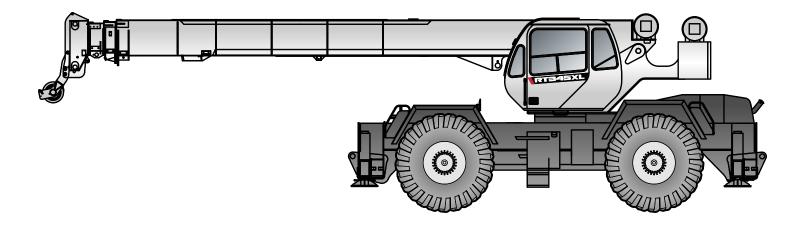


Rough Terrain Crane 45 US ton Lifting Capacity



IMPERIAL





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RT345

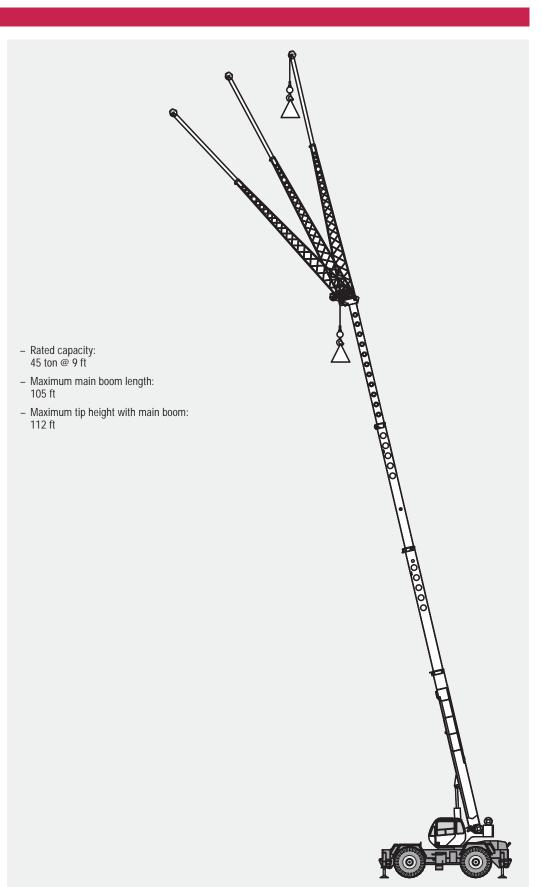




KEY			
	Counterweight		General performance
	Main boom	ALLE TO SERVICE AND ADDRESS OF THE PERSON OF	Telescoping mode
	Boom length		Boom elevation angle
/	Tip height		Working radius
	Boom with extension		Max. boom length with extension
	Main boom with aux head		Distance from the hook to the head sheave axle
(+)	Slewing / Allowable slewing range	(+) <u>1</u>	Slewing locked / Slewing locked at specified position
(+)	Slewing brake	+	Slewing gears
	Outriggers / Lifting on outriggers (100/50/0% extended)		Lifting on wheels / Pick & Carry
1	Main winch	2	Auxiliary winch
	Winch speed		Rope length
	Rope – Standard / Optional	+	Max. line pull
	Rope diameter	0	Tires
	Hook block		Controls
	Cab		Engine
	Load limiter / Load indicator		Steering
(Ó)(Ó)	Mechanical transmission		Speed
HYDR	Hydraulics	<u> </u>	Heating / Air conditioning
	Working temperature		Gradeability
	Lights	GVW	Gross vehicle weight
	Crane / Crane in standard configuration		Weight on front axle
	Crane without counterweight		Weight on rear axle



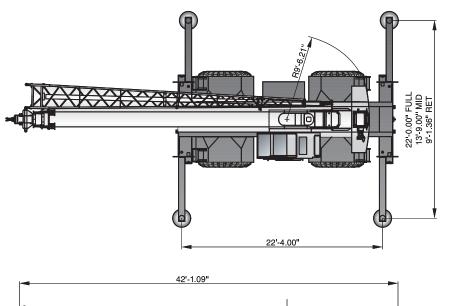
HIGHLIGHTS

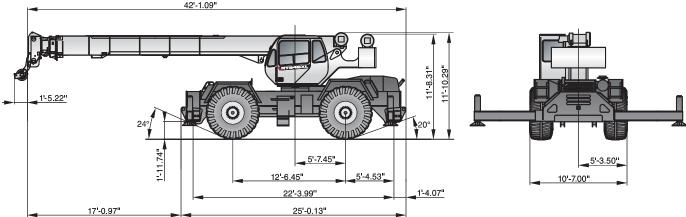




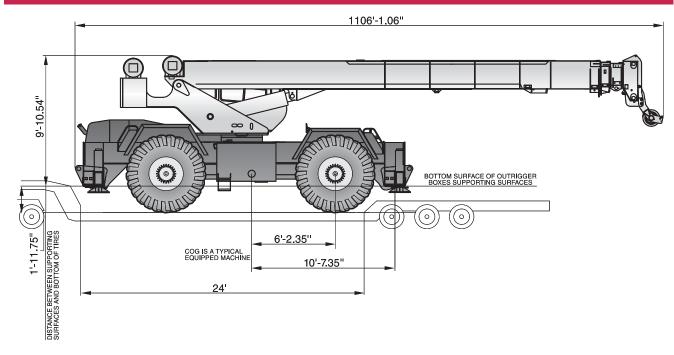


CRANE DIMENSIONS





TRANSPORT DIMENSIONS





CRANE WEIGHTS GVW 67915 lb 34557 lb 33418 lb Add / Subtract for main optional equipment 32 ft +1969 lb -601 lb -251 lb Stowed aside the boom 32-49 ft +2575 lb -78 lb +446 lb Stowed aside the boom +100 lb + 170 lb -70 lb 2 With standard rope +179 lb -50 lb + 129 lb +790 lb 5 sheaves, 55 ton + 1169 lb -379 lb 4 sheaves, 40 ton +690 lb + 1017 lb -327 lb 3 sheaves, 30 ton +670 lb +987 lb -317 lb Hook ball, 7 ton + 240 lb +261 lb -21 lb

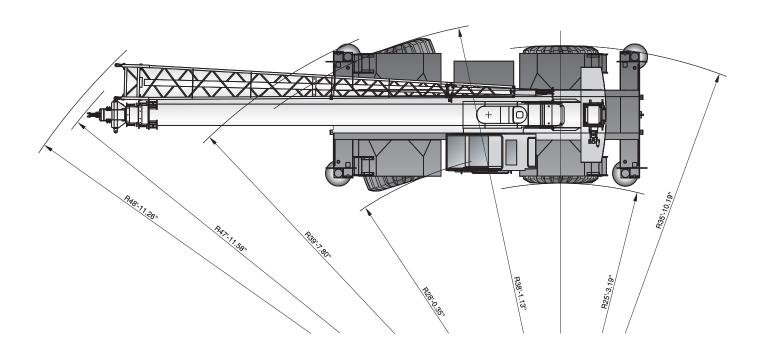
Weights are for Terex supplied equipment and are subject to 2% variation due to manufacturing tolerances



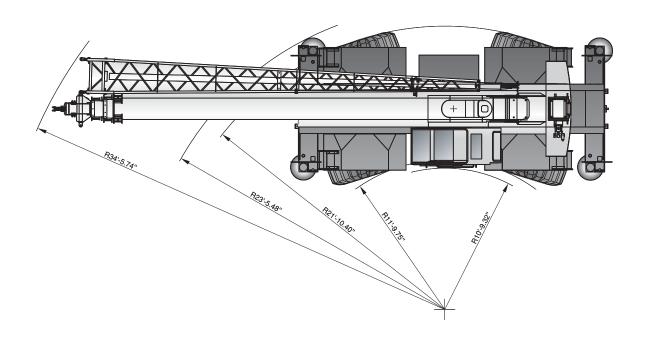


STEERING DIMENSIONS

TWO WHEEL STEER



FOUR WHEEL STEER

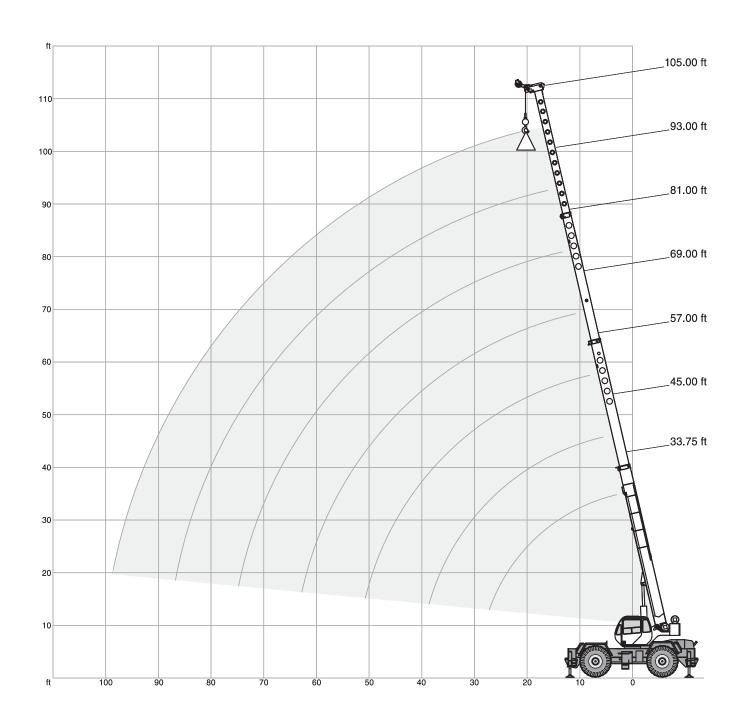






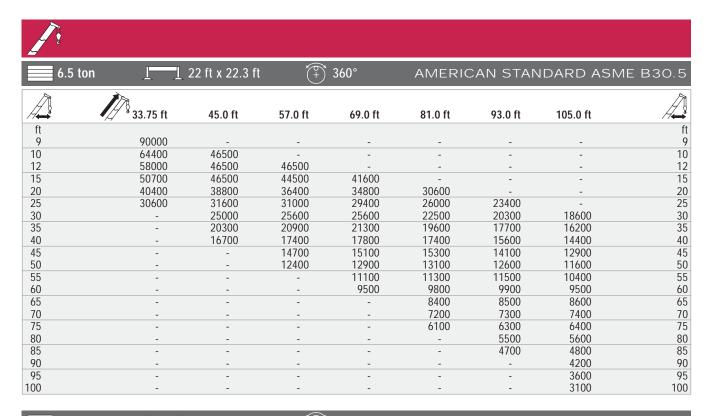


with hook ball: 2.75 ft with hook block: 6.0 ft









6.5 to	n 🗀	22 ft x 13.8 ft	(+)	360°	AMERIC	CAN STAN	IDARD ASI	ME B30.5
A	33.75 ft	45.0 ft	57.0 ft	69.0 ft	81.0 ft	93.0 ft	105.0 ft	
ft								ft
9	80000	-	-	-	-	-	-	9
10	64400	46500	-	-	-	-	-	10
12	58000	46500	46500	-	-	-	-	12
15	50700	46500	44500	41600	-	-	-	15
20	36600	37500	36400	34800	30600	-	-	20
25	23700	24700	25200	25500	25700	23400	-	25
30	-	17700	18200	18400	18600	18800	18600	30
35	-	13100	13700	14000	14200	14300	14400	35
40	-	9800	10600	10900	11100	11200	11300	40
45	-	-	8200	8600	8800	8900	9000	45
50	-	-	6400	6900	7100	7200	7300	50
55	-	-	-	5400	5700	5800	5900	55
60	-	-	-	4300	4600	4700	4800	60
65	-	-	-	-	3600	3800	3900	65
70	-	-	-	-	2800	3000	3100	70 75
75	-	-	-	-	2100	2300	2500	75
80	-	-	-	-	-	1800	1900	80
85	-	-	-	-	-	1200	1400	85
90	-	-	-	-	-	-	-	90

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.

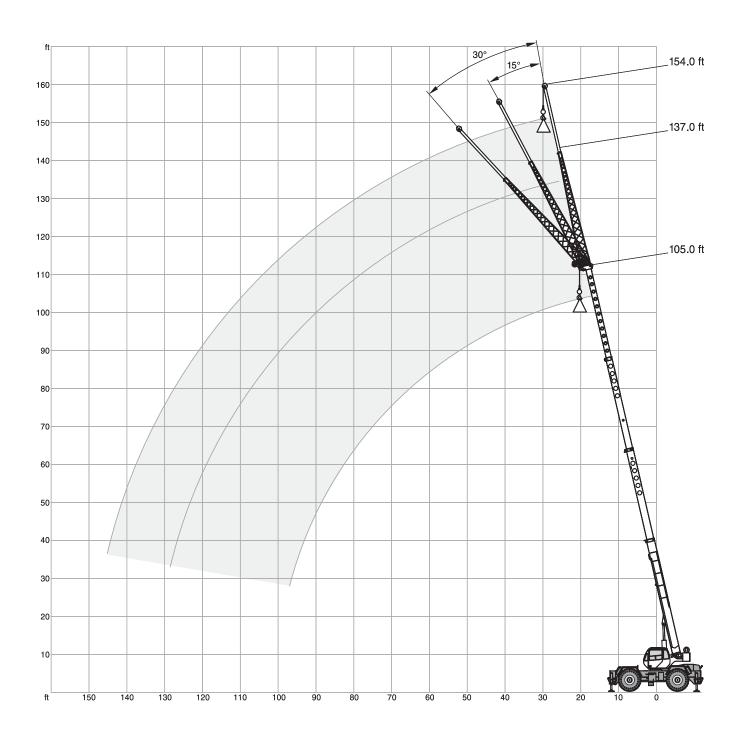
7T345xL 9







with hook ball: 2.75 ft with hook block: 6.0 ft







6.5 ton	Ţ		2 ft x 22.3	ft	(+) 360°	AM	ERICAN	N STANDARD ASME B30.5
105 ft								
M	A		32 ft			49 ft		
A		°	15°	30°		15°	30°	7
ft	П							ft
50		8693	_	-	_	-	_	50
55		8005	-	-	-	-	-	55
60		7563	7991	-	-	-	-	60
65		7144	7420	6254	4908	3147	2514	65
70		6734	7070	6101	4176	3027	2460	70
75		6343	6772	5896	3859	2916	2409	75
80		5716	6493	5638	3636	2812	2360	80
85		5101	5840	5328	3448	2716	2314	85
90		4499	5054	4967	3277	2628	2269	90
95		3910	4328	4393	3077	2547	2226	95
100		3334	3661	3745	2974	2451	2185	100
105		2770	3052	3133	2843	2448	2145	105
110		2219	2499	2557	2684	2404	2087	110
115		1680	2003	2016	2497	2320	2140	115
120		1153	1563	1510	2282	2195	2102	120
125		639	1178	-	2041	2032	1972	125
130		-	-	-	1773	1828	1752	130
135		-	-	-	1478	1586	1444	135
140		-	-	-	1157	1304	-	140

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6.5 ton

AMERICAN STANDARD ASME B30.5

M			mph)		
/ 	0	creep	2.5		
, , , ,	360°	straight o	∕ 🛚	max.	
ft				ft	
10	34200	48600	40600	33.8	
12	34300	42100	33300	33.8	
15	21300	34800	28700	45.0	
20	13100	26400	21500	45.0	
25	8300	20300	16500	45.0	
30	5700	14600	12900	45.0	
35	4100	11200	10700	57.0	
40	3000	8700	8700	57.0	
45	2200	7000	7000	57.0	
50	1500	5700	5700	69.0	
55	-	4600	4600	69.0	
60	-	3800	3800	81.0	
65	-	2900	2900	81.0	
70	-	2100	2100	81.0	
75	-	1300	1300	93.0	

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.

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RT345x





TECHN	IICAL DESCRIPTION	
воом		
	Standard configuration:	
4 9	4 sections full power	
	Fully synchronized	
	Min. / Max.	33.8 ft / 105 ft
/	Max. tip height main boom	112 ft
	Boom elevation angle range (min. / max.) Boom raising / lowering time Boom extension / retraction time	-4° / +77° 39 s / 39 s 51 s / 47 s
// _	Optional:	
	Lattice type, side stow, pullout retracted / extended Angular offsets	32 ft / 49 ft 0° / 15° / 30°
	Max. with jib swung-on and pullout retracted/extended	137 ft / 154 ft
1	Max. with jib swung-on, pullout retracted / extended	143 ft / 159 ft
	Single sheave Maximum tip height	112 ft
	Lattice type, side stow Angular offsets	32 ft 0° / 15° / 30°
	Max. with jib swung-on	137 ft
1	Max. with jib swung-on	143 ft
WINCH	, ROPE AND HOOK	
1	Two speeds (Hi / Low range) Standard configuration:	
V V	Grooved drum Storage capacity	570 ft
(A)	Maximum without load – Hi-range in 5th layer –	533 ft / min
AT.	Minimum without load – Hi-range in 1st layer –	184 ft / min
	6 x 19 IWRC IPS	
		0.625 in
		450 ft
← ISSSESS →	Min. breaking strength Max. line pull permissible	17.9 ton 9080 lb



TECHN	IICAL DESCRIPTION	
2	Optional: Two speeds Grooved drum	
	Storage capacity Storage capacity of usable rope	570 ft 455 ft
(A)	Maximum without load – Hi-range in 5th layer –	533 ft / min
AL.	Minimum without load – Hi-range in 1st layer –	184 ft / min
	Hook ball with latch: rated load 4 sheaves: rated load 4 sheaves: rated load 4 sheaves: rated load	7 ton 30 ton 40 ton 50 ton
	5/8 in, rotational resistant compacted strand 18 x 19 or 19 x 19	
		0.625 in
		450 ft
←	Min. breaking strength Max. line pull permissible	22.7 ton 9080 lb
UPPER	STRUCTURE	
	Standard configuration: Weight without auxiliary winch	6.5 ton
+	Non stop Maximum speed without load	360° 2.8 rpm
+	Hydraulic motor Planetary reducer	
(+)	Foot pedal actuated Possibility to set up a partial and constant braking force	
CAB, C	CONTROLS AND SAFETY DEVICES	
	Sliding door on the left side Sliding window on the right side Tilting skylight glass hinged tinted Removable front windshield Six ways adjustable seat	
	Armrest mounted dual axis electro-proportional joysticks Controls for winch and winch rotation indicator, slewing, boom elevation Foot controls for boom telescoping, swing brake and engine throttle Steering wheel column mounted controls for gear shifting Dashboard mounted switches for steering mode, outriggers, 360° house lock end general instrumentation and other controls	
	Electronic load indicator and limiter with graphic interface	
<u> </u>	Hydraulic driven heater and defroster	
<u> </u>	Optional: Hydraulic driven heater / AC and defroster LP heater	





TECHNICAL DESCRIPTION

UNDERSTRUCTURE, ENGINE, DRIVE-LINE AND HYDRAULIC

П

Standard configuration:

Hydraulic independent: 100 % extended outrigger footprint area 50 % extended outrigger footprint area 0 % extended outrigger footprint area Floating ground bearings diameters (area) Single outrigger jack extending and retracting time

Single outrigger beam extending and retracting time

347 ft² 204 ft² 18 in (254 in²) 8 s 9 s



Cummins QSB-215 6 cylinders

Rated power Maximum gross torque

540 ft·lb @ 1400 rpm

Intake: turbocharged with intercooler Fuel type

Diesel

12 ft

160 HP @ 2200 rpm

491 ft²



50 gallons



6 x 6 powershift with torque converter

4WD if traveling in Lo-range Rigid mounted front axle

Oscillating mounted rear axle Automatic rear axles oscillation lock when superstructure is swung by 10° from centerline in either directions

Split air over hydraulic service brakes system



3 modes hydraulic power steering

Front wheels mode – minimum steering curb clearance radius

All wheels concentric steering mode - minimum steering curb clearance radius 25 ft

All wheels crab steering mode



Gear pump for main and auxiliary winch

Gear pump for boom hoisting and telescoping

Gear pump for steering, outriggers and slewing

114 gallons Hydraulic oil tank capacity Hydraulic oil filters 25 µm



Old environment kit

Optional:



4 steering modes: front wheels, rear wheels, all wheels concentric, all wheels crab

VEHICLE PERFORMANCES



Max. in 1st gear Max. in 6th gear

Standard configuration:

240 % 5.2 %



Max. (6th gear)

24.5 mph



Min. / Max. – standard configuration Min. / Max. - with cold environment kit -20° / +125 °F -40° / +125 °F

TIRES



Standard configuration:

Wide earth moving style thread (E3)

26.5 x 25-26 PR

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Wide earth moving style thread (E3)

Optional:

21.00 x 25-28 PR

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Brochure Reference: TC-DS-I-E-RT345XL-02.10