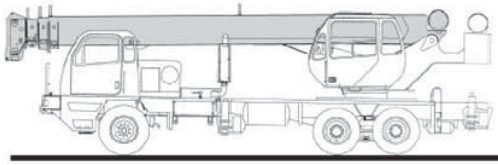
TEREX
T300-1 / T300-1 XL SERIES

truck cranes
specifications



STANDARD BOOM EQUIPMENT

BOOM
30-94 ft. (9.23-28.49 m), four section full power, mechanically synchronized boom. High-strength four plate construction with embossed side plate holes to reduce weight and increase strength. Anti-friction slide pads. A single boom hoist cylinder provides for boom elevation of -4 to 77 degrees. Maximum tip height is 99 ft. (30.17 m).

BOOM HEAD
Welded to outer section of boom. Four or five non - metallic load sheaves and two metallic idler sheaves mounted on heavy duty, anti-friction bearings. Quick reeving boom head. Provisions made for side-stow jib mounting.

OPTIONAL BOOM EQUIPMENT

MAIN BOOM
33-81 ft. (10.15 - 24.83 m), three section full power, mechanically synchronized boom. High-strength four plate construction with embossed side plate holes to reduce weight and increase strength. Anti-friction slide pads. A single boom hoist cylinder provides for boom elevation of -4 to 77 degrees. Maximum tip height is 87 ft. (26.52 m).
33.75-105' (10.29-32.0 m), four section full power, mechanically synchronized boom. Extra high-strength four plate construction with embossed side plate holes. Anti-friction slide pads. A single boom hoist cylinder provides boom elevation of -4 to 77 degrees. Maximum tip height is 110 ft. (33.5 m).

JIBS
32 ft. (9.68 m) side stow swing-on one-piece lattice type jib. Single sheave mounted on anti-friction bearing. Jib is offsettable at 0°, 15°, or 30°. Maximum tip height is 129 ft. (39.32 m) with 94 ft. (28.49 m) boom, 140 ft. with 105 ft. (32.0 m) boom.

32-49 ft. (9.68 -14.86 m) side-stow swing-on lattice type jib. Single sheave mounted on anti-friction bearing. Jib is extendible to 49 ft. (14.86 m) by means of a 17 ft. (5.18 m) manual pull-out tip section, roller supported for ease of extension. Jib is offsettable at 0°, 15°, or 30°. Maximum tip height is 147 ft. (44.81 m) with 94 ft. (28.49 m) boom, 158 ft. with 105 ft. (32.0 m) boom.

AUXILIARY BOOM HEAD
Removable auxiliary boom head has single sheave mounted on anti friction bearing. Removable pin type rope guard for quick reeving. Installs on main boom peak only. Removal is not required for jib use.

HOOK BLOCK
Three, or four metallic sheaves on anti-friction bearings with hook and heavy duty hook latch. Quick reeving design does not require removal of wedge and socket from rope.

HOOK & BALL
7 ton (6.3 mt) top swivel ball with hook and hook latch.

This information is for reference use only. Operators manual should be consulted and adhered to.
Please contact Crane Service Inc. at 1-800-877-1100 for further information.

STANDARD CARRIER EQUIPMENT (continued)

CARRIER CAB

One-man aluminum cab is mounted on vibration absorbing pads and has optimum visibility, safety glass, acoustical foam padding inside cab for insulating against sound and weather, hot air defroster, six-way adjustable air suspension seat with seat belt and arm rests, and a lockable door with roll down window.

CONTROLS

Included are transmission shift, inter-axle differential lock, cruise control, parking brake, two-speed windshield wiper/washer, heater and defroster, lights, headlight dimmer, dome light, and ignition switch.

INSTRUMENTS

Included are speedometer, hourmeter, tachometer, voltmeter, fuel gauge, engine oil pressure gauge, water temperature gauge, dual air pressure gauges. Warning lights include low coolant level, parking brakes on, low air, pumps engaged, and high beam lights.

ACCESSORIES

Included are fire extinguisher, right hand and left hand rear view mirrors, electric horn, access steps and grab handles (located at four separate points around the crane), back-up alarm, two position boom rack, front and rear towing loops.

LIGHTS

Light package includes headlights with foot operated dimmer switch, clearance lights, tail lights, directional signal lights, four-way hazard flasher lights, back-up lights with audible alarm.

OPTIONAL EQUIPMENT

Spare Tire with Wheel • Immersion Heater(s) • Pintle Hook • Cold Weather Kit • Allison 3500 RDS 6-speed Automatic Transmission • Rear Air Suspension • Engine Exhaust Brake • Air Conditioner • Aluminum R/L Hand Tool Boxes • Ground Level Outrigger Controls

HYDRAULIC SYSTEM

HYDRAULIC PUMPS

Triple pump driven from engine flywheel housing PTO with air shifted mechanical pump disconnect at 1.15 times engine speed. A separate steering pump is driven directly from the engine. Combined system capacity is 115 gpm (435 lpm). Hydraulic oil cooler is standard.

Main Winch Pump
54 gpm (204.4 lpm) @ 3,500 psi (246.1 kg/ cm ^{2})

Boom Hoist and Telescope Pump
39 gpm (147.6 lpm) @ 3,500 psi (246.1 kg/ cm ^{2})

Outrigger and Swing Pump
22 gpm (83.3 lpm) @ 2,500 psi (175 kg/ cm ^{2})

Power Steering Pump
8 gpm (30.3 lpm) @ 2000 psi (105.5 kg/cm ^{2})

FILTRATION

Full flow oil filtration system with bypass protection includes a removable 60 mesh (250 micron) suction screen-type filter and 5 micron replaceable return line filter.

HYDRAULIC RESERVOIR

All welded construction with internal baffles and diffuser. Provides easy access to filters and is equipped with an external sight level gauge. The hydraulic tank is pressurized to aid in keeping out contaminants and in reducing potential pump cavitation. Capacity is 91 gal (344 liters).

MAIN WINCH SPECIFICATIONS

Hydraulic winch with bent axis piston motor and planetary reduction gearing provides 2-speed operation with equal speeds for power up and down. Winch is equipped with an integral automatic brake, grooved drum, tapered flanges, standard cable roller on drum, and electronic rotation indicator.

PERFORMANCE	LO-RANGE	HI-RANGE
Max. line speed (no load)		
First layer	167 fpm (50.9 m/min)	335 fpm (102.1 m/min)
Fifth layer	242 fpm (73.8 m/min)	484 fpm (147.5 m/min)
Max. line pull-first layer	15,639 lbs (7093 kg)	7,298 lbs (3310 kg)
Max. line pull-fifth layer	10,827 lbs (4911 kg)	5,052 lbs (2291 kg)
Permissible line pull	9,000 lbs (4082 kg)	

DRUM DIMENSIONS	DRUM CAPACITY
10.62 in (270 mm) drum diameter 17.55 in (446 mm) length 18.0 in (457 mm) flange dia. Cable: 5⁄8" x 450 ft. (16 mm x 137.2 m) Cable type: 5⁄8" (16 mm) 6x19 IWRC IPS right regular lay, preformed. Min. breaking strength 17.9 tons (16.2 mt).	Max. Storage: 570 ft (173.7 m) 6th layer not a working layer Max. Usable: 455 ft. (138.7 m)* *Based on minimum flange height above top layer to comply with ANSI B30.5

OPTIONAL AUX. WINCH

Hydraulic 2-speed winch with bent axis piston motor, equal speed power up and down, planetary reduction with integral automatic brake, grooved drum with tapered flanges, drum roller, and rotation indicator.

PERFORMANCE
Max. line speed (no load)
Fifth layer 484 fpm (147.5 m/min)
Max. line pull
First layer 15,639 lbs (7093 kg)

DRUM DIMENSIONS AND CAPACITY
(Same as main winch)

OPTIONAL HOIST LINE

MAIN WINCH AND OPTIONAL AUXILIARY WINCH – 5/8" (16 mm) rotation resistant compacted strand 18 x 19 or 19 x 19. Min breaking strength 22.6 tons (20.6 mt).

ENGINE SPECIFICATIONS

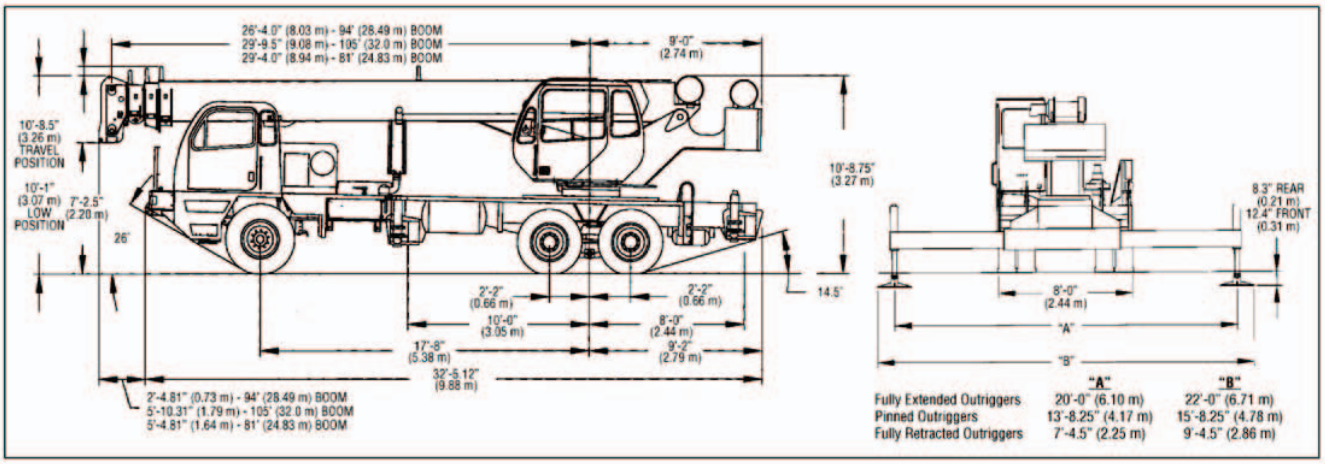
Make and Model	Cummins ISC 300 (300 hp)
Type	6 cylinder
Bore and Stroke	4.49 x 5.32 in. (114 x 135 mm)
Displacement	504.5 cu. in. (8.27 l)
Max. Gross Horsepower	300 hp (224 kw) @ 2000 rpm
Max. Gross Torque	860 lbs•ft. (1166 N•m)/1300 rpm
Net Horsepower	242 hp (180 kw) @ 2000 rpm
Aspiration	turbocharged
Electrical System	12 volt
Alternator	100 amp
Battery	(2) 12V- 950 C.C.A. @ 0°F (-18°C)
Fuel Capacity	60 gal (227 l)

SPEED AND GRADEABILITY

Engine Transmission	Speed Range	Gradeability
Cummins Manual	60 mph (96 km/h)	56%
Cummins Automatic	60 mph (96 km/h)	64%

Performance data is based on a gross vehicle weight of 58,000 lb. (26 308 kg). Performance may vary due to engine performance, weight, tire size, etc. Gradeability data is theoretical and is limited by tire slip, vehicle stability, oil pan angle, and other factors.

GENERAL DIMENSIONS



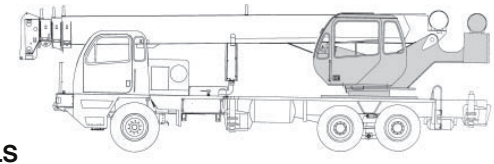
WEIGHTS & AXLE LOADS	GROSS WEIGHT LBS.	UPPER IN TRAVEL POSITION		GROSS WEIGHT KG.	UPPER IN TRAVEL POSITION	
		FRONT	REAR		FRONT	REAR
T 300 Crane with ISC 300 Engine, 94' (28.49 m) Boom, 2,000 + 500 lb. (1633 + 227 kg) Cwt., 1/4 Tank of Fuel, 425/65R22.5-20 PR Front and 11R22.5-14 PR Rear Tires, Aluminum Disc Wheels, and 200 lb. (90.7 kg) Operator in Cab.	47,101	16,576	30,525	21 365	7519	13 846
T 340XL Crane with ISC 300 Engine, 105' (32.0 m) Boom, 11,000 + 1,850 lb. (4990 + 227 kg) Cwt., 1/4 Tank of Fuel, 425/65R22.5-20 PR Front and 11R22.5-14 PR Rear Tires, Aluminum Disc Wheels, and 200 lb. (90.7 kg) Operator in Cab.	60,053	16,515	43,528	27 240	7491	19 749
Add Options:						
32' (9.68 m) Swing-on Jib on 94' (28.49 m) Boom	+ 1,368	+ 797	+ 571	+ 620	+ 362	+ 258
32' (9.68 m) Swing-on Jib on 81' (24.83 m) Boom	+ 1,368	+ 1,030	+ 338	+ 620	+ 467	+ 153
32' (9.68 m) Swing-on Jib on 105' (32.00 m) Boom	+ 1,368	+ 1,117	+ 251	+ 620	+ 507	+ 113
32'-49' (9.68-14.86 m) Swing on Jib on 94' (28.49 m) Boom	+ 1,789	+ 1,004	+ 785	+ 811	+ 455	+ 356
32'-49' (9.68-14.86 m) Swing on Jib on 81' (28.49 m) Boom	+ 1,789	+ 1,307	+ 482	+ 811	+ 593	+ 218
32'-49' (9.68-14.86 m) Swing on Jib on 105' (32.00 m) Boom	+ 1,789	+ 1,343	+ 446	+ 811	+ 609	+ 202
Auxiliary Boom Head on 94' (28.49 m) Boom	+ 100	+ 154	– 54	+ 45	+ 70	- 25
Auxiliary Boom Head on 81' (24.83 m) Boom	+ 100	+ 167	– 67	+ 45	+ 89	- 44
Auxiliary Boom Head on 105' (32.00 m) Boom	+ 100	+ 170	– 70	+ 45	+ 77	- 32
Full Tank of Fuel	+ 315	+ 120	+ 195	+ 142	+ 54	+ 88
Auxiliary Winch W/Drum Roller and Wire Rope	+ 175	- 73	+ 248	+ 79	- 112	+ 191
Heater/Defroster (Upper)	+ 60	- 5	+ 65	+ 27	- 2	+ 25
Work Lights	+ 35	+ 5	+ 30	+ 16	+ 2	+ 18
Sling Box Installed on Left Side of Carrier	+ 87	+ 62	+ 25	+ 40	+ 28	+ 12
Sling Box Installed on Right Side of Carrier	+ 87	+ 31	+ 56	+ 40	+ 14	+ 26
Pintle Hook (Rear)	+ 50	- 26	+ 76	+ 23	+ 12	+ 34
Electric Remote Control	+ 200	+ 100	+ 100	+ 91	+ 45	+ 45
40 ton (36.3 mt) Quick Reeving Hook Block (On Bumper – 4 Sheave)	+ 690	+ 973	- 283	+ 313	+ 441	- 128
7 ton (6.3 mt) Hook and Ball (At boom rack)	+ 240	+ 145	+ 95	+ 109	+ 66	+ 43
Substitute: 33-81' (10.15-24.83m) Boom w/3,100 lb (1,406 kg) Upper Cwt. & 500 lb (227 kg) F. Bumper	- 640	- 630	- 10	- 290	- 286	- 4
7,200 lb Upper Cwt w/1,850 F. Bumper (94' Boom)	+ 6,636	- 619	+7,255	+ 3010	- 281	+ 3291
7,200 lb Upper Cwt w/1,850 F. Bumper (81' Boom)	+ 5,450	- 121	+5,571	+ 2472	- 55	+ 2527
Aux. Winch W/Drum Roller for Heavy Cwt. (above)	+ 5	+ 5	+ 0	+ 2	+ 2	0
Metallic Boom Head Sheaves	+ 120	+ 196	- 32	+ 54	+ 89	- 35
Front Air Suspension	+ 100	+ 94	+ 6	+ 46	+ 43	+ 3
Rear Air Suspension	+ 344	0	+ 344	+ 156	0	+ 156
Spin Resistant Wire Rope (per winch)	+ 32	- 12	+ 44	+ 14	- 6	+ 20
Automatic Transmission w/2-speed axles	+ 15	0	+ 15	+ 7	0	+ 7
Automatic Transmission w/2-speed aux. trans. & 2-speed axles	+ 510	+ 300	+ 210	+ 231	+ 136	+ 95

NOTE: Weights are for Terex supplied equipment and subject to 2% variation due to manufacturing tolerances.

WE RESERVE THE RIGHT TO AMEND THESE SPECIFICATIONS AT ANY TIME WITHOUT NOTICE. THE ONLY WARRANTY APPLICABLE IS OUR STANDARD WRITTEN WARRANTY APPLICABLE TO THE PARTICULAR PRODUCT AND SALE. WE MAKE NO OTHER WARRANTY, EXPRESSED OR IMPLIED.

TEREX
TEREX Cranes
106 12th Street S.E.
Waverly, IA 50677-9466 USA
TEL: +1 (319) 352-3920
FAX: +1 (319) 352-5727
EMAIL: inquire@terexwaverly.com
WEB: terex.com

STANDARD UPPERSTRUCTURE EQUIPMENT



UPPERSTRUCTURE FRAME
All welded one-piece structure fabricated with high tensile strength alloy steel. Counterweight is bolted to frame.

TURNTABLE CONNECTION
Swing bearing is a single row, ball type, with external teeth. The swing bearing is bolted to the revolving upperstructure and to the carrier frame.

SWING
A hydraulic motor drives a double planetary reduction gear for precise and smooth swing function. Swing speed (no load) is 2.8 rpm.

SWING BRAKE
Heavy duty multiple disc swing brake is mechanically actuated from operator's cab by foot pedal. Brake may be locked on or used as a momentary brake.

RATED CAPACITY INDICATOR
Rated Capacity Indicator with visual and audible warning system and automatic function disconnects. Second generation pictographic display includes: boom radius, boom angle, boom length, allowable load, actual load, and percentage of allowable load registered by bar graph. Operator settable alarms provided for swing angle, boom length, boom angle, tip height and work area exclusion zone. Anti-two block system includes audio/visual warning and automatic function disconnects.

OPERATOR'S CAB
Environmental cab with all steel construction, optimum visibility, tinted safety glass throughout, and rubber floor matting is mounted on vibration absorbing pads. The cab has a sliding door on the left side, framed sliding window on the right side, hinged tinted all glass skylight and removable front windshield to provide optimum visibility of the load open or closed. Acoustical foam padding insulates against sound and weather. The deluxe six-way adjustable operator's seat is equipped with a mechanical suspension and includes head and arm rests.

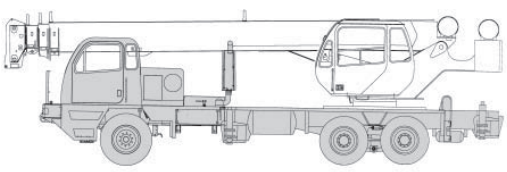
CONTROLS
Armrest mounted dual axis controls for winch(s), swing, and boom elevation. Winch rotation indication incorporated into control handles. Armrest swings up to improve access and egress. Vernier adjustable hand throttle included. Switches include ignition, engine stop, lights, horn, windshield wipers, defroster, outriggers, 360° house lock, etc. Horn and winch speed shift switches are mounted in the levers. Foot control pedals include swing brake, boom telescope, and throttle.

INSTRUMENTATION AND ACCESSORIES
In-cab gauges include bubble level, engine oil pressure, fuel, engine temperature, voltmeter. Indicators include high coolant temperature/low engine oil pressure audio visual warning, low coolant level audio visual warning, and Rated Capacity Indicator. Accessories include fire extinguisher, windshield washer/wiper, skylight wiper, left & right hand rear view mirrors, dash and dome lights, and seat belt. Circuit breakers protect electrical circuits.

HYDRAULIC CONTROL VALVES
Valves are mounted on the rear of the upperstructure and are easily accessible. Valves utilize electric over hydraulic operators and include one pressure compensated load sensing two spool valve for boom elevation and telescope, one pressure compensated load sensing two spool valve for main and auxiliary winch, and one single spool valve for swing. System provides for simultaneous operation of all crane functions. High pressure regeneration feature provides 2-speed boom extension. Quick disconnects are provided for ease of installation of pressure check gauges.

OPTIONAL EQUIPMENT
Auxiliary Winch • LP Heater/Defroster• Hydraulically Powered Air Conditioner • Diesel Heater/Defroster • Tachometer • Work Lights • Heavy Counterweight Package(s)

STANDARD CARRIER EQUIPMENT



CARRIER CHASSIS
Chassis is Terex designed and built with a 6 x 4 drive. Triple box construction frame is fabricated from high strength alloy steel and provides superior frame rigidity. Full aluminum decking improves access and reduces weight. Aluminum engine housing with sliding cover optimizes engine access while reducing weight and improving corrosion resistance.

AXLES AND SUSPENSION
Rear Axle – 45,000 lb. (20 412 kg) capacity tandem axles with heat treated housings have interaxle differential with lockout. Axles are mounted on standard air suspension, over equalizer beams with shock absorbers to distribute weight evenly. Front Axle – 22,000 lb. (9979 kg) I beam type axle with air suspension and shock absorbers for exceptional ride.

TIRES
Front: Two 425/65R22.5-20 P.R. All-Position type tubeless.
Rear: Eight 11R22.5-16 P.R. transport type.

BRAKES
Full air brakes on all wheels with ABS split circuit system.
Front brakes: 16.5 x 6 in. (419 x 152 mm)
Rear brakes: 16.5 x 7 in. (419 x 178 mm).
All brakes are air operated "S" cam type with automatic slack adjusters. Lining areas are 384 in ^{2} (2477 cm ^{2}) front and 920 in^2 (5935 cm ^{2}) rear. Air compressor has standard air dryer. Rear tandem axles have spring-set, air-released parking or emergency brake chambers. Parking brake is applied with valve mounted on dash panel. Emergency brakes apply automatically when air pressure drops below 60 psi (4.2 kg/cm ^{2}).

STEERING
Mechanism includes rack and pinion with integral hydraulic power.

	To ℄ of tires	To corner of carrier
Turning radius:	34' 0" (10.35 m)	37'-7" (11.46 m)

TRANSMISSION
Standard: Fuller RT 8908LL transmission has 10 speeds forward and 3 reverse, with neutral safety start. Gear selection is accomplished by single level shift control and two position air shift range selector. Optional: Allison 3500RDS provides 6 speeds forward with lock-up in top 5 gears. Adaptive feed back controls continually optimize shifts for weight, terrain, etc.

MULTI-POSITION OUT & DOWN OUTRIGGERS
Fully independent hydraulic outriggers may be utilized fully extended to 20 ft. (6.10 m), in their 1/2 extended position, or fully retracted. Removable aluminum outrigger pads are 452 in ^{2} (2919 cm^2) and stow on the carrier frame. Complete controls and sight leveling bubble are located in the operator's cab. Includes 5th, front, outrigger.

Lifting Capacities – Pounds (33.75'– 105' boom)

MODEL T340-1XL

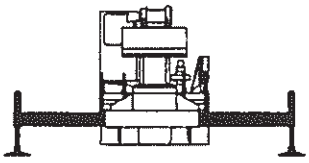
COUNTERWEIGHT:
F. BUMPER 1350 LBS.
UPPERSTRUCTURE:
W/AUX. WINCH 9900 LBS.
W/O AUX. WINCH 11000 LBS.

BOOM LENGTH 33.75-105 FT.
STABILITY PERCENTAGE
ON OUTRIGGERS 85%
ON TIRES 75%
PCSA CLASS 9-128

CAUTION: Do not use this specification sheet as a load rating chart. The format of data is not consistent with the machine chart and may be subject to change.

ON OUTRIGGERS - FULLY EXTENDED

LOAD RADIUS (FT)	BOOM LENGTH 33.75 FT			BOOM LENGTH 45 FT			BOOM LENGTH 57 FT			LOAD RADIUS (FT)
	LOADED BOOM ANGLE (DEG)	OVER REAR (LB)	360° (LB)	LOADED BOOM ANGLE (DEG)	OVER REAR (LB)	360° (LB)	LOADED BOOM ANGLE (DEG)	OVER REAR (LB)	360° (LB)	
9	67.8	80,000*	80,000*							9
10	66.0	64,500*	64,500*	72.3	46,600*	46,600*				10
12	62.1	58,100*	58,100*	69.6	46,600*	46,600*	74.0	46,600*	46,600*	12
15	56.1	50,800*	50,800*	65.4	46,600*	46,600*	70.8	44,600*	44,600*	15
20	44.8	39,700*	38,500*	58.1	38,900*	38,900*	65.4	36,500*	36,500*	20
25	30.2	30,000*	28,700*	50.1	31,000*	29,700*	59.7	31,100*	30,300*	25
30				40.9	24,600*	22,600	53.6	25,200*	23,200	30
35				29.5	19,400	16,900	46.9	20,000	17,400	35
40				8.4	15,200	12,800	39.4	15,900	13,500	40
45							30.4	12,900	10,800	45
50							17.5	10,600	8,600	50
55										55
60										60
65										65
70										70
75										75
80										80
85										85
90										90



USE THESE CHARTS ONLY WHEN ALL OUTRIGGERS ARE FULLY EXTENDED

ON OUTRIGGERS - FULLY EXTENDED

LOAD RADIUS (FT)	BOOM LENGTH 69 FT			BOOM LENGTH 81 FT			BOOM LENGTH 93 FT			BOOM LENGTH 105 FT			LOAD RADIUS (FT)
	LOADED BOOM ANGLE (DEG)	OVER REAR (LB)	360° (LB)	LOADED BOOM ANGLE (DEG)	OVER REAR (LB)	360° (LB)	LOADED BOOM ANGLE (DEG)	OVER REAR (LB)	360° (LB)	LOADED BOOM ANGLE (DEG)	OVER REAR (LB)	360° (LB)	
9													9
10													10
12													12
15	74.3	41,700*	41,700*										15
20	69.9	34,900*	34,900*	73.0	30,700*	30,700*							20
25	65.4	29,500*	29,500*	69.2	26,100*	26,100*	72.0	23,500*	23,500*				25
30	60.7	25,500*	23,500	65.4	22,600*	22,600*	68.7	20,400*	20,400*	71.3	18,700*	18,700*	30
35	55.8	20,300	17,700	61.4	19,700*	17,900	65.4	17,800*	17,800*	68.4	16,300*	16,300*	35
40	50.5	16,200	13,800	57.3	16,400	14,000	61.9	15,700*	14,200	65.4	14,500*	14,300	40
45	44.8	13,300	11,100	52.9	13,500	11,300	58.3	13,600	11,400	62.3	13,000*	11,500	45
50	38.4	11,000	9,000	48.3	11,200	9,200	54.6	11,400	9,300	59.2	11,500	9,400	50
55	31.0	9,200	7,400	43.3	9,500	7,600	50.7	9,600	7,700	55.9	9,700	7,800	55
60	21.3	7,700	6,000	37.7	8,000	6,300	46.6	8,200	6,400	52.5	8,300	6,500	60
65				31.4	6,800	5,200	42.1	7,000	5,300	49.0	7,100	5,400	65
70				23.5	5,800	4,300	37.2	6,000	4,400	45.2	6,100	4,500	70
75				11.1	4,900	3,500	31.7	5,100	3,700	41.2	5,200	3,800	75
80							25.1	4,300	3,000	36.8	4,500	3,100	80
85							16.0	3,700	2,400	31.9	3,800	2,600	85
90										26.2	3,300	2,100	90
95										18.9	2,800	1,600	95
100										5.2	2,300	1,200	100

** MAXIMUM CAPACITY AT 0 DEGREE BOOM ANGLE

BOOM LENGTH 33.75 FT			BOOM LENGTH 45 FT			BOOM LENGTH 57 FT			BOOM LENGTH 69 FT			BOOM LENGTH 81 FT			BOOM LENGTH 93 FT			BOOM LENGTH 105 FT		
LOAD RADIUS (FT)	OVER REAR (LB)	360° (LB)	LOAD RADIUS (FT)	OVER REAR (LB)	360° (LB)	LOAD RADIUS (FT)	OVER REAR (LB)	360° (LB)	LOAD RADIUS (FT)	OVER REAR (LB)	360° (LB)	LOAD RADIUS (FT)	OVER REAR (LB)	360° (LB)	LOAD RADIUS (FT)	OVER REAR (LB)	360° (LB)	LOAD RADIUS (FT)	OVER REAR (LB)	360° (LB)
29.1	24,400*	22,600	40.3	14,900	12,500	52.3	9,600	7,700	64.3	6,600	4,900	76.3	4,600	3,200	88.3	3,200	2,000	100.3	2,200	1,100

CRANE SERVICE INC.
This information is for reference use only. Operators manual should be consulted and adhered to.
Please contact Crane Service Inc. at 1-800-877-1100 for further information.

Lifting Capacities – Pounds (33.75'– 105' boom)

MODEL T340-1XL

COUNTERWEIGHT:
F. BUMPER 1350 LBS.
UPPERSTRUCTURE:
W/AUX. WINCH 9900 LBS.
W/O AUX. WINCH 11000 LBS.

BOOM LENGTH 33.75-105 FT.
STABILITY PERCENTAGE
ON OUTRIGGERS 85%
ON TIRES 75%
PCSA CLASS 9-128

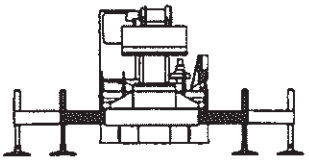
CAUTION: Do not use this specification sheet as a load rating chart. The format of data is not consistent with the machine chart and may be subject to change.

ON OUTRIGGERS - MID POSITION

LOAD RADIUS (FT)	BOOM LENGTH 33.75 FT		BOOM LENGTH 45 FT		BOOM LENGTH 57 FT		BOOM LENGTH 69 FT		BOOM LENGTH 81 FT		BOOM LENGTH 93 FT		BOOM LENGTH 105 FT		LOAD RADIUS (FT)
	LOADED BOOM ANGLE (DEG)	360° (LB)	LOADED BOOM ANGLE (DEG)	360° (LB)	LOADED BOOM ANGLE (DEG)	360° (LB)	LOADED BOOM ANGLE (DEG)	360° (LB)	LOADED BOOM ANGLE (DEG)	360° (LB)	LOADED BOOM ANGLE (DEG)	360° (LB)	LOADED BOOM ANGLE (DEG)	360° (LB)	
10	66.0	64,500*	72.3	46,600*											10
12	62.1	58,100*	69.6	46,600*	74.0	46,600*									12
15	56.1	39,200	65.4	40,200	70.8	40,800	74.3	41,200							15
20	44.8	21,800	58.1	22,700	65.4	23,200	69.9	23,500	73.0	23,800					20
25	30.2	13,800	50.1	14,800	59.7	15,300	65.4	15,600	69.2	15,800	72.0	15,900			25
30			40.9	10,300	53.6	10,800	60.7	11,100	65.4	11,300	68.7	11,400	71.3	11,500	30
35			29.5	7,200	46.9	7,900	55.8	8,100	61.4	8,300	65.4	8,500	68.4	8,600	35
40			8.4	5,000	39.4	5,800	50.5	6,100	57.3	6,300	61.9	6,400	65.4	6,500	40
45					30.4	4,200	44.8	4,600	52.9	4,800	58.3	4,900	62.3	5,000	45
50					17.5	3,000	38.4	3,400	48.3	3,600	54.6	3,700	59.2	3,800	50
55							31.0	2,400	43.3	2,700	50.7	2,800	55.9	2,900	55
60							21.3	1,600	37.7	1,900	46.6	2,100	52.5	2,200	60
65									31.4	1,200	42.1	1,400	49.0	1,500	65

** MAXIMUM CAPACITY AT 0 DEGREE BOOM ANGLE

BOOM LENGTH 33.75 FT		BOOM LENGTH 45 FT		BOOM LENGTH 57 FT		BOOM LENGTH 69 FT		BOOM LENGTH 81 FT		BOOM LENGTH 93 FT		BOOM LENGTH 105 FT	
LOAD RADIUS (FT)	360° (LB)	LOAD RADIUS (FT)	360° (LB)	LOAD RADIUS (FT)	360° (LB)	LOAD RADIUS (FT)	360° (LB)	LOAD RADIUS (FT)	360° (LB)	LOAD RADIUS (FT)	360° (LB)	LOAD RADIUS (FT)	360° (LB)
29.1	9,600	40.3	4,900	52.3	2,400	64.3	1,000						



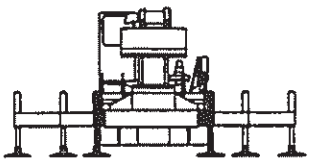
USE THESE CHARTS ONLY WHEN ALL OUTRIGGERS ARE PINNED IN MID POSITION

ON OUTRIGGERS - RETRACTED

LOAD RADIUS (FT)	BOOM LENGTH 33.75 FT		BOOM LENGTH 45 FT		BOOM LENGTH 57 FT		BOOM LENGTH 69 FT		BOOM LENGTH 81 FT		BOOM LENGTH 93 FT		BOOM LENGTH 105 FT		LOAD RADIUS (FT)
	LOADED BOOM ANGLE (DEG)	360° (LB)	LOADED BOOM ANGLE (DEG)	360° (LB)	LOADED BOOM ANGLE (DEG)	360° (LB)	LOADED BOOM ANGLE (DEG)	360° (LB)	LOADED BOOM ANGLE (DEG)	360° (LB)	LOADED BOOM ANGLE (DEG)	360° (LB)	LOADED BOOM ANGLE (DEG)	360° (LB)	
10	66.0	36,500	72.3	37,400											10
12	62.1	26,100	69.6	26,900	74.0	27,400									12
15	56.1	17,300	65.4	18,200	70.8	18,600	74.3	18,900							15
20	44.8	9,700	58.1	10,700	65.4	11,100	69.9	11,400	73.0	11,500					20
25	30.2	5,600	50.1	6,600	59.7	7,100	65.4	7,400	69.2	7,500	72.0	7,700			25
30			40.9	4,000	53.6	4,600	60.7	4,900	65.4	5,000	68.7	5,200	71.3	5,300	30
35			29.5	2,200	46.9	2,800	55.8	3,100	61.4	3,300	65.4	3,500	68.4	3,600	35
40			8.4	800	39.4	1,500	50.5	1,900	57.3	2,100	61.9	2,200	65.4	2,300	40
45									52.9	1,100	58.3	1,300	62.3	1,400	45

** MAXIMUM CAPACITY AT 0 DEGREE BOOM ANGLE

BOOM LENGTH 33.75 FT		BOOM LENGTH 45 FT		BOOM LENGTH 57 FT		BOOM LENGTH 69 FT		BOOM LENGTH 81 FT		BOOM LENGTH 93 FT		BOOM LENGTH 105 FT	
LOAD RADIUS (FT)	360° (LB)	LOAD RADIUS (FT)	360° (LB)	LOAD RADIUS (FT)	360° (LB)	LOAD RADIUS (FT)	360° (LB)	LOAD RADIUS (FT)	360° (LB)	LOAD RADIUS (FT)	360° (LB)	LOAD RADIUS (FT)	360° (LB)
29.1	3,200												



USE THESE CHARTS WHEN ALL OUTRIGGER BEAMS ARE NOT IN EITHER THE MID OR FULLY EXTENDED POSITION

Lifting Capacities – Pounds (33.75'– 105' boom)

MODEL T340-1XL

COUNTERWEIGHT:
F. BUMPER 1350 LBS.
UPPERSTRUCTURE:
W/AUX. WINCH 9900 LBS.
W/O AUX. WINCH 11000 LBS.

BOOM LENGTH 30-94 FT.
STABILITY PERCENTAGE
ON OUTRIGGERS 85%
ON TIRES 75%
PCSA CLASS 9-128

CAUTION: Do not use this specification sheet as a load rating chart. The format of data is not consistent with the machine chart and may be subject to change.

SIDE STOW JIB ON FULLY EXTENDED OUTRIGGERS

LOADED BOOM ANGLE (DEG)	32 FT OFFSETTABLE JIB									49 FT OFFSETTABLE JIB									LOADED BOOM ANGLE (DEG)
	0° OFFSET			15° OFFSET			30° OFFSET			0° OFFSET			15° OFFSET			30° OFFSET			
	LOAD RADIUS (REF) (FT)	REAR ONLY (LB)	360° (LB)	LOAD RADIUS (REF) (FT)	REAR ONLY (LB)	360° (LB)	LOAD RADIUS (REF) (FT)	REAR ONLY (LB)	360° (LB)	LOAD RADIUS (REF) (FT)	REAR ONLY (LB)	360° (LB)	LOAD RADIUS (REF) (FT)	REAR ONLY (LB)	360° (LB)	LOAD RADIUS (REF) (FT)	REAR ONLY (LB)	360° (LB)	
75	43	9,300*	9,300*	51	8,500*	8,500*	57	6,600*	6,600*	47	5,100*	5,100*	57	3,400*	3,400*	66	2,700*	2,700*	75
73	47	8,900*	8,900*	55	8,200*	8,200*	61	6,400*	6,400*	52	4,800*	4,800*	63	3,300*	3,300*	71	2,700*	2,700*	73
71	51	8,500*	8,500*	59	7,800*	7,800*	65	6,300*	6,300*	58	4,500*	4,500*	69	3,200*	3,200*	76	2,600*	2,600*	71
68	56	7,900*	7,700	64	7,400*	6,400	70	6,000*	6,000*	65	4,100*	4,100*	76	3,000*	3,000*	82	2,500*	2,500*	68
65	62	7,300*	6,200	69	6,800	5,300	75	5,900*	5,100	72	3,800*	3,800*	83	2,900*	2,900*	89	2,500*	2,500*	65
62	68	6,400	5,100	75	5,700	4,500	80	5,600	4,300	79	3,600*	3,600*	89	2,800*	2,800*	95	2,400*	2,400*	62
59	74	5,300	4,200	81	4,900	3,900	85	4,900	3,500	86	3,400*	3,400*	95	2,700*	2,700*	101	2,400*	2,400*	59
55	80	4,400	3,200	87	4,200	3,000	91	4,100	2,900	93	3,100*	2,700	102	2,600*	2,500	107	2,300*	2,300*	55
51	87	3,700	2,500	93	3,500	2,300	97	3,500	2,300	101	2,900*	2,100	108	2,500*	2,000	113	2,300*	1,800	51
47	94	3,100	2,000	99	2,900	1,900	102	2,900	1,800	108	2,500	1,600	114	2,300	1,500	119	2,200*	1,300	47
43	101	2,500	1,500	105	2,400	1,500	107	2,300	1,400	115	2,000	1,200	120	1,900	1,100	125	1,800	1,000	43
38	108	1,900	1,000	112	1,800	1,000	113	1,800	900	122	1,600	800	127	1,500		131	1,400		38
32	115	1,400		119	1,400		120	1,400		130	1,200		134	1,100		136	1,100		32
25	122	1,000		125	1,000					139	800		141	800					25

NOTES FOR JIB CAPACITIES

A. For all boom lengths less than the maximum with a jib erected the rated loads are determined by boom angle only in the appropriate column.
B. For boom angle not shown, use the capacity of the next lower boom angle.
C. Listed radii are for extended main boom only.

ON TIRES

RADIUS (FT)	MAX BOOM LENGTH (FT)	ALL		
			PICK & CARRY	
		STATIONARY	CREEP	2.5 MPH
		STRAIGHT OVER REAR		
10	33.75	21,700	21,700	16,500*
12	33.75	15,600	15,600	14,900*
15	45	12,800	12,800	12,700*
20	45	8,500	8,500	8,500
25	45	5,800	5,800	5,800
30	45	3,800	3,800	3,800
35	57	2,500	2,500	2,500
40	57	1,700	1,700	1,700
45	57	1,000	1,000	1,000

NOTES FOR ON TIRE CAPACITIES

A. For Pick and Carry operations, boom must be centered over the rear of the crane with swing brake and lock engaged. Use minimum boom point height and keep load close to ground surface. Travel must be on smooth level surface.
B. The load should be restrained from swinging. NO ON TIRE OPERATION WITH JIB ERECTED.
C. Without outriggers, never maneuver the boom beyond listed load radii for applicable tires to ensure stability.
D. Creep speed is crane movement of less than 200 Ft. (61m) in a 30 minute period and not exceeding 1.0 mph(1.6 km/h).
E. Refer to General Notes for additional information.

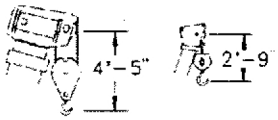
MAXIMUM PERMISSIBLE HOIST LINE LOAD

LINE PARTS	1	2	3	4	5	6	7	8	9	10
MAX. LOAD	9,080	18,160	27,240	36,320	45,400	54,480	63,560	72,640	81,720	90,800
BOOM HEAD	2	3-D	2-3	1-4-D	2-3-4	2-3-4-D	1-2-3-4	1-2-3-4-D	1-2-3-4-5	1-2-3-4-5-D
HOOK BLOCK	D	3	3-D	1-4	2-3-D	2-3-4	2-3-4-D	1-2-3-4	1-2-3-4-D	1-2-3-4-5
	WIRE ROPE: 5/8" ROTATION RESISTANT COMPACTED STRAND, 18X19 OR 19X19 MINIMUM BREAKING STRENGTH - 22.7 TONS 5/8" 6X19 OR 6X37 IWRC IPS PREFORMED RIGHT REGULAR LAY MINIMUM BREAKING STRENGTH - 17.9 TONS									

TEREX T340-1 XL

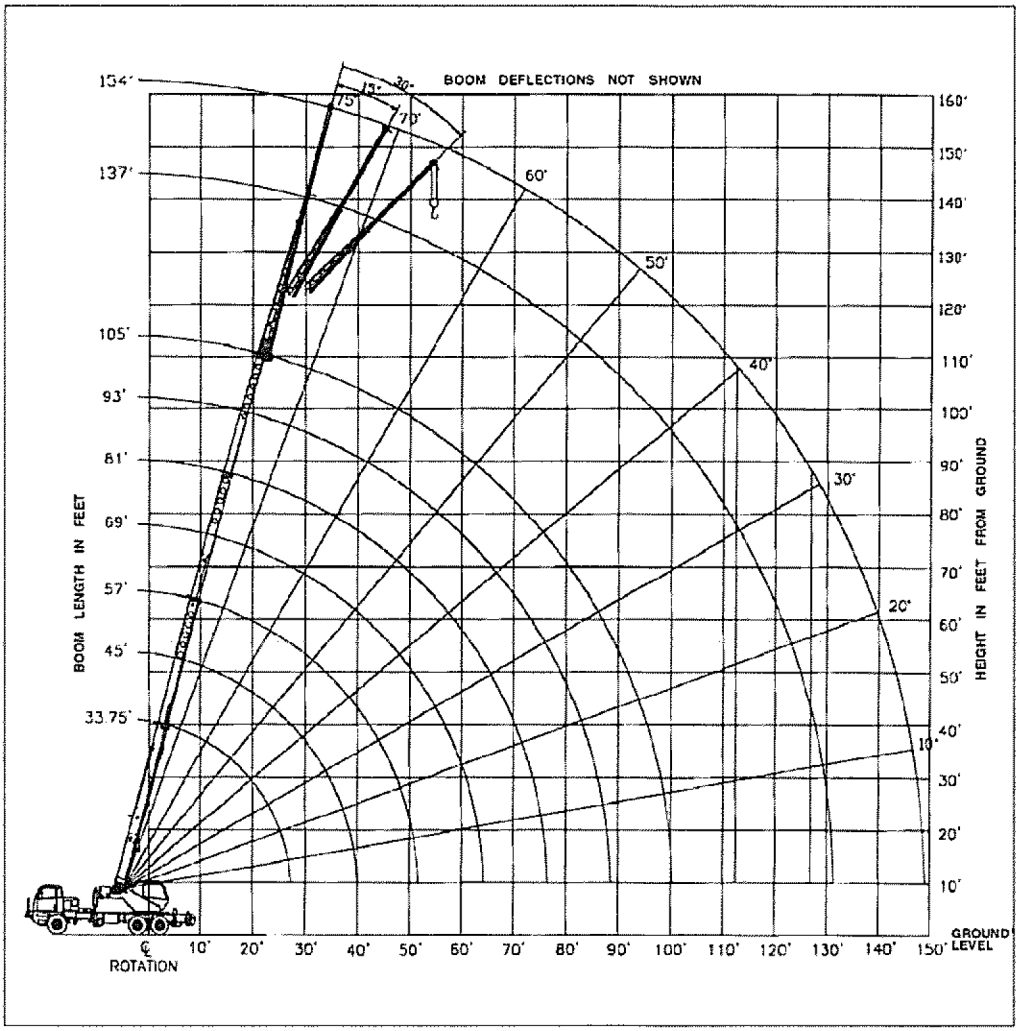
truck crane
40 ton capacity

range diagram & lifting capacities

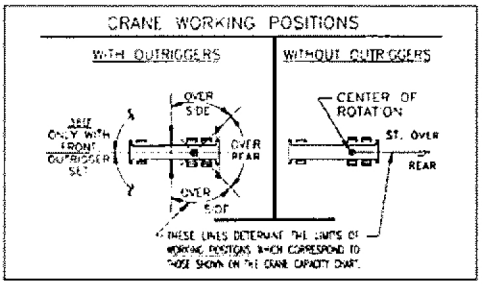


DIMENSIONS ARE FOR LARGEST FACTORY FURNISHED HOOK BLOCK AND HOOK & BALL, WITH ANTI-TWO BLOCK ACTIVATED

Range Diagram (33.75' - 105' boom)



CRANE WORKING CONDITIONS



REDUCTION IN MAIN BOOM CAPACITY

All Jibs in Stowed Position	0 Lbs.
Aux. Boom in Head Sheave	100 Lbs.

HOOK BLOCK WEIGHTS

Hook & Ball	239 Lbs.
25T Hook Block (2 Sheave)	682 Lbs.
30T Hook Block (3 Sheave)	670 Lbs.
40T Hook Block (4 Sheave)	690 Lbs.