

**Features:**

- ▶ Rated capacity:  
130 USt @ 10 ft working radius
- ▶ Maximum boom length:  
155 ft
- ▶ Maximum tip height:  
164 ft

**WORKS FOR YOU.™**

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## Technical description

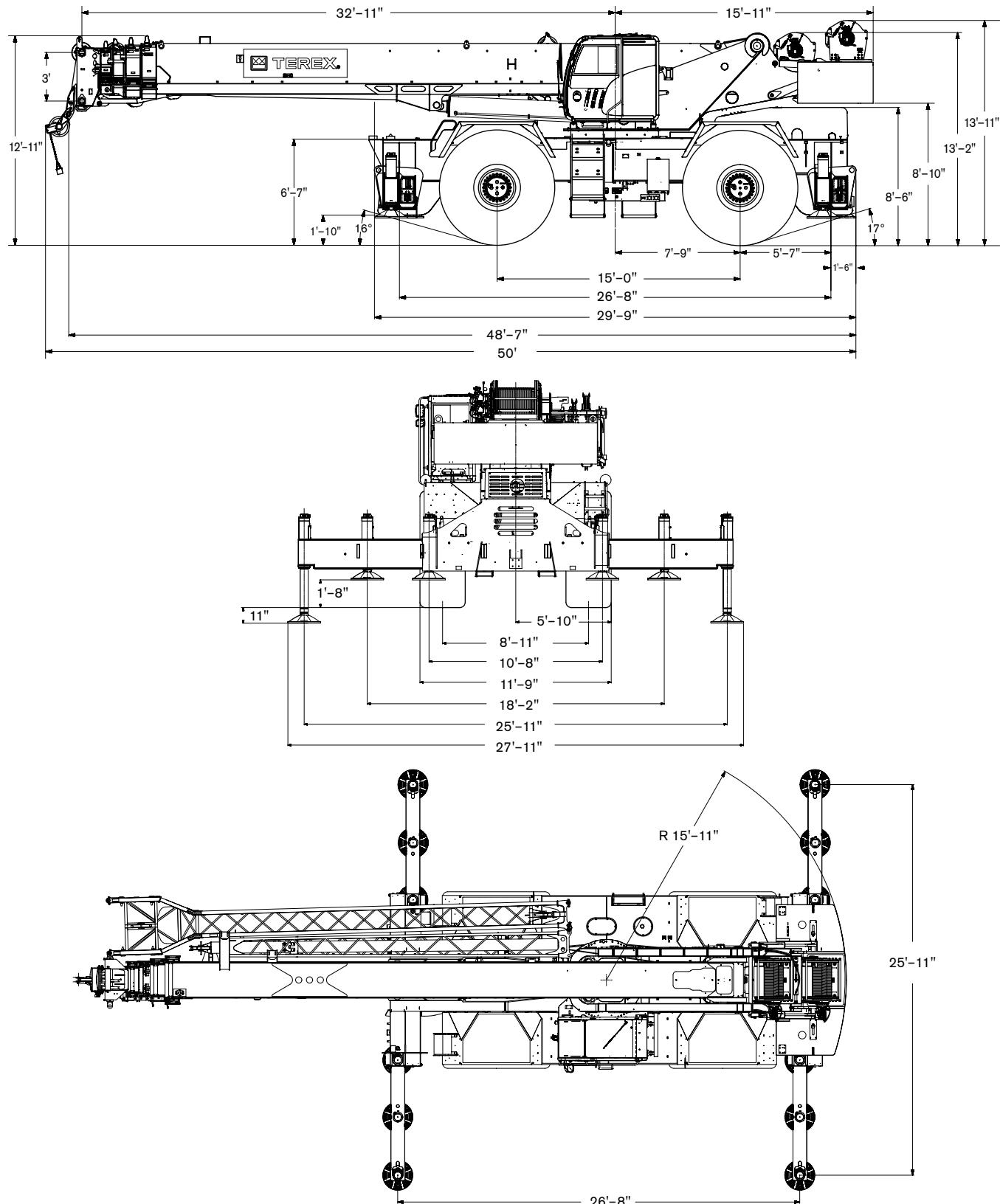
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	Counterweight		General performance
	Main boom		Telescoping mode
	Boom length		Working radius
	Tip height		Max. boom length with extension
	Boom with extension		Distance from the hook to the head sheave pin
	Main boom with aux head		Hook ball
	Slewing / Allowable slewing range		Slewing locked/Slewing locked at specified position
	Slewing brake		Slewing gears
	Outriggers / Lifting on outriggers (100/50/0% extended)		Lifting on wheels/Pick & Carry
	Main hoist		Auxiliary hoist
	Hoist speed		Rope length
	Rope – Standard / Optional		Max. line pull
	Rope diameter		Tire
	Hook block		Controls
	Cab		Engine
	Operator aids / Load limiter / Load indicator		Steering
	Mechanical transmission		Speed
	Hydraulics		Heating / Air conditioning
	Working temperature		Gradeability
	Lights		Gross vehicle weight
	Crane / Crane in standard configuration		Weight on front axle
	Crane without counterweight		Weight on rear axle

# CRANE DIMENSIONS

RT130

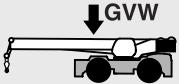
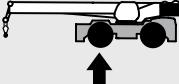
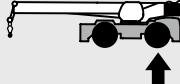


**TEREX**®

# CRANE WEIGHTS

RT130

## Approximate Weights

		GVW		
				
				
<b>Add / Subtract for main crane configuration</b>				
	Without counterweights	108,052 lb	75,589 lb	32,463 lb
	In standard configuration	134,212 lb	57,911 lb	76,301 lb
<b>Add / Subtract for main crane configuration</b>				
	Stowed aside the boom	+ 3,560 lb	+ 5,790 lb	- 2,230 lb
	Auxiliary boom head	+ 208 lb	+ 575 lb	- 367 lb
	Optional	+ 221 lb	- 50 lb	+ 271 lb
	With standard rope	+ 659 lb	- 253 lb	+ 912 lb
	With optional rope	+ 880 lb	- 350 lb	+ 1,230 lb
	7 sheaves, 130 USt hanging down from boom head	+ 2,310 lb	+ 3,889 lb	- 1,579 lb
	7 sheaves, 100 USt hanging down from boom head	+ 2,120 lb	+ 3,569 lb	- 1,449 lb
	5 sheaves, 75 USt hanging down from boom head	+ 1,568 lb	+ 2,639 lb	- 1,071 lb
	Hook ball, 12 USt (in tool box)	+ 722 lb	+ 763 lb	- 41 lb

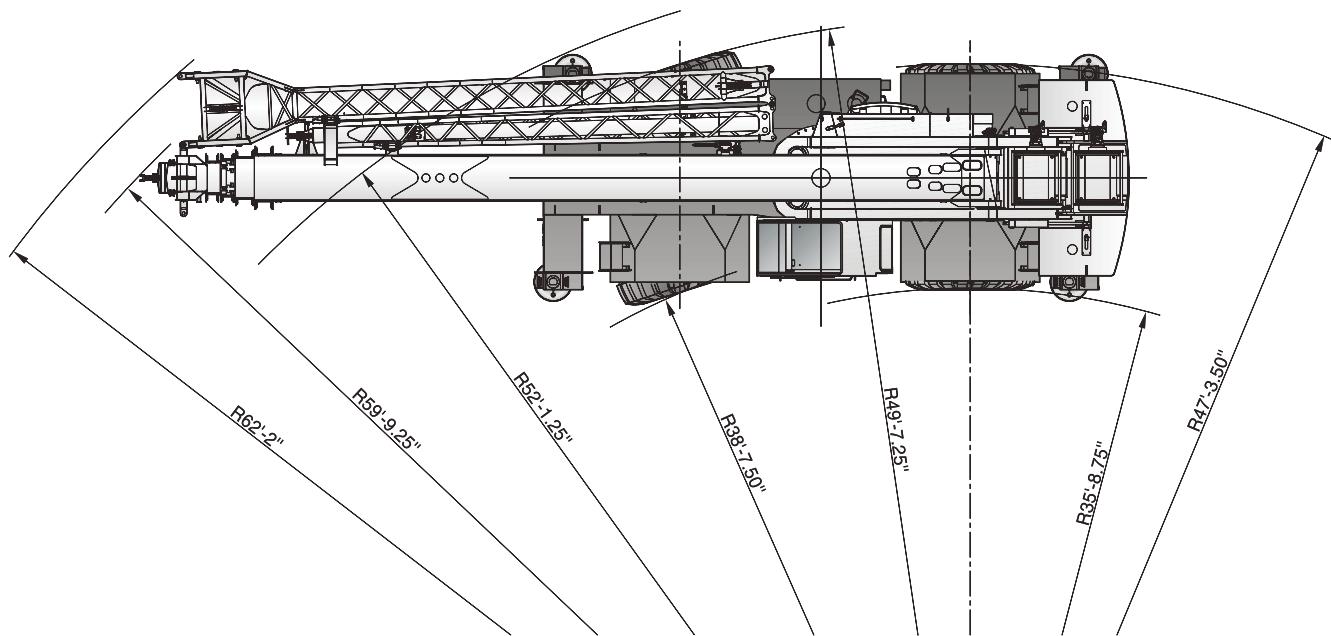
NOTE: Values are subject to 2% variation

For complete list of adds and subtracts refer to user manual.

# STEERING RADII

RT130

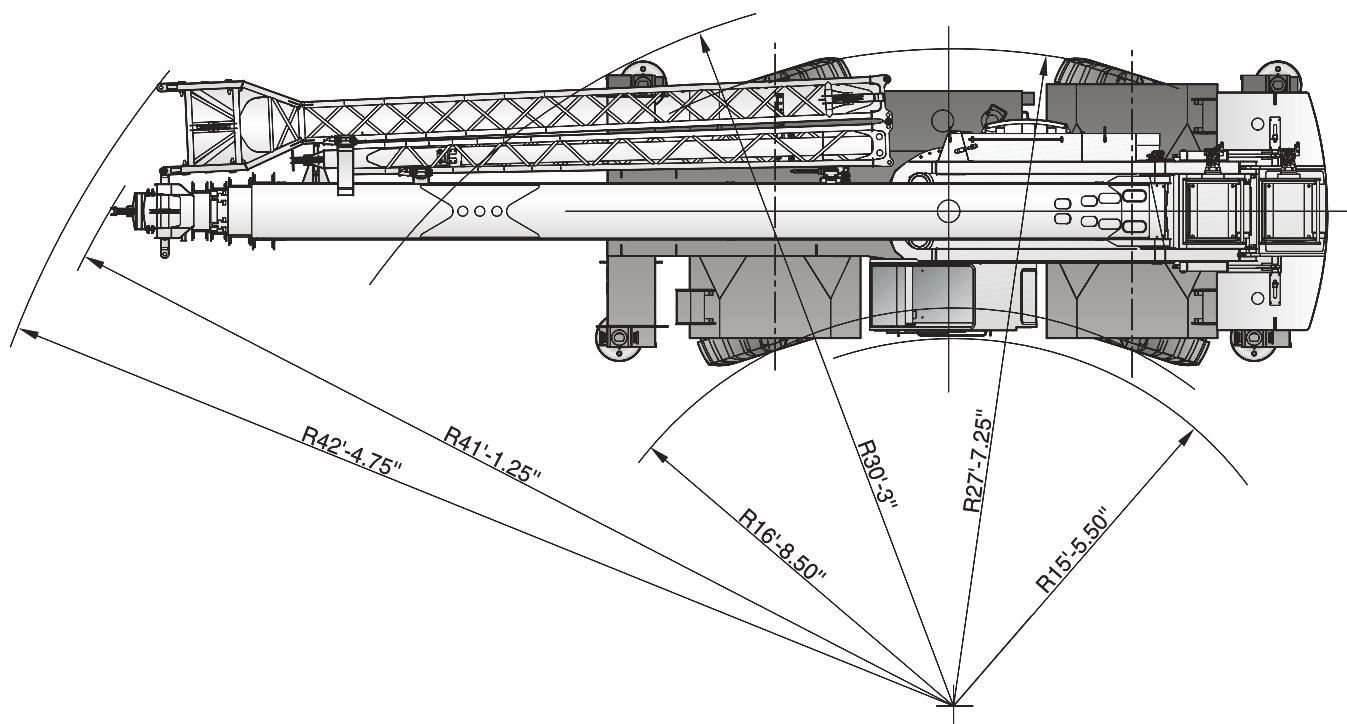
## Two Wheel Steer



# STEERING RADII

RT130

## Four Wheel Steer

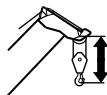


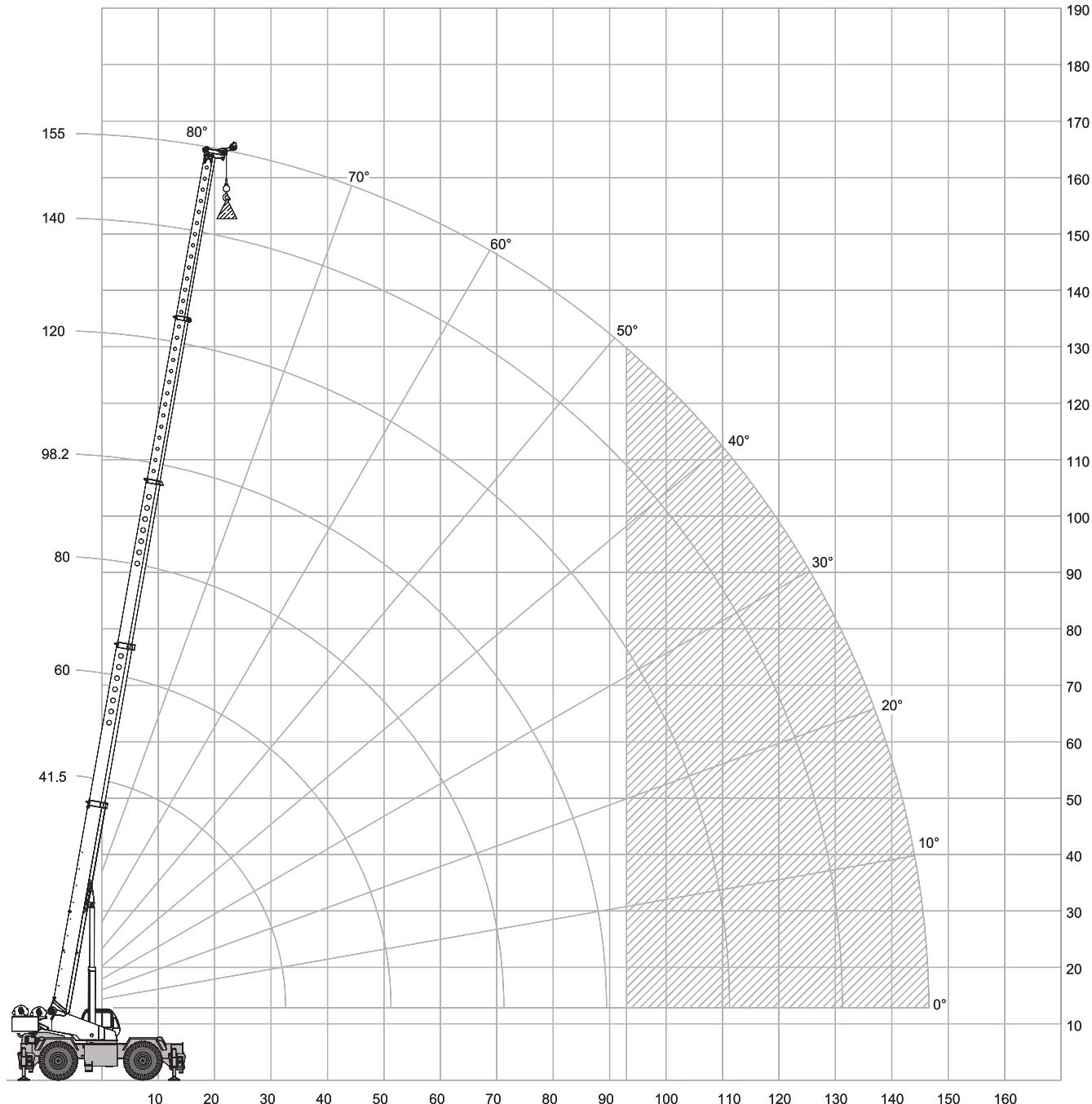
# RANGE DIAGRAM - MAIN BOOM

RT130

Outriggers Fully Extended (100%), Dual Mode



 with hook ball: 7.5 ft  
with hook block: 10 ft



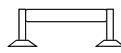
**TEREX**®

# LOAD CHART - MAIN BOOM

RT130

Outriggers Fully Extended (100%), Dual Mode

 29,600 lbs counterweight

 Outriggers extended 26 ft (100%)

 360 degree rotation

Standard ASME B30.5

		Boom Length								
		41.5 ft	60 ft	80 ft	100 ft	120 ft	140 ft	155 ft		
ft	lb	lb	lb	lb	lb	lb	lb	ft		
10	260,000								10	
12	199,700	150,000							12	
15	169,500	150,000	107,200						15	
20	131,900	130,200	105,500	85,000					20	
25	105,900	104,300	88,000	71,400	60,900				25	
30	86,800	89,500	75,100	60,900	52,700	42,800			30	
35		66,600	65,200	53,100	45,800	39,400	30,000		35	
40		57,700	50,700	46,600	40,600	35,600	26,800		40	
45		46,500	41,300	41,700	36,000	31,800	25,200		45	
50		37,900	33,500	36,000	32,200	28,800	23,600		50	
55			29,900	30,000	29,000	26,000	22,000		55	
60			27,800	25,200	26,600	23,500	20,400		60	
65			25,200	21,400	22,900	21,300	18,700		65	
70			21,600	18,400	19,700	19,400	17,200		70	
75				17,000	17,000	17,700	15,900		75	
80				15,800	14,700	15,700	14,700		80	
85				14,700	12,700	13,800	13,800		85	
90				13,800	11,200	12,000	12,600		90	
95					10,500	10,800	11,100		95	
100					9,800	10,100	9,800		100	
105					9,200	9,500	8,600		105	
110					8,400	8,600	7,500		110	
115						7,600	6,500		115	
120						6,600	5,600		120	
125						5,700	4,800		125	
130						4,900	4,000		130	
135							3,300		135	
140								2,600		140
145								2,000		145

Mode 1 Optimized for best capacities on longer radius

Mode 2 Optimized for best capacities on short radius

## 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.

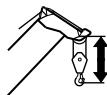
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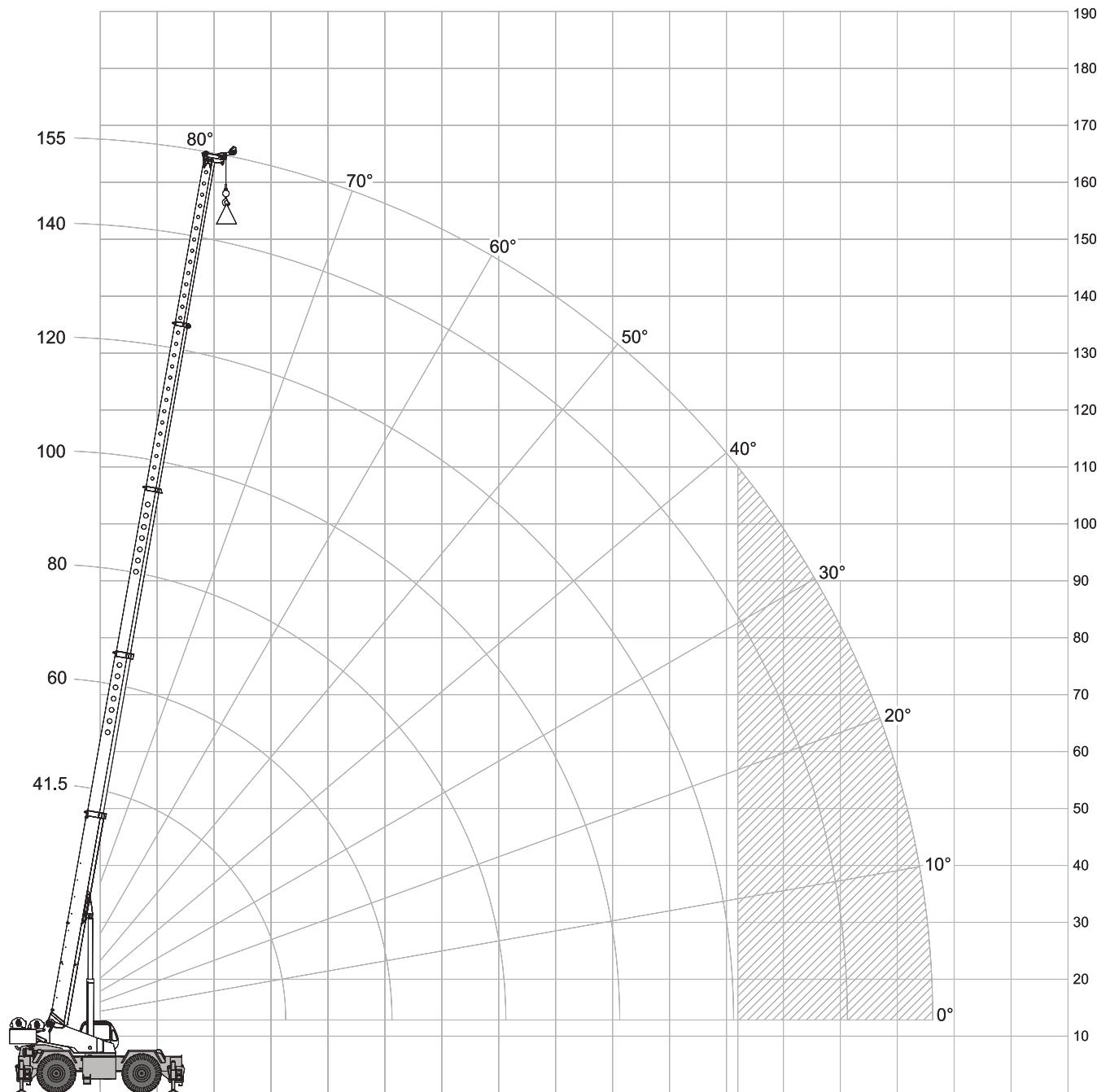
# RANGE DIAGRAM - MAIN BOOM

RT130

Outriggers Half Extended (50%), Dual Mode



 with hook ball: 7.5 ft  
with hook block: 10 ft

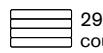


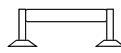
**TEREX**®

# LOAD CHART- MAIN BOOM

RT130

## Outriggers Half Extended (50%), Dual Mode

 29,600 lbs counterweight

 Outriggers extended 18.1 ft (50%)

 360 degree rotation

Standard ASME B30.5

		Boom Length								
		41.5 ft	60 ft	80 ft	100 ft	120 ft	140 ft	155 ft		
ft	lb	lb	lb	lb	lb	lb	lb	ft		
10	212,700									10
12	186,000	150,000								12
15	155,100	150,000	107,200							15
20	108,100	103,800	105,100	85,000						20
25	69,600	73,600	67,200	70,200	60,900					25
30	48,600	53,100	51,600	49,900	51,700	42,800				30
35		40,500	42,300	37,500	39,100	39,400	30,000			35
40		31,800	33,700	31,900	30,600	31,800	26,800			40
45		25,300	27,500	28,500	24,500	25,600	25,200			45
50		20,200	22,800	23,800	21,500	22,000	21,900			50
55			19,000	20,100	19,400	19,600	18,300			55
60			15,800	17,100	16,800	16,600	15,300			60
65			13,200	14,600	14,300	14,200	12,900			65
70			11,000	12,500	12,300	12,100	10,900			70
75				10,700	10,500	10,400	9,200			75
80				9,100	9,000	8,900	7,700			80
85				7,600	7,700	7,600	6,400			85
90				6,300	6,500	6,400	5,300			90
95					5,400	5,400	4,200			95
100					4,400	4,500	3,400			100
105					3,500	3,700	2,600			105
110					2,700	2,900				110

Mode 1 Optimized for best capacities on longer radius

Mode 2 Optimized for best capacities on short radius

### Notes to lifting capacity

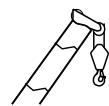
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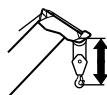
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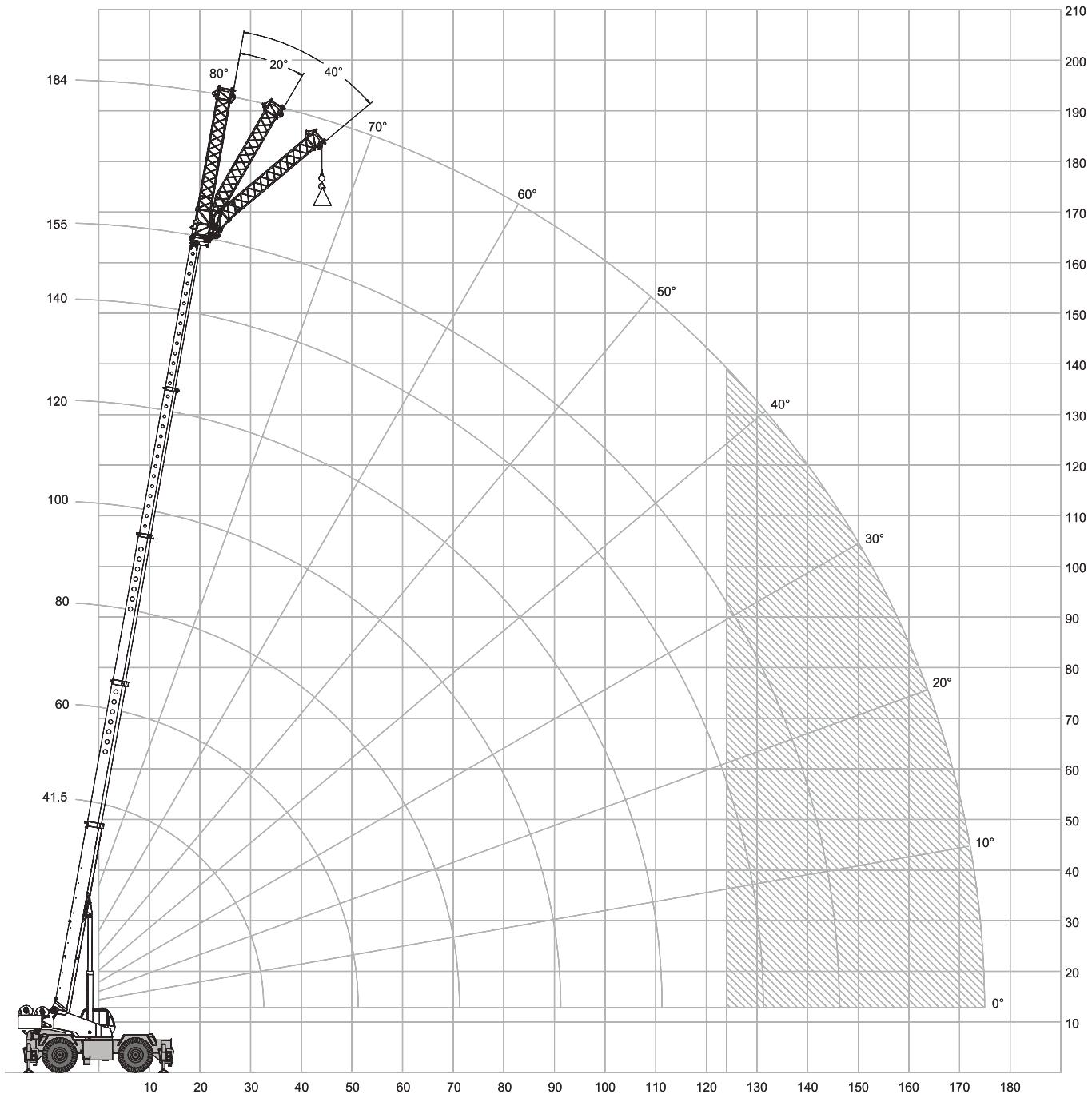
# RANGE DIAGRAM - MAIN BOOM

RT130

With Jib, 28.8 ft offset



 with hook ball: 7.5 ft  
with hook block: 10 ft



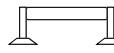
**TEREX**®

# LOAD CHART- MAIN BOOM

RT130

## With Jib, 28.8 ft offset

 29,600 lbs counterweight

 Outriggers extended 26 ft (100%)

 360 degree rotation

Standard ASME B30.5

28.8 ft Offsettable Jib					
0° Offset		20° Offset		40° Offset	
 Radius (ft)	Lbs	 Radius (ft)	Lbs	 Radius (ft)	Lbs
49	16,100	59	15,000	66	12,200
57	15,200	66	13,300	72	11,500
64	14,500	73	11,900	77	10,700
71	12,900	79	10,800	83	9,800
81	11,000	88	9,400	91	8,700
90	9,600	96	8,400	99	7,800
98	8,500	104	7,500	106	7,200
106	7,600	111	6,900	113	6,500
115	6,700	120	6,100	122	5,800
124	5,800	129	5,400	131	5,200
133	4,500	136	4,300	138	4,000
138	3,600	141	3,600		
148	2,400	151	2,300		
156	1,500	159	1,400		

## 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.

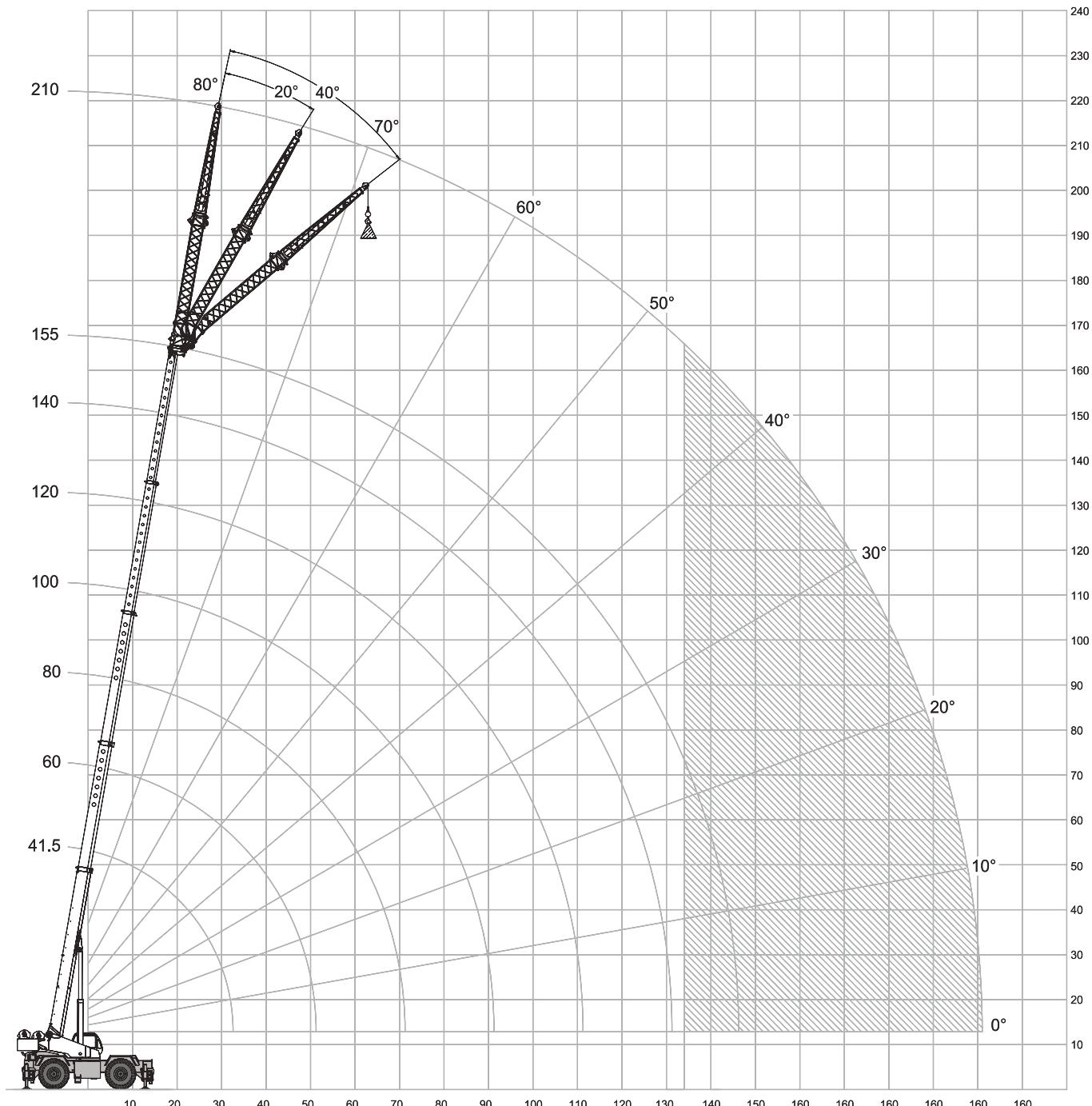
# RANGE DIAGRAM - MAIN BOOM

RT130

With Jib, 54.9 ft offset



 with hook ball: 7.5 ft  
with hook block: 10 ft



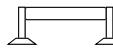
**TEREX**®

# LOAD CHART- MAIN BOOM

RT130

## With Jib, 54.9 ft offset

 29,600 lbs counterweight

 Outriggers extended 26 ft (100%)

 360 degree rotation

Standard ASME B30.5

54.9 ft Offsettable Jib					
0° Offset		20° Offset		40° Offset	
 Radius (ft)	Lbs	 Radius (ft)	Lbs	 Radius (ft)	Lbs
55	8,700	73	6,900	87	5,600
63	8,200	80	6,500	93	5,300
71	7,700	87	6,200	99	5,000
79	7,300	94	5,800	106	4,700
91	6,600	105	5,200	114	4,300
103	5,900	116	4,600	123	3,900
114	5,200	126	4,100	131	3,500
125	4,500	135	3,600	139	3,100
136	3,700	145	3,100	149	2,600
145	2,800	154	2,600	158	2,200
154	1,800	161	1,700	167	1,600
159	1,100	167	1,100		

## Notes to lifting capacity

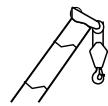
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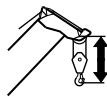
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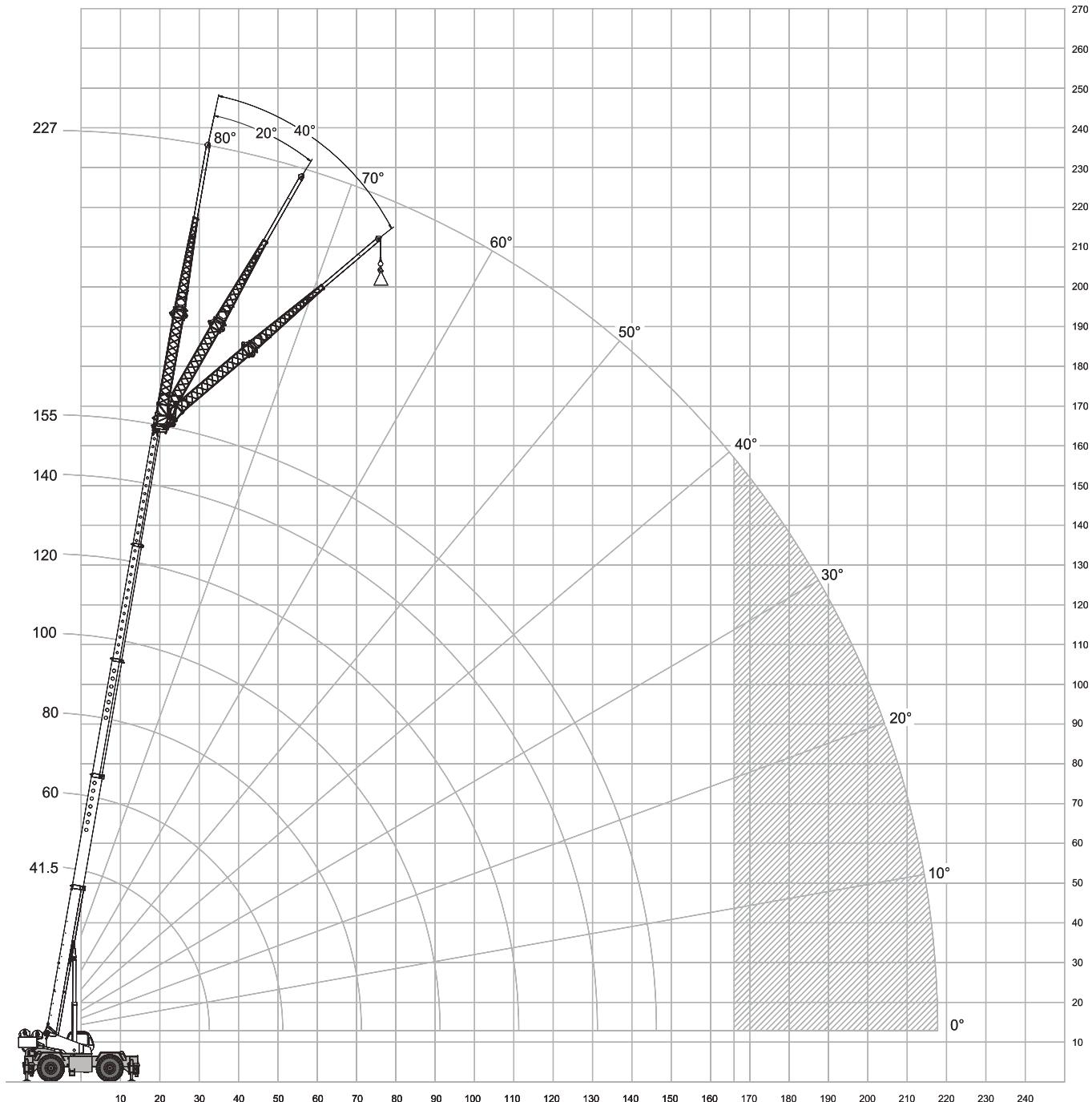
# RANGE DIAGRAM - MAIN BOOM

RT130

With Jib, 72.1 ft offset



 with hook ball: 7.5 ft  
with hook block: 10 ft



**TEREX**®

# LOAD CHART- MAIN BOOM

RT130

With Jib, 72.1 ft offset

 29,600 lbs counterweight

 Outriggers extended 26 ft (100%)

 360 degree rotation

Standard ASME B30.5

72.1 ft Offsettable Jib					
0° Offset		20° Offset		40° Offset	
 Radius (ft)	Ibs	 Radius (ft)	Ibs	 Radius (ft)	Ibs
61	6,700	84	5,100	102	4,000
70	6,300	93	4,700	108	3,800
79	5,900	100	4,500	114	3,600
88	5,500	107	4,200	120	3,400
100	5,000	118	3,800	129	3,100
113	4,500	129	3,400	138	2,800
124	4,000	139	3,000	146	2,500
135	3,500	149	2,700	153	2,300
148	3,000	161	2,200	163	2,000
159	2,500	171	1,900	172	1,700
169	1,800	179	1,400	181	1,400
175	1,100				

## 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.

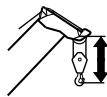
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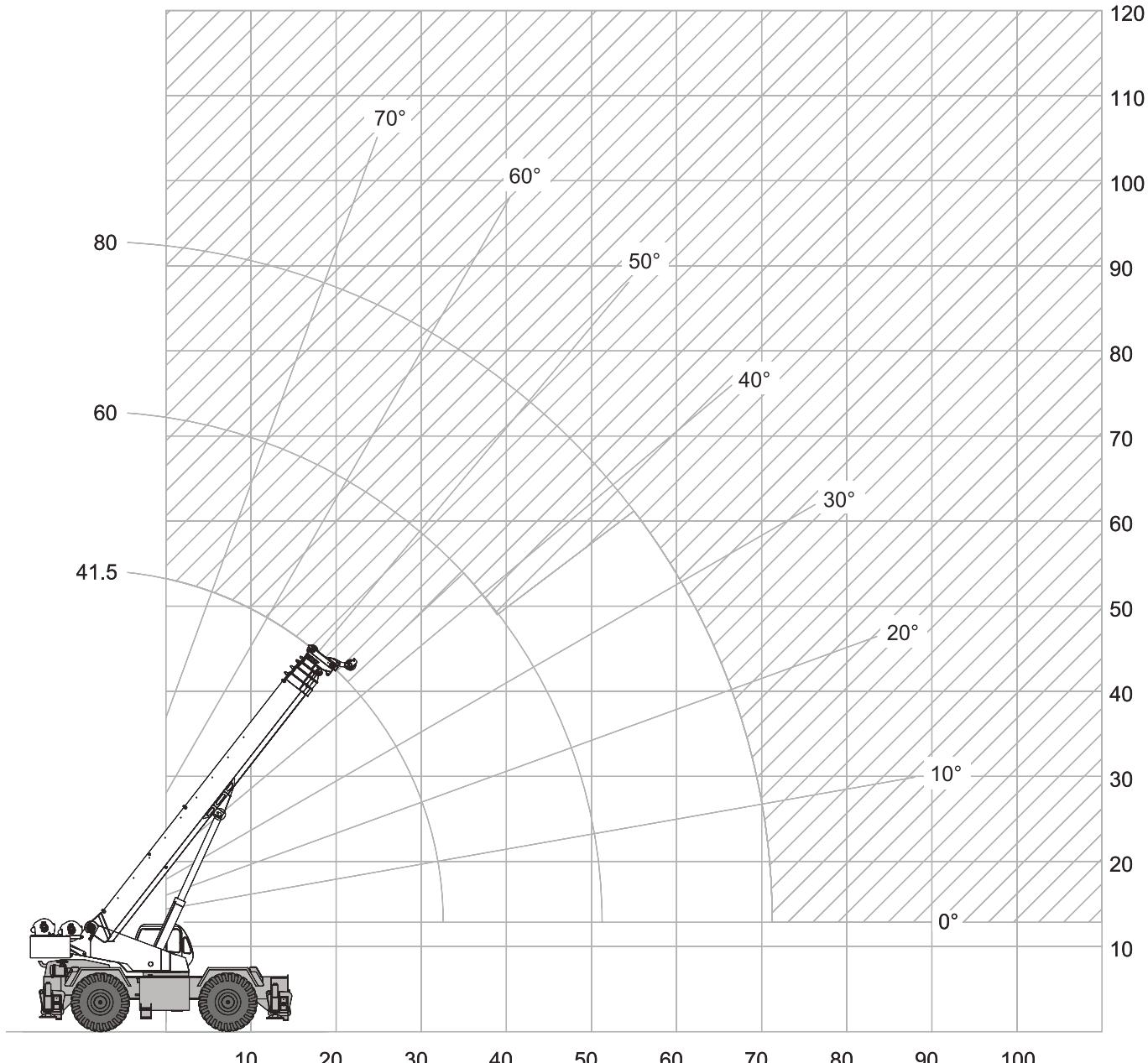
# RANGE DIAGRAM - MAIN BOOM

RT130

On Tires



 with hook ball: 7.5 ft  
with hook block: 10 ft



**TEREX**®

# LOAD CHART- MAIN BOOM

RT130

## On Tires

 29,600 lbs  
counterweight

 On tires  
33.25 x 29-32

Standard ASME  
B30.5

Boom		Travel Speed Boom straight over front		
Radius	Length	0 mph	Creep	2.5 mph
ft	lb	lb	lb	lb
20	42	62,600	57,100	47,600
25	42	50,900	42,300	34,700
30	42	42,500	32,500	26,300
35	60	23,400	23,400	23,400
40	60	20,800	20,800	19,600
45	60	18,400	18,400	15,800
50	60	16,200	16,200	12,800
55	80	14,100	14,100	12,300
60	80	12,200	12,200	10,200
65	80	10,400	10,400	8,300
70	80	8,800	8,800	6,800

## Notes to lifting capacity

Lifting capacities do not exceed 75% 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.

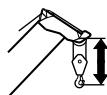
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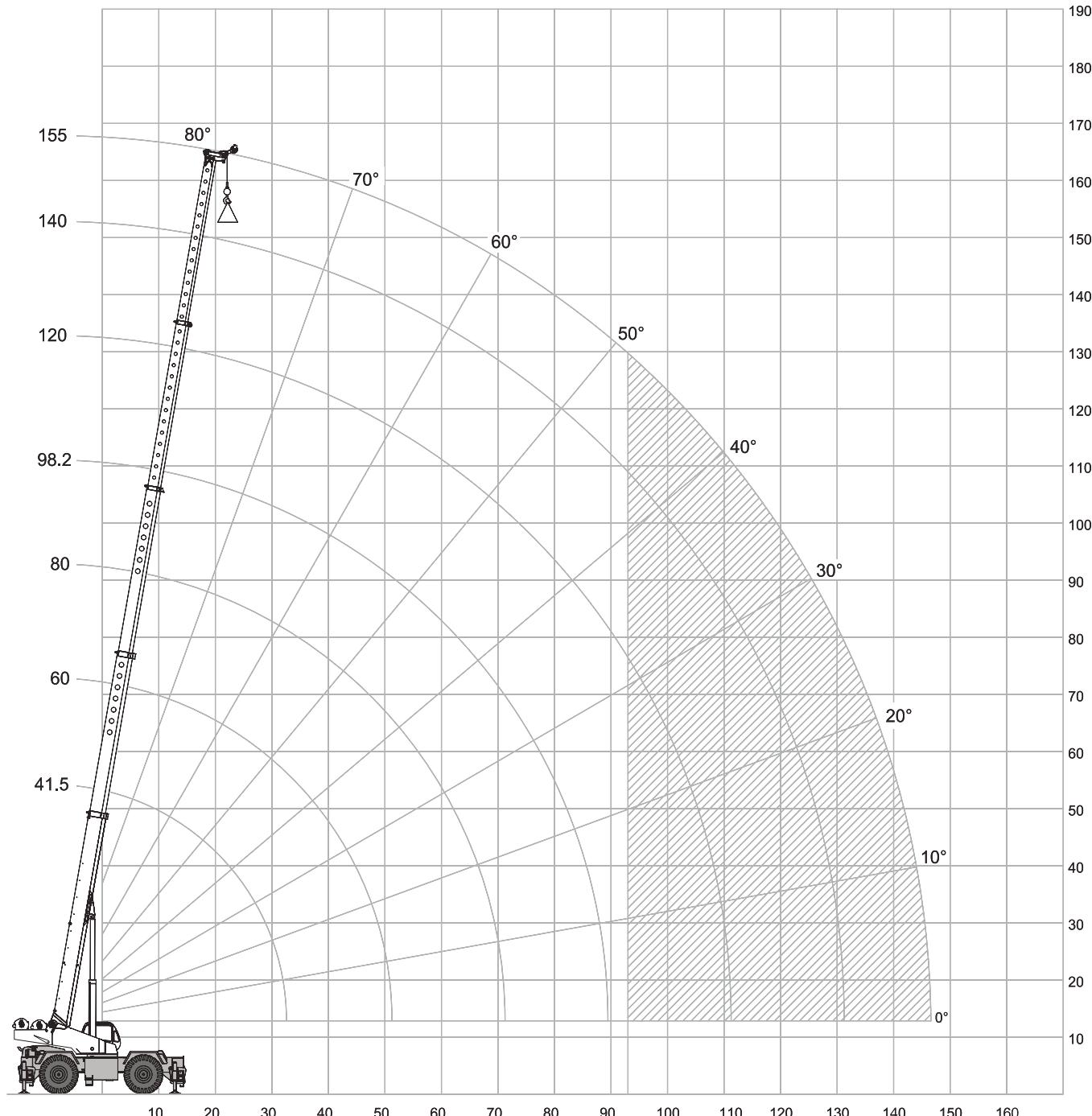
# RANGE DIAGRAM - MAIN BOOM

RT130

Without Counterweight



 with hook ball: 7.5 ft  
with hook block: 10 ft

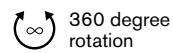
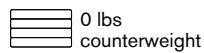


**TEREX**®

# LOAD CHART- MAIN BOOM

RT130

## Without Counterweight



Standard ASME B30.5

		Boom Length							
		41.5 ft	60 ft	80 ft	100 ft	120 ft	140 ft	155 ft	
ft	lb	lb	lb	lb	lb	lb	lb		ft
10	214,200								10
12	187,700	110,000							12
15	156,500	110,000	77,500						15
20	119,700	99,100	67,800	53,100					20
25	84,100	88,900	59,400	47,300	37,700				25
30	54,300	59,300	51,600	41,200	34,300	33,700			30
35	42,000	42,800	45,000	36,000	30,000	30,600	30,000		35
40		32,400	34,900	31,900	26,900	27,500	26,800		40
45		25,100	27,200	28,400	24,000	24,500	25,200		45
50		19,400	21,900	23,000	21,500	22,000	21,100		50
55		17,700	17,800	18,900	18,600	18,500	17,100		55
60			14,600	15,700	15,400	15,300	13,900		60
65			11,900	13,100	12,800	12,700	11,300		65
70			9,500	10,900	10,700	10,500	9,200		70
75			8,700	9,100	8,900	8,800	7,500		75
80				7,600	7,300	7,200	6,000		80
85				6,100	6,000	5,900	4,700		85
90				4,800	4,800	4,800	3,500		90
95				4,300	3,800	3,600	2,500		95
100					2,900	2,600	1,700		100
105					2,000	1,700	900		105
110					1,100	900			110

## Notes to lifting capacity

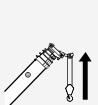
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# TECHNICAL DESCRIPTION

RT130

## Boom

<b>Standard configuration:</b>	
	5 sections full power
	<b>Mode 1:</b> Optimized for best capacity on longer radius <b>Mode 2:</b> Optimized for best capacity on short radius
	Min. / Max.
	Maximum tip height main boom
	Boom elevation angle range (min. / max.)
	-3° / 80°
	Boom raising / lowering time
	70 s / 100 s
	Boom extension / retraction time
	115 s / 106 s
<b>Optional configuration:</b>	
	Single sheave
	Tip height - boom fully retracted / boom fully extended
	54 ft / 165 ft
	Lattice style, side stow, bi-fold
	Pullout extension
	Angular offsets
	28.8 ft / 54.9 ft
	17.2 ft
	0°, 20° and 40°
	With one jib section
	With two jib sections
	With two jib sections and pullout
	184 ft
	210 ft
	227 ft
	With one jib section
	With two jib sections
	With two jib sections and pullout
	193 ft
	218 ft
	235 ft

## Hoist, Rope and Hook

<b>Standard configuration:</b>	
	Two speeds
	Grooved drum
	Storage capacity
	1,239 ft
	Maximum without load
	453 ft/min
	XIPS, IWRC, Right Regular Lay
	
	3/4 in
	
	850 ft
	Minimum breaking strength
	58,800 lbs
	Maximum line pull permissible
	16,800 lbs

# TECHNICAL DESCRIPTION

RT130

## Optional configuration:

	Two speeds Grooved drum Storage capacity	1,239 ft
	Maximum without load	453 ft / min
	Type: XIPS, IWRC, Right Regular Lay 35 x 7 rotation resistant compacted strand	
		3/4 in
		850 ft
	Minimum breaking strength Maximum line pull permissible	84,000 lbs 16,800 lbs
	Top swivel hook ball with latch 5 metallic sheaves 7 metallic sheaves 7 metallic sheaves 8 metallic sheaves	12 USt 75 USt 110 USt 130 USt 130 USt

## Superstructure

### Standard configuration:

	Weight Pinned to frame and hydraulically mounted / removed	14.8 USt
	Non stop Maximum rotation speed without load	360° 1.5 rpm
	Hydraulic motor Planetary reducer	
	Foot actuated pedal - provides variable braking force	
	Travel Lock - 2 position or 360° house lock	

# TECHNICAL DESCRIPTION

RT130

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

### Standard configuration:



Sliding door on the left side  
Sliding window on the left side and rear  
Hinged, tinted all glass skylight  
Six way adjustable and heated seat  
18° tiltable cab  
Work lights  
Signal lights indicating LMI-load



Armrest mounted dual axis electro-proportional joysticks  
Controls for hoist and hoist rotation indicator, slewing, boom elevation, boom telescoping  
Foot controls for swing brake, service brake and engine throttle  
Steering wheel column mounted controls for gear shifting  
Dashboard mounted switches for steering mode, outriggers



Graphic interface for rated capacity indicator



Standard HVAC, flameless heat



Diesel power heater

### Optional configuration:

## Carrier, Engine, Drive-line and Hydraulic system

### Standard configuration:



Hydraulic, independent extension:  
100% extended outrigger footprint area  
50% extended outrigger footprint area  
0% extended outrigger footprint area  
Floating ground bearing diameter (area)  
Single outrigger jack extending and retracting time  
Single outrigger beam extending and retracting time  
Access steps to the deck from any side

693.3 ft<sup>2</sup>  
483.9 ft<sup>2</sup>  
283.3 ft<sup>2</sup>  
24 in (452 in<sup>2</sup>)  
28 s  
11 s



6 x 3 powershift transmission with torque converter  
4WD if traveling in 1st or 2nd gears forward or reverse  
Rigid mounted front axle  
Oscillating mounted rear axle  
Automatic rear axles oscillation lock when superstructure is swung by 10° from centerline in either directions  
Pneumatic service brakes



3 mode hydraulic power steering  
Front wheel mode-minimum steering curb clearance radius  
All wheels cocentric steering mode - minimum steering curb clearance radius  
All wheels crab steering mode

50.1 ft  
28.2 ft



Piston pump for main and auxiliary winch  
Piston pump for boom hoisting and telescoping  
Gear pump for steering, outriggers and slewing  
Hydraulic oil tank capacity  
Hydraulic oil filters

304 gallons  
10 µm



TEREX®

# TECHNICAL DESCRIPTION

RT130



Tier 4F	
Cummins QSL9 6 cylinders	
Rated power	320 hp @ 2,200 rpm
Maximum gross torque	1,050 ft·lb @ 1,500 rpm
Intake: turbocharger with intercooler	
Fuel type	Ultra low sulfur diesel
Fuel tank capacity	80 gallons



Tier 3	
Cummins QSC8.3 6 cylinders	
Rated power	300 hp @ 2,200 rpm
Maximum gross torque	1,000 ft·lb @ 1,500 rpm
Intake: Turbocharger with intercooler	
Fuel type	Diesel
Fuel tank capacity	80 gallons



Engine oil heater	
Hydraulic oil heater	
Battery heater	
Low temp fluids	

## Vehicle performance



Maximum in 1 <sup>st</sup> gear	79%
Maximum in 6 <sup>th</sup> gear	5%



Maximum (6 <sup>th</sup> gear)	20.4 mph
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Maximum	+ 125° F
Minimum	-20° F

## Tires



Wide tread - Earth mover pattern (E3)	33.25 x 29-32
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## Other options

- Revolving amber light (One light mounted on the cab)
- Yellow strobe light (One light mounted on the cab - used in place of revolving amber light)
- Work light package (Lights mounted on the base of the boom and superstructure)
- 360-degree spotlight
- Tire inflation kit
- Mirror for viewing hoist
- Battery disconnect switch
- Front and/or rear pintle hook

## TECHNICAL DESCRIPTION

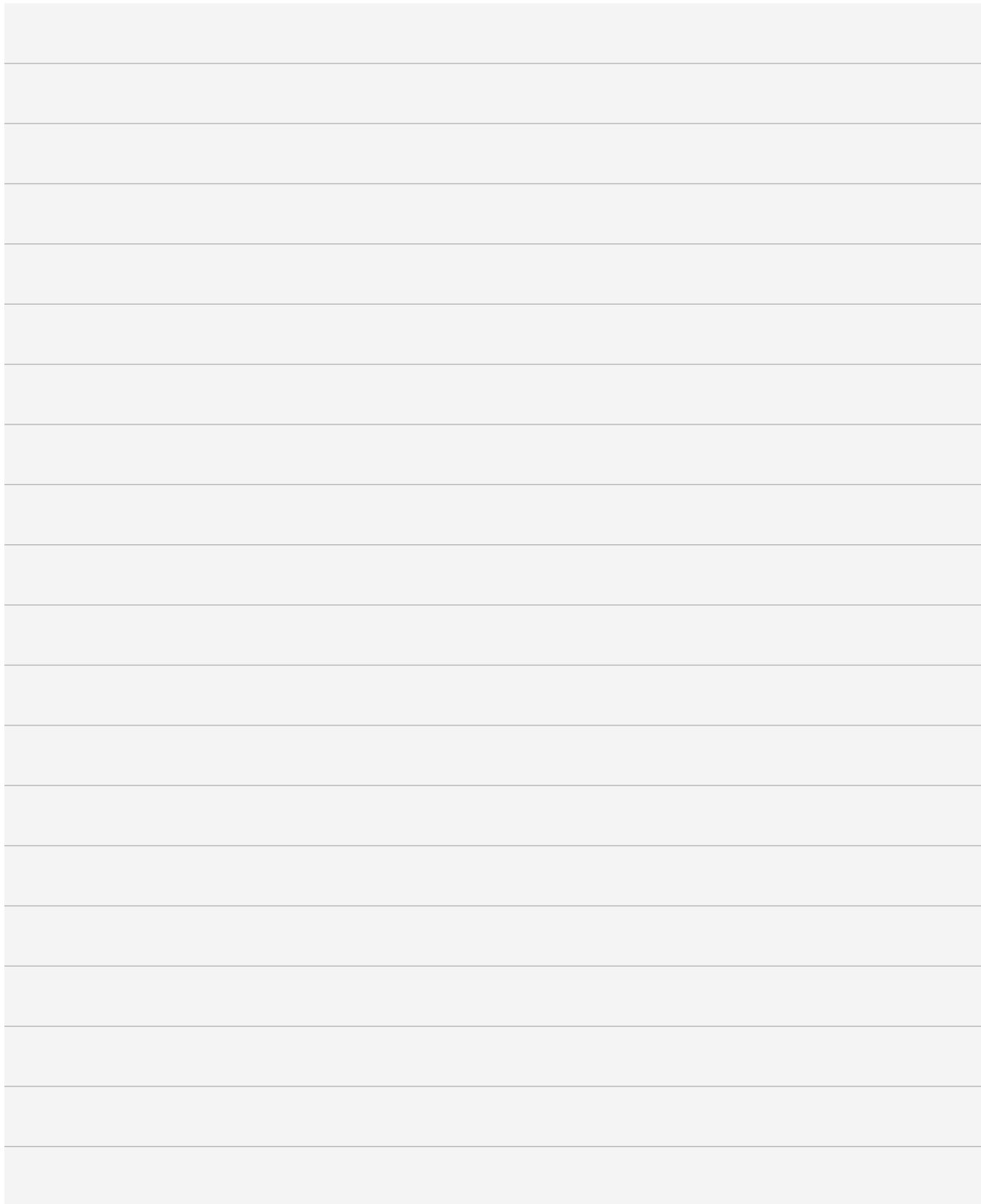
# RT130

## Notes

# TECHNICAL DESCRIPTION

RT130

## Notes

A blank sheet of white paper with horizontal grey ruling lines. There are 20 lines in total, spaced evenly down the page. The top line is slightly taller than the subsequent lines.

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