



T 340-1

**40 USt Lifting Capacity
Truck Crane
Datasheet
Imperial**

T 340-1



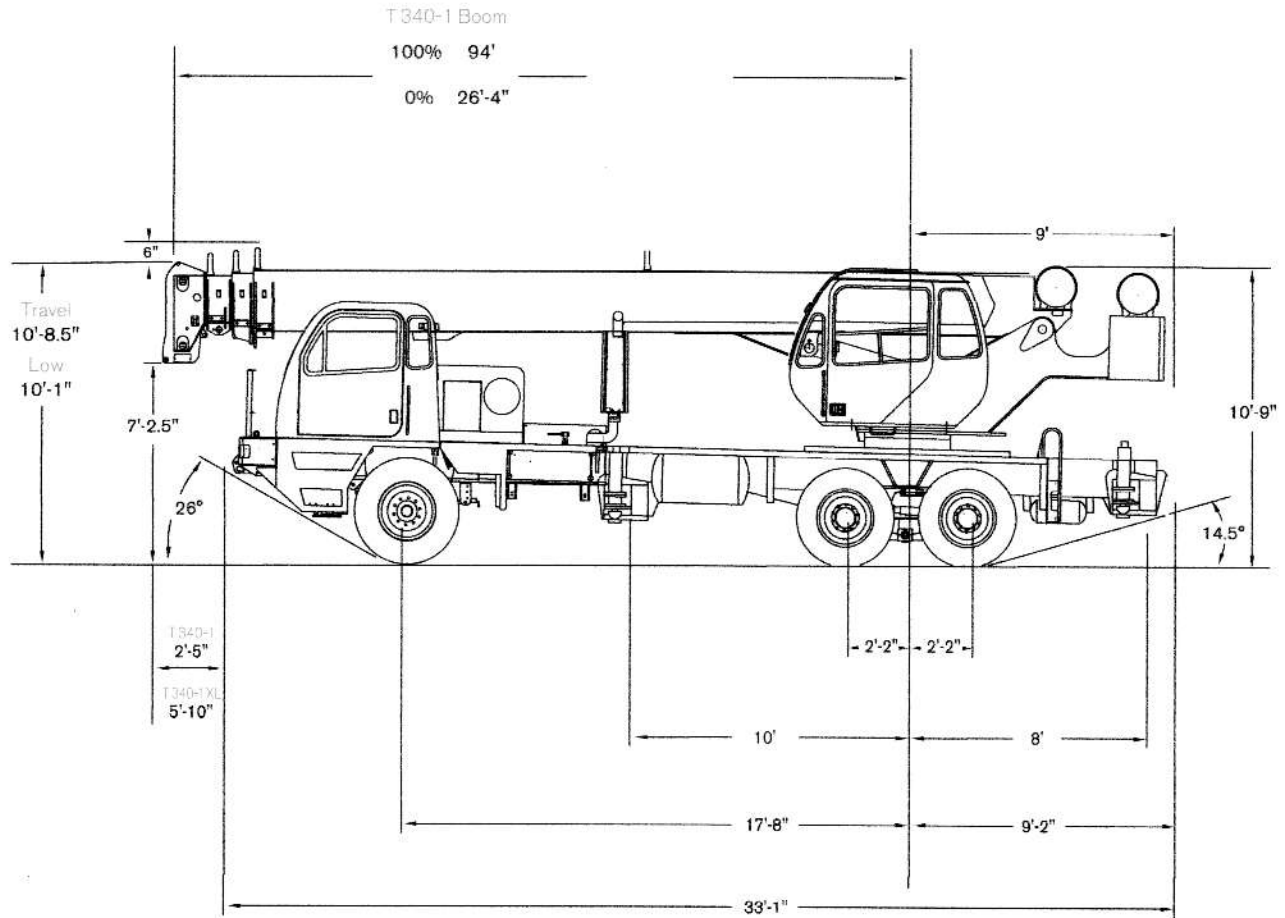
Features: T 340-1

- ▶ 40 USt maximum lifting capacity
- ▶ 94 ft maximum boom length
- ▶ 99 ft maximum tip height
- ▶ Engine power 300 hp
- ▶ Travel speeds up to 60 mph

WORKS FOR YOU.™

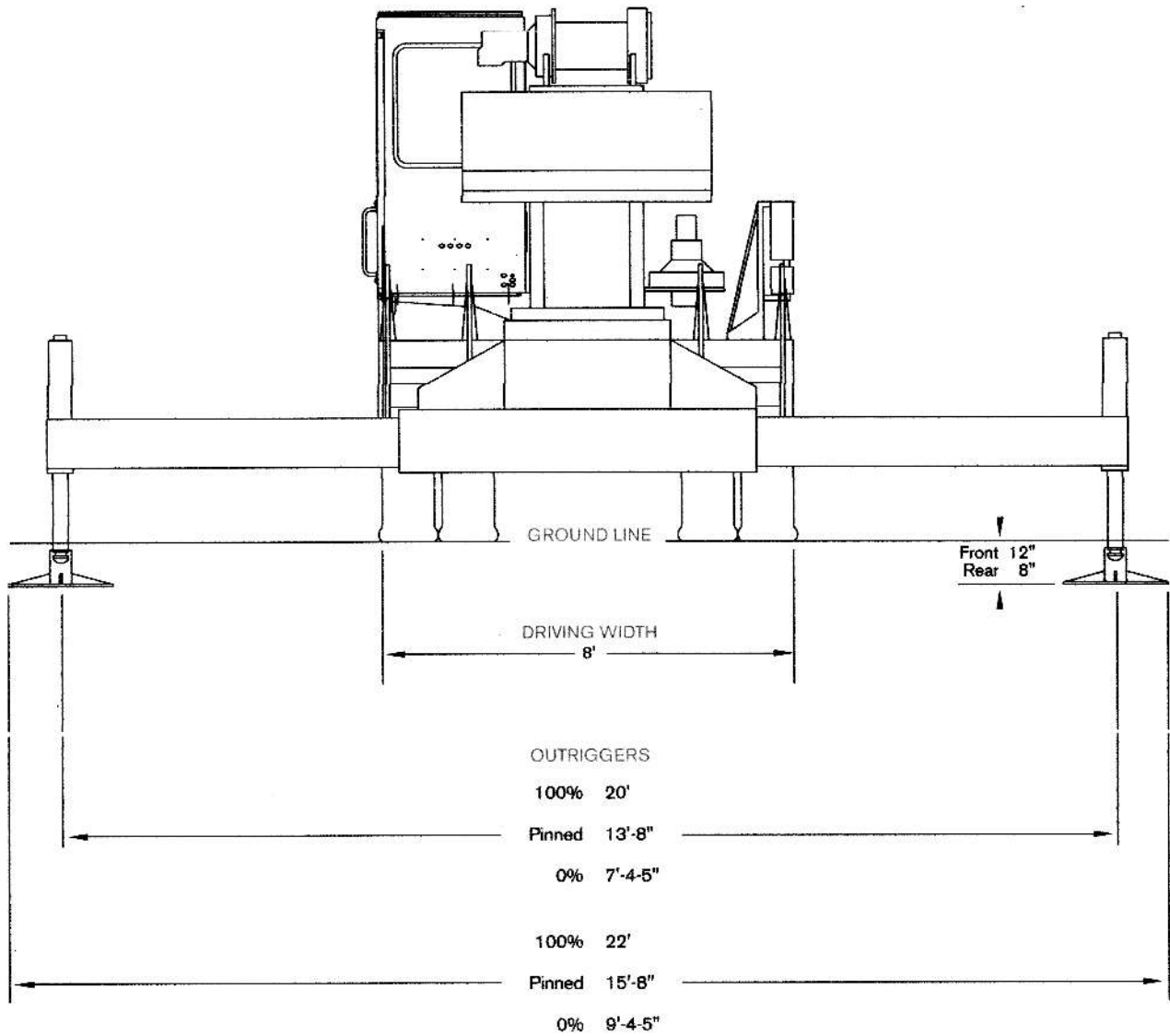
CRANE DIMENSIONS

T 340-1



CRANE DIMENSIONS















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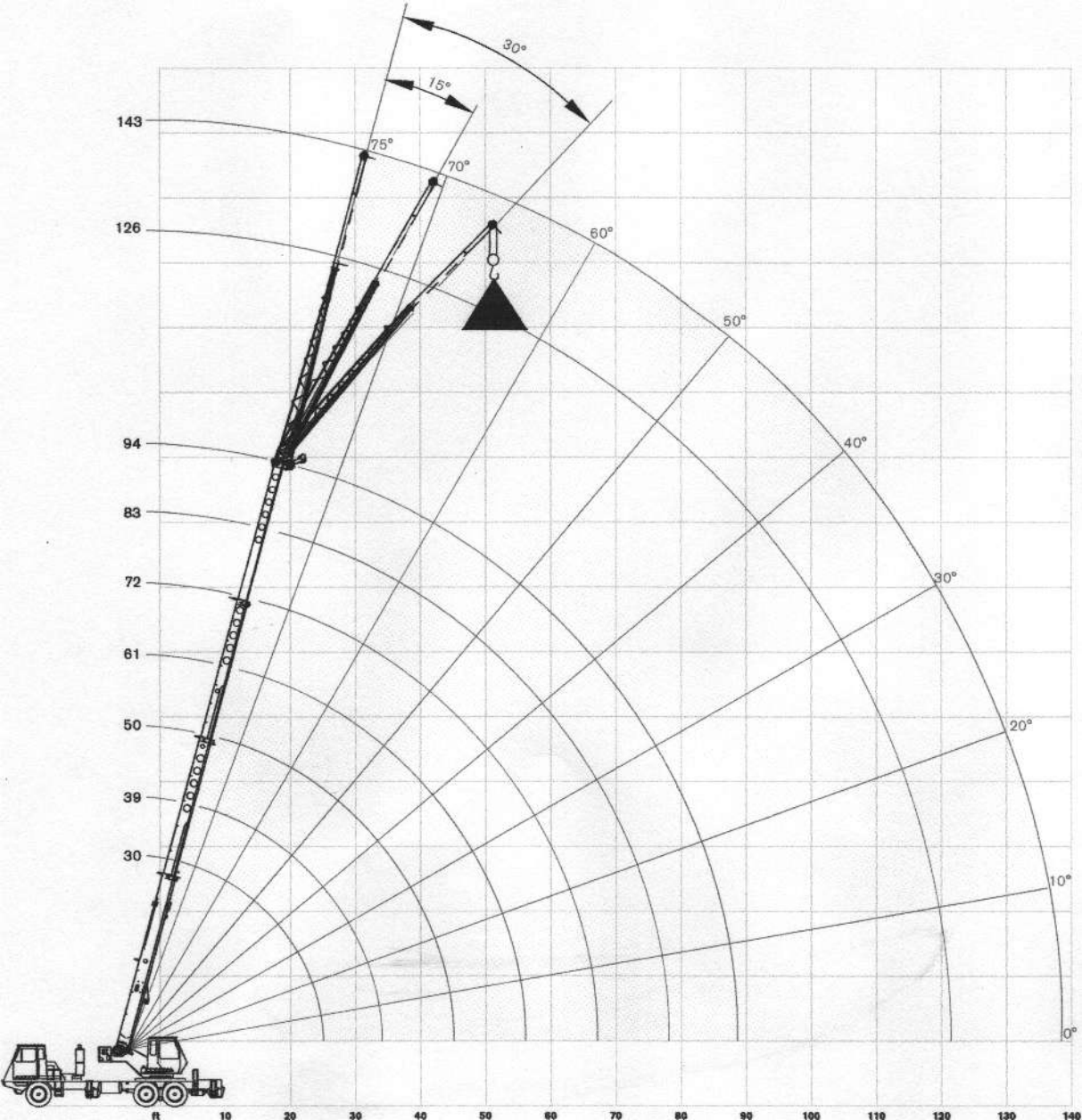
SPECIFICATIONS

T 340-1

Approximate Crane Weights

Boom in front travel position		 Gross Vehicle	 Front max. 22,000 lb	 Rear max. 45,000 lb
Configurations:	T 340-1 1/4 tank fuel 200 lb operator seated in cab Front tires: 425/65 R22.5-20PR Rear tires: 11R22-14PR 94 ft boom/no jib 2,000 lb total counterweight	47,101	16,575	30,525
Add options				
	Full tank of fuel	+ 315	+ 120	+ 195
	Heater/defroster in upper cab	+ 60	- 5	+ 65
	Auxiliary hoist with drum roller and wire rope	+ 175	- 73	+ 248
	Electric remote control	+ 200	+ 100	+ 100
	32 ft swing-on jib - 94' boom	+ 1,368	+ 797	+ 571
	32 ft to 49 ft extendable swing-on jib - 94' boom	+ 1,789	+ 1,007	+ 785
	Auxiliary boom head - 94' boom	+ 100	+ 154	- 54
	40 USt hook block on bumper	+ 690	+ 973	- 283
	7 USt hook and ball at bottom rack	+ 240	+ 145	+ 95
Substitute options				
	7,200 lb counterweight with 1,850 lb front bumper counterweight - 94' boom	+ 6,636	- 619	+ 7,255
	Spin resistant wire rope (per winch)	+ 32	- 12	+ 44

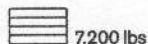




LOAD CHART - MAIN BOOM

T 340-1

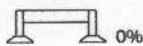
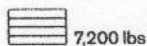
Outriggers Fully Extended (100%)



Standard ASME
B30.5

		Boom Length (ft)							
		30	39	50	61	72	83		
ft	lb	lb	lb	lb	lb	lb	lb	lb	ft
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	12,400	11,400		40
45			9,200	9,600	9,800	9,900	10,000		45
50				7,700	7,900	8,100	8,200		50
55				6,300	6,500	6,600	6,700		55
60					5,300	5,500	5,600		60
65					4,400	4,500	4,600		65
70						3,700	3,900		70
75						3,100	3,200		75
80							2,600		80
85							2,100		85

Outriggers Fully Retracted (0%)



Standard ASME
B30.5

		Boom Length (ft)							
		30	39	50	61	72	83		
ft	lb	lb	lb	lb	lb	lb	lb	lb	ft
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

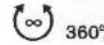
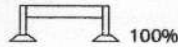
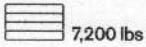
Lifting capacities do not exceed 85% of tipping load. Weight of hook blocks and slings is part of the load, and is to be deducted from the capacity ratings. Consult operation manual for further details.

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 CHART - MAIN BOOM

T 340-1

With Offset Jibs

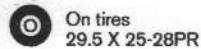
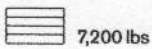


Standard ASME B30.5

32 ft Offsettable Jib					
0° Offset		15° Offset		30° Offset	
ft	lb	ft	lb	ft	lb
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	4,800	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

49 ft Offsettable Jib					
0° Offset		15° Offset		30° Offset	
ft	lb	ft	lb	ft	lb
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

On Tires



Standard ASME B30.5

Boom		Travel Speed: Boom straight over rear		
ft	ft	0 mph	Creep	2.5 mph
		lb	lb	lb
10	30	19,200	19,200	19,200
12	30	15,800	15,800	15,800
15	39	12,100	12,100	12,100
20	39	7,600	7,600	7,600
25	50	5,100	5,100	5,100
30	50	3,600	3,600	3,600
35	50	2,600	2,600	2,600
40	50	1,700	1,700	1,700











Notes to lifting capacity

Lifting capacities do not exceed 85% of tipping load, (75% of tipping load on tires). 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.






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TECHNICAL DESCRIPTION

Boom

		Standard configuration:	
	Full power extension via foot pedal control		4 sections
	Minimum / Maximum	T 340-1	30 ft / 94 ft
	Maximum tip height	T 340-1	99 ft
	Boom elevation angle range (min. / max.)	T 340-1	-4° / 77°
		Optional configuration:	
	32 ft swing-on jib, fixed length		
	Angular offsets Maximum tip height with fixed jib	T 340-1	0°, 15°, 30° 129 ft
	32-49 ft swing-on jib with 25 ft extension		
	Angular offsets Maximum tip height with extended jib	T 340-1	0°, 15°, 30° 147 ft
	3 or 4 metallic load sheaves Quick reeving design		
	Single nylon sheave Installs only on main boom head, compatible with extendable and fixed swing-on jibs		
	4 sheave Quick reeving design		40 USL
	Top swivel ball with hook and latch		7 USL

Hoist, Rope and Hook

		Standard configuration:	
	Two speed ratios		
	1st layer without load (low range / high range) 5th layer without load (low range / high range)		167 ft/min / 335 ft/min 242 ft/min / 487 ft/min
	Maximum line pull		
	1st layer (low speed/ high speed) 5th layer (low speed/ high speed)		15,639 lb / 7,298 lb 10,827 lb / 5,052 lb
	Permissible line pull		9,000 lb
	6x19 IWRC XIPS		
	Rope diameter		5/8 in
	Maximum usable		455 ft

TECHNICAL DESCRIPTION

Hoist, Rope and Hook

Optional configuration:



Two speed ratios

1st layer without load (low range / high range)
5th layer without load (low range / high range)

167 ft/min / 335 ft/min
242 ft/min / 487 ft/min



Maximum line pull

1st layer (low speed/ high speed)
5th layer (low speed/ high speed)
Permissible line pull

15,639 lb / 7,298 lb
10,827 lb / 5,052 lb
9,000 lb



Rotation resistant compacted strand 18 x 19



Rope diameter

5/8 in

Cab, Controls, Operator aids and Load limiter / Load indicator

Standard configuration:



Upper cab:

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

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



Rated capacity indicator with pictograph display of boom radius, boom angle, boom length, allowable load, actual load and % of allowable load

Settable alarms for swing angle, boom length, boom angle, tip height and work area exclusion zone

Optional configuration:



Upper cab:

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

Lower cab:

Jacobs engine brake

TECHNICAL DESCRIPTION

Superstructure

Standard configuration:



Foot pedal actuated multi-disc brake and air actuated house lock

360°



Hydraulic driven double planetary reduction gear drive

2.5 rpm

Counterweight



Three counterweight packages available

2,000 / 7,200 / 11,000 lbs

Tires

Standard configuration:



Aluminium wheels with stainless hub covers

Front Tires

Rear Tires

445/65 R22.5-20PR

11 R22-14PR

Vehicle performance

Standard configuration:



Theoretical maximum

Manual transmission

Automatic transmission

56%

64%



Manual transmission

Automatic transmission

60 mph

60 mph

Hydraulic system

Standard configuration:



Triple Pumps:

Hoist pump

Boom lift / telescope

Outriggers / swing

60.3 gal/min @ 3,500 psi

45.1 gal/min @ 3,500 psi

22 gal/min @ 2,500 psi

Single pump:

Power Steering

8 gal/min @ 2,000 psi

Full Flow with bypass protection:

Suction

Return

52.7 gal/min @ 4,500 psi

250 micron screen

5 micron filter

Pressurized tank with sight level gauge

91 gal



TEREX®

TECHNICAL DESCRIPTION

Carrier, Engine and Drive-line

Standard configuration:



Turn radius to centerline of tires

34 ft



Axle drive system
Air brakes with ABS, Air release / spring set

6 x 4 drive



Engine and transmission, EPA 2010 compliant
Cummins ISC
Intake: Turbocharger with intercooler
Rated power
Eaton Fuller 10-speed manual transmission
Fuel type: Diesel

8.3 L / 300 hp @ 2,000 rpm

Fuel tank capacity

60 gallon



Voltage
2 Batteries
Alternator

12 VDC
1,000 CCA each
130 amp

Optional configuration:



Engine and transmission, EPA 2010 compliant
Cummins ISC
Intake: Turbocharger with intercooler
Rated power
Allison 7-speed automatic transmission with lock-up torque converter
Fuel type: Diesel

8.3 L / 300 hp @ 2,000 rpm



Engine and transmission, Non-EPA 2010 compliant
Cummins QSC
Intake: Turbocharger with intercooler
Rated power
Eaton Fuller 10-speed manual transmission
Fuel type: Diesel

8.3 L / 275 hp @ 2,200 rpm