

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 Boom & Jib	Max Cap @ Radius	Max Outrigger Spread	Crane Operating 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 ³ 120,000 psi–758,423 kPa
Truck Axle Weight	
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)
Crane Weight	
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 Boom & Jib	Max Cap @ Radius	Max Outrigger Spread	Crane Operating 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 ³ 110,000 psi–758,423 kPa	27.0 in ³ 110,000 psi–758,423 kPa
Truck Axle Weight		
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)
Crane Weight		
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

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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 Boom & Jib	Max Cap @ Radius	Max Outrigger Spread	Crane Operating 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 ³ (491.6 cm ³) 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

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.

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 Boom & Jib	Max Cap @ Radius	Max Outrigger Spread	Crane Operating 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 ³ (491.6 cm ³)
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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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.

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