



TRUCK CRANES
T 340-1/T 340-1 XL

DATA SHEET – IMPERIAL

T 340-1/T 340-1 XL



Features:

- ▶ 40 T Maximum Lifting Capacity
- ▶ 94 ft (XL 105 ft) Maximum Boom Length
- ▶ 99 ft (XL 110 ft) Maximum Tip Height
- ▶ Engine Power 300 hp
- ▶ Travel Speeds up to 60 mph

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

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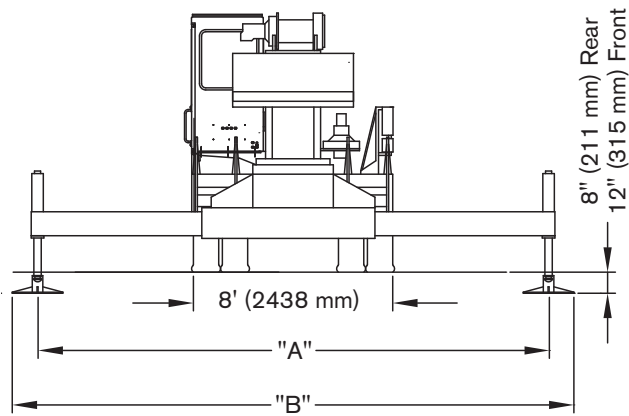
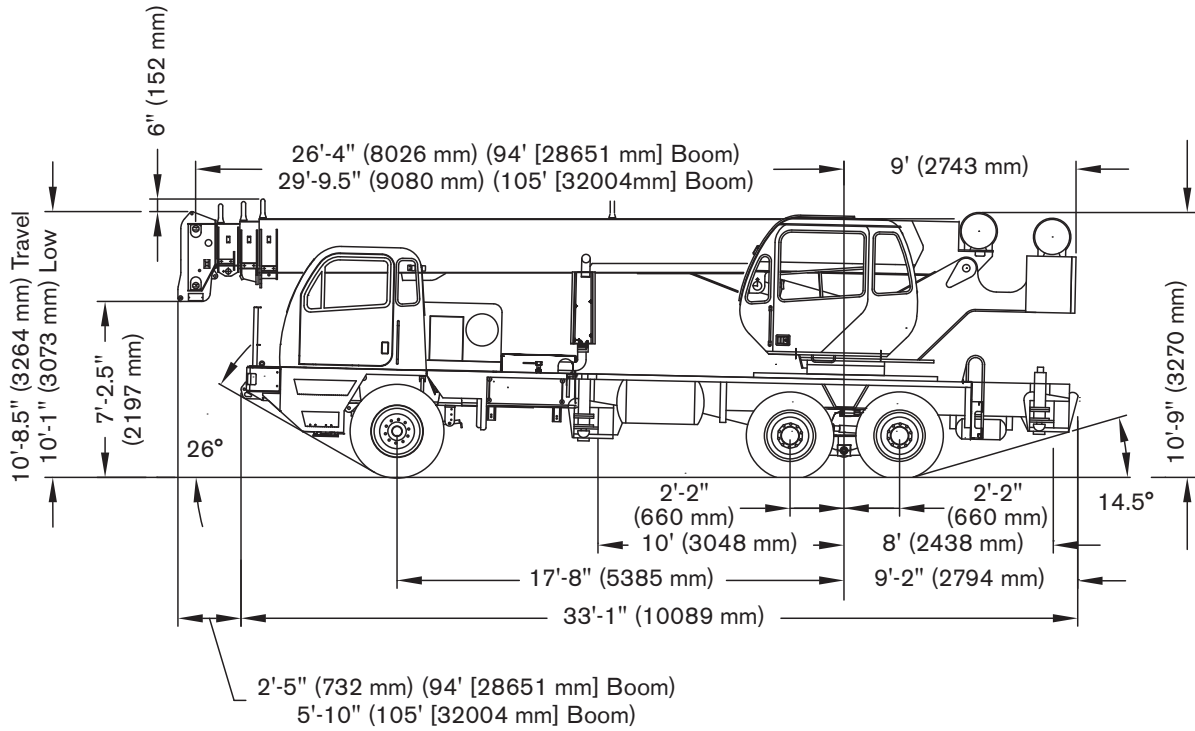
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KEY

T 340-1/T 340-1 XL

	Counterweight		Main boom with auxiliary head / rooster sheave
	Lifting capacity on outriggers		Auxiliary hoist
	Radius		Hook and ball
	Main boom		Swing brake
	Maximum axle loads		Heating and air conditioning
	Tires		Crane in standard configuration
	Hook block		Load limiter / safety devices
	Main hoist		Engine
	Travel speed		Electrical system
	Gradeability – road		Transmission
	Swing		Rated weight on hook block
	Boom telescoping		Boom over the rear
	Maximum line pull		Steering
	Rope diameter		Hydraulics
	Rope length		Hook block (capacity-sheaves-rope diameter)

CRANE DIMENSIONS





	"A"	"B"
FULLY EXTENDED OUTRIGGERS	20' (6096 mm)	22' (6706 mm)
PINNED OUTRIGGERS	13'-8" (4172 mm)	15'-8" (4781 mm)
FULLY RETRACTED OUTRIGGERS	7'-4.5" (2248 mm)	9'-4.5" (2857 mm)






SPECIFICATIONS

T 340-1/T 340-1 XL






Weight And Axle Load Chart: Boom In Front Travel Position

Icon	Configuration	Front Axle Load 22,000 Lbs Max	Rear Axle Load 45,000 Lbs Max	Gross Vehicle Weight
	T340-1 with 1/4 tank fuel 200 lb Operator seated in cab Front Tires: 445/65 R22-20PR Rear Tires: 11R22-14PR 94 ft Boom/No Jib 2,500 lb total counterweight	16,575	30,525	47,101
	T340-1 XL with 1/4 tank fuel 200 lb Operator seated in cab Front Tires: 445/65 R22-20PR Rear Tires: 11R22-14PR 105 ft Boom/No Jib 12,850 lb total counterweight	16,515	43,528	60,053

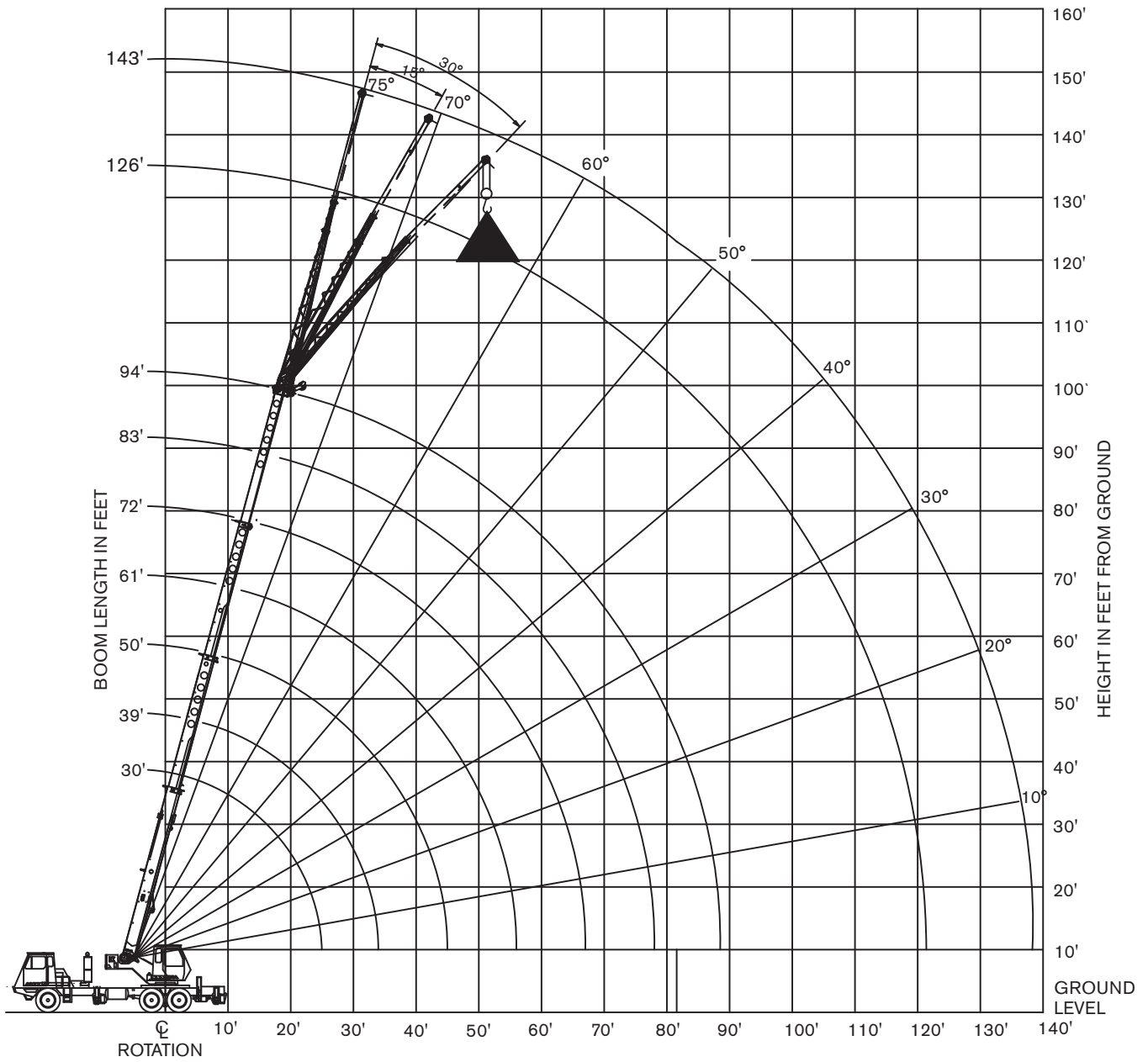
Counterweight Additions: T340-1: 94 ft boom

	32 ft swing-on jib	+ 797	+ 571	+ 1,270
	32 ft to 49 ft extensible swing-on jib	+ 1,007	+ 785	+ 1,789
	Auxiliary boom head	+ 154	- 54	+ 100
	40 T hook block on bumper	+ 973	- (283)	+ 690
	5 sheave, quick reeving	+ 145	+ 95	+ 240

Counterweight Additions: T340-1 XL: 105 ft boom

	32 ft swing-on jib	+ 1,117	+ 251	+ 1,368
	32 ft to 49 ft extensible swing-on jib	+ 1,343	+ 446	+ 1,789
	Auxiliary boom head	+ 170	- (70)	+ 100
	40 T hook block on bumper	+ 973	- (283)	+ 690
	5 sheave, quick reeving	+ 145	+ 95	+ 240

RANGE DIAGRAM



LOAD CHARTS

T 340-1

 1,850 lb

 100%

 360°

 30 to 94 ft

 ASME Standard
B 30.5

ft	Boom Length (ft)							ft
	30	39	50	61	72	83	94	
lb	lb	lb	lb	lb	lb	lb	lb	lb
9	80,000							9
10	70,000	46,500						10
12	60,900	46,500	46,500					12
15	49,300	46,500	44,200	38,000				15
20	35,200	36,000	36,500	32,900	27,300			20
25	26,600	27,500	28,000	27,800	23,000	21,700	17,400	25
30		19,800	20,300	20,600	19,800	18,200	14,900	30
35			15,200	15,500	15,700	15,800	13,000	35
40			11,700	12,100	12,200	13,700	11,400	40
45			9,200	9,600	9,800	12,000	10,000	45
50				7,700	7,900	10,100	8,200	50
55				6,300	6,500	8,500	6,700	55
60					5,300	7,200	5,600	60
65					4,400	6,200	4,600	65
70					4,400	5,300	3,900	70
75						4,500	3,200	75
80							2,600	80
85							2,100	85

 1,850 lb

 0%

 360°

 30 to 94 ft

 ASME Standard
B 30.5

ft	Boom Length (ft)							ft
	30	39	50	61	72	83	94	
lb	lb	lb	lb	lb	lb	lb	lb	lb
9	35,200							9
10	28,600	29,300						10
12	20,400	21,000	21,500					12
15	13,500	14,100	14,500	14,700				15
20	7,400	8,100	8,500	8,800	8,900			20
25	4,000	4,900	5,400	5,600	5,800	5,900	6,000	25
30		2,800	3,400	3,600	3,800	3,900	4,000	30
35			2,000	2,300	2,500	2,600	2,600	35

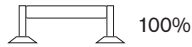
Notes to lifting capacity

Lifting capacities do not exceed 85% of tipping load. Weight of hook blocks and slings is part of the load, and is to be deducted from the capacity ratings. Consult operation manual for further details.

Note: Data published herein is intended as a guide only and shall not be construed to warrant applicability for lifting purposes. Crane operation is subject to the computer charts and operation manual both supplied with the crane.

LOAD CHARTS

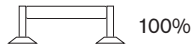
T 340-1



ASME Standard
B 30.5

32 ft Offset Jib

0°		15°		30°	
Load Radius ft	360° lbs	Load Radius ft	360° lbs	Load Radius ft	360° lbs
38	9,000	46	7,600	52	5,800
42	8,500	49	7,200	55	5,700
45	8,100	52	6,900	58	5,500
50	7,300	58	6,100	63	5,000
56	6,200	63	5,400	68	4,500
61	4,900	68	4,600	73	4,100
66	4,000	73	3,900	77	3,700
73	3,400	79	3,200	83	3,000
79	2,800	85	2,500	88	2,400
86	2,200	91	2,000	94	2,000
92	1,800	97	1,600	99	1,600
100	1,300	103	1,200	105	1,200
106	800	109	800	110	800



ASME Standard
B 30.5

49 ft Offset Jib

0°		15°		30°	
Load Radius ft	360° lbs	Load Radius ft	360° lbs	Load Radius ft	360° lbs
41	5,000	55	3,300	62	2,600
47	4,700	59	3,200	68	2,600
52	4,400	64	3,100	73	2,500
60	4,000	70	2,900	79	2,400
66	3,700	76	2,800	84	2,400
71	3,500	81	2,700	88	2,300
77	3,300	86	2,600	93	2,300
84	2,900	93	2,300	99	2,200
91	2,300	99	1,900	105	1,900
100	1,800	106	1,500	110	1,500
109	1,400	112	1,200	116	1,200
116	900	119	900	122	900
122	600	126	500	127	500



ASME Standard
B 30.5

Boom

Travel Speed

Radius	Length	0 to 2.5 mph
ft	ft	lb
10	30	19,200
12	30	15,800
15	39	12,100
20	39	7,600
25	50	5,100
30	50	3,600
35	50	2,600
40	50	1,700

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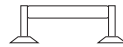
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LOAD CHARTS

T 340-1 XL



 1,850 lb

 100%

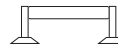
 360°

 33.75 to 105 ft


ASME Standard
B 30.5

	Boom Length (ft)							
	33.75	45	57	69	81	93	105	
ft	lb	lb	lb	lb	lb	lb	lb	ft
9	80,000							9
10	64,400	46,500						10
12	58,000	46,500	46,500					12
15	50,700	46,500	44,500	41,600				15
20	38,400	38,800	36,400	34,800	30,600			20
25	28,600	29,600	30,200	29,400	26,000	23,400		25
30		22,500	23,100	23,400	22,500	20,300	18,600	30
35		16,800	17,300	17,600	17,800	17,700	16,200	35
40		12,700	13,400	13,700	13,900	14,100	14,200	40
45			10,700	11,000	11,200	11,300	11,400	45
50			8,500	8,900	9,100	9,200	9,300	50
55				7,300	7,500	7,600	7,700	55
60				5,900	6,200	6,300	6,400	60
65					5,100	5,200	5,300	65
70					4,200	4,300	4,400	70
75					3,400	3,600	3,700	75
80						2,900	3,000	80
85						2,300	2,500	85
90							2,000	90
95							1,500	95
100							1,100	100



 1,850 lb

 0%

 360°

 33.75 to 105 ft

ASME Standard
B 30.5

	Boom Length (ft)							
	33.75	45	57	69	81	93	105	
ft	lb	lb	lb	lb	lb	lb	lb	ft
10	36,400	37,300						10
12	26,000	26,800	27,300					12
15	17,200	18,100	18,500	18,800				15
20	9,600	10,600	11,000	11,300	11,400			20
25	5,500	6,500	7,000	7,300	7,400	7,600		25
30		3,900	4,500	4,800	4,900	5,100	5,200	30
35		2,100	2,700	3,000	3,200	3,400	3,500	35
40		700	1,400	1,800	2,000	2,100	2,200	40
45					1,000	1,200	1,300	45

Notes to lifting capacity

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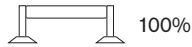
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LOAD CHARTS

T 340-1 XL



1,850 lb



100%



360°

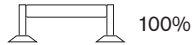
ASME Standard
B 30.5

32 ft Offset Jib

0°		15°		30°	
Load Radius ft	360° lbs	Load Radius ft	360° lbs	Load Radius ft	360° lbs
43	9,200	51	8,400	57	6,500
47	8,800	55	8,100	61	6,300
51	8,400	59	7,700	65	6,200
56	7,600	64	6,300	70	5,900
62	6,100	69	5,200	75	5,000
68	5,000	75	4,400	80	4,200
74	4,100	81	3,800	85	3,400
80	3,100	87	2,900	91	2,800
87	2,400	93	2,200	97	2,200
94	1,900	99	1,800	102	1,700
101	1,400	105	1,400	107	1,300
108	900	112	900	113	800



1,850 lb



100%



360°

ASME Standard
B 30.5

49 ft Offset Jib

0°		15°		30°	
Load Radius ft	360° lbs	Load Radius ft	360° lbs	Load Radius ft	360° lbs
47	5,000	57	3,300	66	2,600
52	4,700	63	3,200	71	2,600
58	4,400	69	3,100	76	2,500
65	4,000	76	2,900	82	2,400
72	3,700	83	2,800	89	2,400
79	3,500	89	2,700	95	2,300
86	3,300	95	2,600	101	2,300
93	2,600	102	2,400	107	2,200
101	2,000	108	1,900	113	1,700
108	1,500	114	1,400	119	1,200
115	1,100	120	1,000	125	900
122	700				



1,850 lb



Over Rear

ASME Standard
B 30.5

Boom

Travel Speed

Radius	Length ft	0 mph	Creep	2.5 mph
ft	ft	lb	lb	lb
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 to lifting capacity

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Hydraulics

	Triple pump:	
	Hoist pump	60.3 gal/min @ 3,500 psi
	Boom lift / telescope	45.1 gal/min @ 3,500 psi
	Outrigger / swing	22 gal/min @ 2,500 psi
	Single pump:	
	Power steering	8 gal/min @ 2,000 psi
	Full Flow with bypass protection:	
	Suction	250 micron screen
	Return	5 micron filter
	Pressurized Tank with Sight Level Gauge:	91 gal


Upper Operator Cab

	<p>Upper Cab</p> <ul style="list-style-type: none"> Sliding door on left side Sliding window on the right side Tilting, tinted glass skylight Removable front windshield Six-way adjustable seat with armrest dual-axis electro-proportional joysticks Joystick control for hoist(s), swing and boom elevation Foot pedals for swing brake, boom telescope and engine rpm Hand control for engine rpm
 	<p>Optional Features for Upper Cab</p> <ul style="list-style-type: none"> Air conditioning – hydraulically powered Heater and air conditioning package – hydraulically powered Liquid Propane (LP) Cab Heater Single-Axis armrest mounted controls Work Lights Upper cab remote carrier control AM/FM radio with cassette
	<p>Rated capacity indicator with pictograph display of boom radius, boom angle, boom length, allowable load, actual load and % of allowable load</p> <p>Settable alarms for swing angle, boom length, boom angle, tip height and work area exclusion zone</p>

Boom Controls












	Foot pedal actuated multi-disc brake and air actuated 360° house lock
	Hydraulic driven double planetary reduction gear drive 2.5 rev/min

Counterweight



	<p>Main counterweight with integrated hydraulic removal system is bolted to upper crane structure</p> <p>Hydraulic system allows weights to be removed and attached without additional lifting equipment for placement on carrier deck or dolly trailer</p>	15,000 lb standard counterweight package
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TECHNICAL DESCRIPTIONS


Hoists and Rope

	Two speeds First layer (no load speed) Fifth layer (no load speed)	Low Speed: 167 ft/min 242 ft/min	High Speed: 335 ft/min 487 ft/min
	First layer Fifth layer	Low Speed: 15,639 lb 10,827 lb	High Speed: 7,298 lb 5,052 lb
	Permissible line pull		9,000 lb
			6x19 IWRC XIPS
	Maximum useable		455 ft
	Rope diameter		0.625 in
	Two speeds First layer (no load speed) Fifth layer (no load speed)	Low Speed: 167 ft/min 242 ft/min	High Speed: 335 ft/min 487 ft/min
	First layer Fifth layer	Low Speed: 15,639 lb 10,827 lb	High Speed: 7,298 lb 5,052 lb
	Permissible line pull		9,000 lb
	Optional		Rotation resistant compacted strand 18x19
	Optional		.625 in

Engine and Transmission

	Standard Engine and Transmission		
	Cummins ISC 300 Turbocharged and Aftercooled Eaton Fuller		8.3 L / 300 hp 10 speed manual
	Optional Engine and Transmission		
	Detroit Diesel 60 Series Turbocharged and Aftercooled Allision automatic		14 L / 515 hp 7 speed with lock-up torque converter
	Fuel Capacity		60 gal
	Voltage		12 VDC
	Batteries		Three 2,400 CCA
	Alternator		130 amp






Lower Operator Cab

	Lower Cab	
	Hinged door on left side with roll-down window Sliding window on the right side Six-way adjustable seat with seatbelt Cruise control Two speed windshield wiper with washer OPTIONAL Jacobs engine brake	










TECHNICAL DESCRIPTIONS

T 340-1/T 340-1 XL

Chassis and Related Components

	Turn radius	34 ft turn radius to CL of tires
	Front axle – maximum capacity Tubular beam with equalizer air suspension mounting Rear axle – maximum capacity Interaxle differential with lock-out. Equalizer beam air suspension mounting	22,000 lb 45,000 lb
	Aluminium wheels with stainless hub covers Front Rear	445/65R22.5 – 20PR 11R22.5 – 14PR
	Theoretical maximum Manual transmission Automatic transmission	56 % 64 %
	Manual transmission Automatic transmission Axle drive system Air brakes with ABS	60 mph 60 mph 6x4 drive Air release / spring set

Boom and Components

	Full power extension via foot pedal control	Four Section
	Retracted boom length Extended boom length Maximum tip height	T340-1 30 ft 94 ft 99 ft T340-1 XL 33.75 ft 105 ft 110 ft
	Raised – maximum Lower – minimum	T340-1 +77° -4° T340-1 XL +88° -4°
Optional		
	32 ft Swing-On Jib – Fixed length – Can be offset to 0°, 15°, or 30° Maximum tip height with fixed jib	T340-1 129 ft T340-1 XL 140 ft
	32 ft to 49 ft Swing-On Jib – with 25 ft extension – Can be offset to 0°, 15°, or 30° Maximum tip height with extended jib	T340-1 29 ft T340-1 XL 158 ft
	3 or 4 metallic load sheaves Quick reeving design	
	Installs only on main boom head Compatible with extendable and fixed swing-on jibs	Single nylon sheave
	4 sheave Quick reeving design	40 T
	Top swivel ball with hook and latch	7 T

NOTES

NOTES

T340-1/T340-1 XL

www.terexcranes.com

Effective Date: October 2010. Product specifications and prices are subject to change without notice or obligation. The photographs and/or drawings in this document are for illustrative purposes only. Refer to the appropriate Operator's Manual for instructions on the proper use of this equipment. Failure to follow the appropriate Operator's Manual when using our equipment or to otherwise act irresponsibly may result in serious injury or death. The only warranty applicable to our equipment is the standard written warranty applicable to the particular product and sale and Terex makes no other warranty, express or implied. Products and services listed may be trademarks, service marks or trade-names of Terex Corporation and/or its subsidiaries in the USA and other countries. All rights are reserved. Terex is a registered trademark of Terex Corporation in the USA and many other countries. © 2010 Terex Corporation.

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TC-DS-I-E-T340-1/T340-1XL 10/10



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