

# BOOM TRUCK CRANES



**One brand. Every jobsite.**

TC Series

S Series

T Series

CM Series

# MOBILITY MEETS STRENGTH

## Your Jobsite. Anywhere.

Boom Truck Cranes are engineered for seamless mobility and transport-friendly performance. Compact, balanced, and ready for action, they move effortlessly from site to site, delivering powerful lifts wherever the job demands—fast, reliable, and easy.

**Compact & Agile** – Navigate tight urban streets and crowded sites with ease

**Engineered Stability** – Balanced axle loads for safe, confident travel

**Seamless On-Road Performance** – High-performance chassis with DOT-compliant design for smooth, efficient transport

**Ready When You Are** – Rapid deployment straight from the road to the lift

**Effortless Jobsite Maneuvering** – Precision control for fast, accurate positioning







# ONE CRANE. ENDLESS POSSIBILITIES.



From tight urban sites to large industrial projects, these cranes provide the performance, mobility, and dependability operators demand. Engineered for precision in lifting, positioning, and installation, they deliver seamless efficiency across every application.



## Applications Include:

**Construction** – Structural steel, concrete placement, mechanical installs, and jobsite logistics.

**Residential** – Rooftop HVAC, homebuilding support, modular installation, tight-access lifting.

**Infrastructure & Utilities** – Bridges, power distribution, telecom towers, roadwork, and public works.

**Industrial & Manufacturing** – Plant maintenance, machinery relocation, equipment swaps, shutdown work.

**Logistics & Transport** – Loading/unloading containers, heavy cargo positioning, yard operations.

**Emergency & Specialty Operations** – Storm response, recovery work, accident removal, critical-lift scenarios.

**Events & Temporary Installations** – Stages, lighting rigs, signage, large-scale temporary structures.



# TC SERIES – PRECISION YOU CAN FEEL.

The TC Series offers smooth, low-effort control with electric joysticks and swing cabs built for safety, space, and visibility.

With flexible accessibility options, it delivers next-level efficiency and versatility.



| Model     | Rating | Boom length             | Max Tip Height<br>Boom & Jib | Max Cap @<br>Radius | Max Outrigger<br>Spread | Crane Operating<br>Weight |
|-----------|--------|-------------------------|------------------------------|---------------------|-------------------------|---------------------------|
| TC40127   | 40 USt | 5-Section / 31–127 ft   | 136–190 ft                   | 760 lbs             | 24 ft 3 in              | 40,300 lbs                |
| TC40142   | 40 USt | 5-Section / 34–142 ft   | 152–190 ft                   | 800 lbs             | 24 ft 3 in              | 40,300 lbs                |
| TC45127   | 45 USt | 5-Section / 31–127 ft   | 136–207 ft                   | 900 lbs             | 24 ft 3 in              | 42,290 lbs                |
| TC45131   | 45 USt | 4-Section / 39.4–131 ft | 142–207 ft                   | 900 lbs             | 24 ft 3 in              | 42,290 lbs                |
| TC45142   | 45 USt | 5-Section / 34–142 ft   | 152–190 ft                   | 900 lbs             | 24 ft 3 in              | 40,300 lbs                |
| TC50128   | 50 USt | 4-Section / 38.5–128 ft | 132–185 ft                   | 850 lbs             | 23 ft 3 in              | 39,948 lbs                |
| TC50128HL | 50 USt | 4-Section / 38.5–128 ft | 132–185 ft                   | 850 lbs             | 23 ft 3 in              | 39,948 lbs                |
| TC50128X  | 50 USt | 4-Section / 38.5–128 ft | 132–185 ft                   | 920 lbs             | 23 ft 3 in              | 39,948 lbs                |
| TC50155   | 50 USt | 5-Section / 38.5–155 ft | 163–202 ft                   | 1,020 lbs           | 23 ft 3 in              | 43,574 lbs                |
| TC50155HL | 50 USt | 5-Section / 38.5–155 ft | 163–202 ft                   | 1,050 lbs           | 23 ft 3 in              | 47,970 lbs                |
| TC50155X  | 50 USt | 5-Section / 38.5–155 ft | 163–202 ft                   | 990 lbs             | 23 ft 3 in              | 47,970 lbs                |
| TC65131   | 65 USt | 4-Section / 39.4–131 ft | 142–194 ft                   | 1,670 lbs           | 24 ft 36 in             | 74,840 lbs                |
| TC65159   | 65 USt | 5-Section / 39.8–159 ft | 169–209 ft                   | 1,100 lbs           | 24 ft 36 in             | 78,865 lbs                |

| Chassis Data                                            | TC65159                                     |
|---------------------------------------------------------|---------------------------------------------|
| Frame section modulus at 180° / 360° area of operation* | 270 in <sup>3</sup> 120,000 psi–758,423 kPa |
| <b>Truck Axle Weight</b>                                |                                             |
| Min. axle weight – Front**                              | 10,100 lbs (4,581 kg)                       |
| Min. axle weight – Rear**                               | 14,730 lbs (6,682 kg)                       |
| Nominal frame width                                     | 34 in (864 mm)                              |
| <b>Crane Weight</b>                                     |                                             |
| Crane – Dry weight                                      | 52,830 lbs (23,963 kg)                      |
| Jib fixed 38 ft                                         | 2,200 lbs (998 kg)                          |
| Jib telescopic                                          | 2,300 lbs (1,043 kg)                        |
| Aluminum platforms                                      | 555 lbs (252 kg)                            |
| Counterweight                                           | 10,000 lbs (4,536 kg)                       |

\* Frame selection modulus at 360° area of operation requires front bumper stabilizer.

\*\* Minimum chassis weight required to meet 85% stability requirements.

## Notes

Chassis data is general – not for engineering. Some dimensions depend on truck selection.

Additional axles required for federal bridge legal configuration – consult Manitex.

Manitex highly recommends addition of a front stabilizer and may be required on some installations – consult Manitex.

# S SERIES – INTUITIVE OPERATION. EVERY LIFT.

The S Series delivers smooth, predictable control with familiar single-axis hydraulics.

Affordable and versatile, it adapts to any work environment with a full range of accessories, ensuring reliable performance on every lift.



| Model    | Rating | Boom length             | Max Tip Height<br>Boom & Jib | Max Cap @<br>Radius | Max Outrigger<br>Spread | Crane Operating<br>Weight |
|----------|--------|-------------------------|------------------------------|---------------------|-------------------------|---------------------------|
| 40100S   | 40 USt | 4-Section / 30.5–100 ft | 109–164 ft                   | 560 lbs             | 22 ft 0 in              | 30,390 lbs                |
| 40100SHL | 40 USt | 4-Section / 30.5–100 ft | 109–164 ft                   | 560 lbs             | 22 ft 0 in              | 30,390 lbs                |
| 40124S   | 40 USt | 5-Section / 31–124 ft   | 132–190 ft                   | 620 lbs             | 22 ft 0 in              | 31,800 lbs                |
| 40124SHL | 40 USt | 5-Section / 31–124 ft   | 132–190 ft                   | 800 lbs             | 22 ft 0 in              | 37,500 lbs                |
| 50110S   | 50 USt | 4-Section / 34–110 ft   | 119–167 ft                   | 990 lbs             | 23 ft 3 in              | 36,578 lbs                |
| 50110SHL | 50 USt | 4-Section / 34–110 ft   | 119–167 ft                   | 1,570 lbs           | 23 ft 3 in              | 42,696 lbs                |
| 50128S   | 50 USt | 4-Section / 38.5–128 ft | 137–185 ft                   | 850 lbs             | 23 ft 3 in              | 39,948 lbs                |
| 50128SHL | 50 USt | 4-Section / 38.5–128 ft | 137–185 ft                   | 850 lbs             | 23 ft 3 in              | 44,652 lbs                |
| 50155S   | 50 USt | 5-Section / 38.5–155 ft | 163–202 ft                   | 1,020 lbs           | 23 ft 3 in              | 43,574 lbs                |
| 50155SHL | 50 USt | 5-Section / 38.5–155 ft | 163–202 ft                   | 1,050 lbs           | 23 ft 3 in              | 47,970 lbs                |

| Chassis Data                                            | 50155S                                       | 50155SHL                                     |
|---------------------------------------------------------|----------------------------------------------|----------------------------------------------|
| Frame section modulus at 180° / 360° area of operation* | 27.0 in <sup>3</sup> 110,000 psi–758,423 kPa | 27.0 in <sup>3</sup> 110,000 psi–758,423 kPa |
| <b>Truck Axle Weight</b>                                |                                              |                                              |
| Min. axle weight – Front**                              | 10,750 lbs (4,876 kg)                        | 9,500 lbs (4,309 kg)                         |
| Min. axle weight – Rear**                               | 12,300 lbs (5,579 kg)                        | 13,400 lbs (6,078 kg)                        |
| Nominal frame width                                     | 34 in (864 mm)                               | 34 in (864 mm)                               |
| <b>Crane Weight</b>                                     |                                              |                                              |
| Crane                                                   | 39,175 lbs (17,796 kg)                       | 45,605 lbs (20,686 kg)                       |
| Jib fixed                                               | 1,510 lbs (685 kg)                           | 1,510 lbs (685 kg)                           |
| Jib telescopic                                          | N/A                                          | N/A                                          |
| Aluminum platforms                                      | 621 lbs (282 kg)                             | 621 lbs (282 kg)                             |

\* Frame selection modulus at 360° area of operation requires front bumper stabilizer.

\*\* Minimum chassis weight required to meet 85% stability requirements.

## Notes

Chassis data is general – not for engineering. Some dimensions depend on truck selection.

Additional axles required for federal bridge legal configuration – consult Manitex.

Manitex highly recommends addition of a front stabilizer and may be required on some installations – consult Manitex.

# T SERIES – HAUL, LIFT, AND DELIVER.

The T Series combines hauling and lifting efficiency with quick setup and dependable power—perfect for transport operations that need strength, speed, and versatility.



| Model    | Rating | Boom length            | Max Tip Height<br>Boom & Jib | Max Cap @<br>Radius | Max Outrigger<br>Spread | Crane Operating<br>Weight |
|----------|--------|------------------------|------------------------------|---------------------|-------------------------|---------------------------|
| 2281 C/T | 22 USt | 4-Section / 25–81 ft   | 92–133 ft                    | 410 lbs             | 21 ft 6 in              | 17,124 lbs                |
| 3051T    | 30 USt | 3-Section / 21.3–51 ft | 62 ft                        | 7310 lbs            | 22 ft 3 in              | 15,800 lbs                |
| 4596T    | 45 USt | 4-Section / 30.5–96 ft | 105–150 ft                   | 6,080 lbs           | 23 ft 3 in              | 34,452 lbs                |
| 45110T   | 45 USt | 4-Section / 34–110 ft  | 119–164 ft                   | 1,570 lbs           | 23 ft 3 in              | 36,578 lbs                |
| 5096T    | 50 USt | 4-Section / 30.5–96 ft | 105–150 ft                   | 2,540 lbs           | 23 ft 3 in              | 34,452 lbs                |
| 50110T   | 50 USt | 4-Section / 34–110 ft  | 119–164 ft                   | 1,570 lbs           | 23 ft 3 in              | 36,578 lbs                |

| Chassis Data                                            |  | 3051T                                                               |
|---------------------------------------------------------|--|---------------------------------------------------------------------|
| Wheelbase (WB)                                          |  | 240 in (6,096 mm)                                                   |
| Cab to tandem (CT)                                      |  | 147.2 in (3,739 mm)                                                 |
| After frame (AF)                                        |  | 76 in (1,930 mm)                                                    |
| Nominal frame width                                     |  | 34 in (864 mm)                                                      |
| Frame section modulus at 180° / 360° area of operation* |  | 30 in <sup>3</sup> (491.6 cm <sup>3</sup> ) 110,000 psi–758,423 kPa |
| Truck Axle Weight                                       |  |                                                                     |
| Front axle gross weight rating                          |  | 18,000 lbs (8,165 kg)                                               |
| Rear axle gross weight rating                           |  | 34,000 lbs (15,422 kg)                                              |
| Min. truck axle weight – Front**                        |  | 8,400 lbs (3,810 kg)                                                |
| Min. truck axle weight – Rear**                         |  | 8,400 lbs (3,810 kg)                                                |
| Crane Weight                                            |  |                                                                     |
| Total crane (standard)                                  |  | 16,129 lbs (7,316 kg)                                               |

\* Frame selection modulus at 360° area of operation requires front bumper stabilizer.

\*\* Minimum chassis weight required to meet 85% stability requirements.

## Notes

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# CM SERIES – VERSATILITY YOU CAN RELY ON.

Rapid setup and dependable lifting power make CM Series conventional stand-ups ideal for fast-paced jobs. Their jobsite-optimized design keeps operations safe, smooth, and productive.



| Model    | Rating | Boom length             | Max Tip Height<br>Boom & Jib | Max Cap @<br>Radius | Max Outrigger<br>Spread | Crane Operating<br>Weight |
|----------|--------|-------------------------|------------------------------|---------------------|-------------------------|---------------------------|
| 1770C    | 17 USt | 3-Section / 27–70 ft    | 81–121 ft                    | 550 lbs             | 20 ft 8 in              | 16,611 lbs                |
| 1970C    | 19 USt | 3-Section / 27–70 ft    | 81–121 ft                    | 550 lbs             | 20 ft 8 in              | 16,611 lbs                |
| 2277C    | 22 USt | 3-Section / 29–77 ft    | 88–139 ft                    | 510 lbs             | 21 ft 6 in              | 16,850 lbs                |
| 2281 C/T | 22 USt | 4-Section / 25–81 ft    | 92–133 ft                    | 410 lbs             | 21 ft 6 in              | 17,124 lbs                |
| 26101 C  | 26 USt | 4-Section / 30–101 ft   | 112–142 ft                   | 530 lbs             | 21 ft 6 in              | 18,970 lbs                |
| 2892 C   | 28 USt | 4-Section / 28–92 ft    | 103–149 ft                   | 440 lbs             | 23 ft 2 in              | 20,373 lbs                |
| 3577C    | 35 USt | 3-Section / 30.5–77 ft  | 88 ft                        | 3,220 lbs           | 22 ft 1 in              | 28,305 lbs                |
| 30100C   | 30 USt | 4-Section / 30–100 ft   | 112–157 ft                   | 650 lbs             | 22 ft 3 in              | 19,924 lbs                |
| 30102C   | 30 USt | 4-Section / 30.5–102 ft | 114–159 ft                   | 550 lbs             | 22 ft 4 in              | 21,738 lbs                |
| 35100C   | 35 USt | 4-Section / 31–100 ft   | 111–167 ft                   | 560 lbs             | 22 ft 0 in              | 29,706 lbs                |
| 35124C   | 35 USt | 4-Section / 31–124 ft   | 135–166 ft                   | 750 lbs             | 22 ft 0 in              | 31,126 lbs                |

| Chassis Data                        |  | 35124C                                      |
|-------------------------------------|--|---------------------------------------------|
| Wheelbase (WB)                      |  | 276 in (7,010 mm)                           |
| Cab to tandem (CT)                  |  | 202 in (5,131 mm)                           |
| After frame (AF)                    |  | 123.06 in (3,126 mm)                        |
| Nominal frame width                 |  | 34 in (864 mm)                              |
| Frame section modulus (180° / 360°) |  | 30 in <sup>3</sup> (491.6 cm <sup>3</sup> ) |
| Frame stress rating                 |  | 125,000 psi–861,875 kPa                     |
| Truck Axle Weight                   |  |                                             |
| Front axle gross weight rating      |  | 20,000 lbs (9,072 kg)                       |
| Rear axle gross weight rating       |  | 40,000 lbs (18,144 kg)                      |
| Min. axle weight – Front**          |  | 8,450 lbs (3,833 kg)                        |
| Min. axle weight – Rear**           |  | 8,300 lbs (3,765 kg)                        |
| Crane Weight                        |  |                                             |
| Total crane (standard)              |  | 32,260 lbs (14,633 kg)                      |
| 22 ft flatbed                       |  | 1,980 lbs (898 kg)                          |

\* Frame selection modulus at 360° area of operation requires front bumper stabilizer.

\*\* Minimum chassis weight required to meet 85% stability requirements.

## Notes

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