15.1)   | 3600<br>(30.6)   | 3300<br>(38.4) |
| 105   |                          |                  |                  |                  |                  |                  |                  |                  | 3100<br>(24.8)   | 3000<br>(34.3) |
| 110   |                          |                  |                  |                  |                  |                  |                  |                  | 2600<br>(16.9)   | 2650<br>(29.6) |
| 115   |                          |                  |                  |                  |                  |                  |                  |                  |                  | 1900<br>(23.8) |
| 120   |                          |                  |                  |                  |                  |                  |                  |                  |                  | 1100<br>(15.9) |
| Minimum boom angle (°) for indicated length (no load) |                          |                  |                  |                  |                  |                  |                  |                  | 3                | 11             |
| Maximum boom length (ft) at 0° boom angle (no load)   |                          |                  |                  |                  |                  |                  |                  |                  | 107              |                |

NOTE: ( ) Boom angles are in degrees.

\*Loads are structurally limited.

#LMI operating code. Refer to LMI manual for operating instructions.

| Lifting Capacities at Zero Degree Boom Angle |                          |                  |                |                |                |                |                |                |  |  |
|--|--------------------------|------------------|----------------|----------------|----------------|----------------|----------------|----------------|--|--|
| Boom<br>Angle                                | Main Boom Length in Feet |                  |                |                |                |                |                |                |  |  |
|  | 31.7                     | 43-A             | 54-B           | 64-C           | 75-D           | 86-E           | 97-F           | 107-G          |  |  |
| 0°   | 17,950<br>(27.5)         | 10,000<br>(38.8) | 6850<br>(49.8) | 6100<br>(59.8) | 4250<br>(70.8) | 2850<br>(81.8) | 1750<br>(92.8) | 800<br>(102.8) |  |  |

NOTE: ( ) Reference radii in feet.



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# Load chart

**NBT60: 39.01 m (128 ft) boom, 2722 kg (6000 lb) counterweight, over rear, outriggers 100% extended, (minimum truck)**

| Radius<br>in<br>feet                                  | #0003                    |                  |                  |                  |                  |                  |                  |                  |                  |                |
|---|--------------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|----------------|
|   | Main boom length in feet |                  |                  |                  |                  |                  |                  |                  |                  |                |
|   | 31.7                     | 43-A             | 54-B             | 64-C             | 75-D             | 86-E             | 97-F             | 107-G            | 118-H            | 128            |
| 8   | 120,000<br>(68.1)        |                  |                  |                  |                  |                  |                  |                  |                  |                |
| 10  | 94,150<br>(64)           | 50,000<br>(71.4) |                  |                  |                  |                  |                  |                  |                  |                |
| 12  | 82,850<br>(59.8)         | 50,000<br>(68.5) | 50,000<br>(73.3) | 49,550<br>(76.4) |                  |                  |                  |                  |                  |                |
| 15  | 69,750<br>(53.1)         | 50,000<br>(64.1) | 50,000<br>(70)   | 46,500<br>(73.6) | 39,300<br>(76.4) | 27,200<br>(78.3) |                  |                  |                  |                |
| 20  | 53,150<br>(40.3)         | 50,000<br>(56.2) | 47,950<br>(64.2) | 41,500<br>(68.8) | 34,100<br>(72.5) | 25,200<br>(75)   | 21,000<br>(77.2) |                  |                  |                |
| 25  | 36,400<br>(21.8)         | 43,800<br>(47.6) | 43,450<br>(58)   | 37,150<br>(63.9) | 30,100<br>(68.4) | 22,650<br>(71.6) | 19,400<br>(74.2) | 16,900<br>(76.2) | 13,350<br>(77.8) |                |
| 30  |                          | 35,400<br>(37.4) | 36,600<br>(51.3) | 33,600<br>(58.7) | 27,100<br>(64.2) | 20,400<br>(68)   | 17,800<br>(71.2) | 15,750<br>(73.5) | 13,350<br>(75.6) | 9600<br>(76.9) |
| 35  |                          | 26,350<br>(23.6) | 29,400<br>(43.9) | 29,750<br>(53.2) | 24,600<br>(59.8) | 18,500<br>(64.3) | 16,300<br>(68)   | 14,700<br>(70.8) | 12,900<br>(73.2) | 9600<br>(74.9) |
| 40  |                          |                  | 23,350<br>(35.3) | 23,700<br>(47.1) | 22,750<br>(55.2) | 17,050<br>(60.5) | 15,100<br>(64.8) | 13,650<br>(68)   | 12,050<br>(70.8) | 9600<br>(72.8) |
| 45  |                          |                  | 19,100<br>(24.1) | 19,400<br>(40.3) | 19,700<br>(50.2) | 15,800<br>(56.5) | 14,000<br>(61.5) | 12,550<br>(65)   | 11,300<br>(68.2) | 9600<br>(70.6) |
| 50  |                          |                  |                  | 16,200<br>(32.5) | 16,450<br>(44.7) | 14,600<br>(52.4) | 12,850<br>(58)   | 11,750<br>(62)   | 10,650<br>(65.9) | 9600<br>(68.4) |
| 55  |                          |                  |                  | 13,650<br>(22.2) | 13,900<br>(38.7) | 13,650<br>(47.9) | 12,000<br>(54.4) | 10,950<br>(59.2) | 10,000<br>(63.2) | 8750<br>(66)   |
| 60  |                          |                  |                  |                  | 11,900<br>(31.8) | 12,100<br>(43)   | 11,250<br>(50.9) | 10,300<br>(56)   | 9400<br>(60.4)   | 7850<br>(63.4) |
| 65  |                          |                  |                  |                  | 10,350<br>(24)   | 10,550<br>(38.1) | 10,600<br>(46.8) | 9700<br>(52.6)   | 8850<br>(57.5)   | 7000<br>(60.7) |
| 70  |                          |                  |                  |                  | *7150<br>(9.4)   | 9150<br>(32)     | 9300<br>(42.4)   | 9200<br>(49)     | 8400<br>(54.5)   | 6300<br>(57.9) |
| 75  |                          |                  |                  |                  |                  | 7950<br>(24.4)   | 8100<br>(37.4)   | 8250<br>(45.1)   | 7950<br>(51.3)   | 5700<br>(55.1) |
| 80  |                          |                  |                  |                  |                  | *6700<br>(13.1)  | 7,100<br>(31.8)  | 7250<br>(40.8)   | 7350<br>(47.9)   | 5150<br>(52.1) |
| 85  |                          |                  |                  |                  |                  |                  | 6250<br>(25.1)   | 6350<br>(36.1)   | 6500<br>(44.2)   | 4650<br>(49)   |
| 90  |                          |                  |                  |                  |                  |                  | 5450<br>(15.6)   | 5600<br>(30.8)   | 5700<br>(40.2)   | 4150<br>(45.7) |
| 95  |                          |                  |                  |                  |                  |                  |                  | 4900<br>(24.3)   | 5000<br>(35.8)   | 3700<br>(42.2) |
| 100   |                          |                  |                  |                  |                  |                  |                  | 4250<br>(15.2)   | 4400<br>(30.9)   | 3300<br>(38.4) |
| 105   |                          |                  |                  |                  |                  |                  |                  |                  | 3,850<br>(25)    | 3000<br>(34.3) |
| 110   |                          |                  |                  |                  |                  |                  |                  |                  | 3350<br>(17.1)   | 2650<br>(29.6) |
| 115   |                          |                  |                  |                  |                  |                  |                  |                  |                  | 1900<br>(23.8) |
| 120   |                          |                  |                  |                  |                  |                  |                  |                  |                  | 1100<br>(15.9) |
| Minimum boom angle (°) for indicated length (no load) |                          |                  |                  |                  |                  |                  |                  |                  | 3                | 11             |
| Maximum boom length (ft) at 0° boom angle (no load)   |                          |                  |                  |                  |                  |                  |                  |                  | 107              |                |

NOTE: ( ) Boom angles are in degrees.

\*Loads are structurally limited.

#LMI operating code. Refer to LMI manual for operating instructions.

| Lifting capacities at zero degree boom angle |                          |                  |                |                |                |                |                |                |  |  |
|--|--------------------------|------------------|----------------|----------------|----------------|----------------|----------------|----------------|--|--|
| Boom<br>angle                                | Main boom length in feet |                  |                |                |                |                |                |                |  |  |
|  | 31.7                     | 43-A             | 54-B           | 64-C           | 75-D           | 86-E           | 97-F           | 107-G          |  |  |
| 0°   | 17,950<br>(27.5)         | 10,000<br>(38.8) | 6850<br>(49.8) | 6100<br>(59.8) | 4250<br>(70.8) | 2850<br>(81.8) | 1750<br>(92.8) | 800<br>(102.8) |  |  |

NOTE: ( ) Reference radii in feet.



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# Load chart

**NBT60: 7,9 m (26 ft) fixed and 7,9 m - 13,7 m (26 ft - 45 ft) offsettable extension, 2722 kg (6000 lb) counterweight, 360°, outriggers 100% extended, (minimum truck)**

| Radius<br>in<br>feet                                 | **26 ft LENGTH |                | 45 ft LENGTH   |                |
|--|----------------|----------------|----------------|----------------|
|  | #0005          | #0007          | #0009          | #0011          |
|  | 0°<br>OFF SET  | 30°<br>OFF SET | 0°<br>OFF SET  | 30°<br>OFF SET |
| 35   | 5200<br>(76.9) |                |                |                |
| 40   | 5200<br>(75.3) |                | 3700<br>(77.3) |                |
| 45   | 5200<br>(73.6) |                | 3700<br>(75.8) |                |
| 50   | 5200<br>(71.9) | 4800<br>(77.4) | 3700<br>(74.4) |                |
| 55   | 5200<br>(70.1) | 4800<br>(75.6) | 3700<br>(72.9) |                |
| 60   | 5200<br>(68.4) | 4800<br>(73.7) | 3700<br>(71.4) |                |
| 65   | 5200<br>(66.7) | 4800<br>(71.7) | 3700<br>(69.9) | 2500<br>(77)   |
| 70   | 4850<br>(64.7) | 4650<br>(69.7) | 3700<br>(68.4) | 2500<br>(75.2) |
| 75   | 4500<br>(62.6) | 4400<br>(67.5) | 3700<br>(66.9) | 2500<br>(73.5) |
| 80   | 4250<br>(60.5) | 4150<br>(65.2) | 3700<br>(65.4) | 2500<br>(71.7) |
| 85   | 3950<br>(58.3) | 4000<br>(62.9) | 3700<br>(63.8) | 2500<br>(69.8) |
| 90   | 3800<br>(56.1) | 3800<br>(60.5) | 3550<br>(61.9) | 2500<br>(67.9) |
| 95   | 3650<br>(53.8) | 3650<br>(58.1) | 3250<br>(59.9) | 2500<br>(65.9) |
| 100  | 3150<br>(51.2) | 3350<br>(55.4) | 3000<br>(57.8) | 2500<br>(63.9) |
| 105  | 2600<br>(48.4) | 2900<br>(52.5) | 2700<br>(55.6) | 2450<br>(61.7) |
| 110  | 2100<br>(45.5) | 2550<br>(49.5) | 2500<br>(53.5) | 2400<br>(59.5) |
| 115  | 1700<br>(42.5) | 2150<br>(46.3) | 2300<br>(51.2) | 2350<br>(57.1) |
| 120  | 1350<br>(39.3) | 1650<br>(42.7) | 2050<br>(48.7) | 2300<br>(54.7) |
| 125  | 950<br>(35.8)  | 1200<br>(38.9) | 1750<br>(46)   | 2250<br>(52.1) |
| 130  | 650<br>(32.1)  | 850<br>(34.8)  | 1500<br>(43.3) | 2000<br>(49.1) |
| 135  |                | 450<br>(30)    | 1200<br>(40.4) | 1750<br>(45.9) |
| 140  |                |                | 900<br>(37.2)  | 1350<br>(42.3) |
| 145  |                |                | 650<br>(33.9)  | 900<br>(38.2)  |
| 150  |                |                |                | 600<br>(33.9)  |
| Min. boom angle<br>for indicated length<br>(no load) | 29°            | 30°            | 30°            | 31°            |
| Max. boom length<br>at 0° boom angle<br>(no load)    | 64 ft          |                | 64 ft          |                |

NOTE: ( ) Boom angles are in degrees.

80060379

#LMI operating code. Refer to LMI manual for instructions.

\*\*26 ft capacities are applicable to both 26 ft fixed and 26 ft tele extension.

## BOOM EXTENSION CAPACITIES:

1. All capacities above the bold line are based on structural strength limitations.
  2. 26 ft and 45 ft extension lengths may be used for single line lifting service.
  3. Radii listed are for a fully extended boom with the boom extension erected. For main boom lengths less than fully extended, the rated loads are determined by boom angle. Use only the column which corresponds to the boom extension length and offset for which the machine is configured. For boom angles not shown, use the rating of the next lower boom angle.
- WARNING: Operation of this machine with heavier loads than the capacities listed is strictly prohibited. Machine tipping with boom extension occurs rapidly and without advance warning.
4. Boom angle is the angle above or below horizontal of the longitudinal axis of the boom base section after lifting rated load.
  5. Capacities listed are with outriggers properly extended and vertical jacks set only.



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