



**TELE CRAWLER CRANE
TCC 60**

DATASHEET IMPERIAL

PRELIMINARY

TCC 60



WORKS FOR YOU.™

CONTENTS

TCC 60

	Page:
Key	3
Highlights	4
Dimensions	
Basic crane dimensions	5
Weights	5
Dimensions	
Transport example for TCC 60	6
Range Graph	
Main boom	7
Load Charts	
Main boom	8
Range Graph	
Folding swing-away jib	10
Load Charts	
Folding swing-away jib	11
Technical Specifications	
Boom	12
Hoist, Rope and Hook block	12
Upper structure	13
Cab, controls	14
Carrier	14
Vehicle performance	14
Option	15
Notes to Lifting Capacity	17



KEY

TCC 60

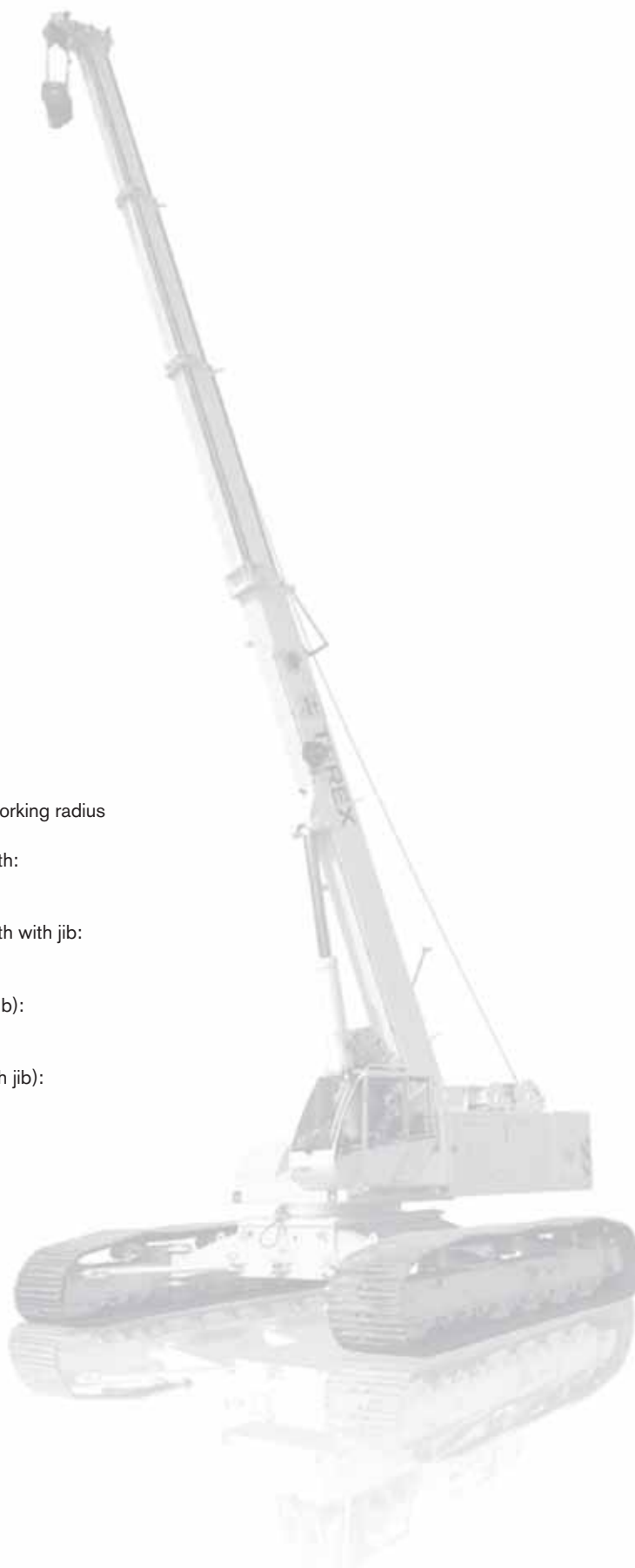
	Counterweight		Performance
	Main boom		Min. distance between hook and boom head
	Boom length		Hook block
	Tip height		Weight of hook block
	Boom extension		Rated weight on hook block
	Telescoping		Single line hook
	Boom elevation angle		Rams-horn hook
	Working radius		No. of lines
	Track		No. of sheaves
	Track retracted		Hoist speed
	Auxiliary head sheave / rooster sheave		Rope
	Slewing range		Rope diameter
	Slewing locked		Rope length
	Slewing gears		Line pull
	Hoist 1 (Main)		Speed
	Hoist 2 (Auxiliary)		Gradeability
	Crane in standard configuration		Engine
	Crane without counterweight		Cabine
	Gross vehicle weight		Transmission
	Counterweight right		Rated capacity limiter (RCL)
	Counterweight left		Operation temperature
	Counterweight base plate		Hydraulics
	Track right		Lights
	Track left		Heating
			Air condition



HIGHLIGHTS

TCC 60

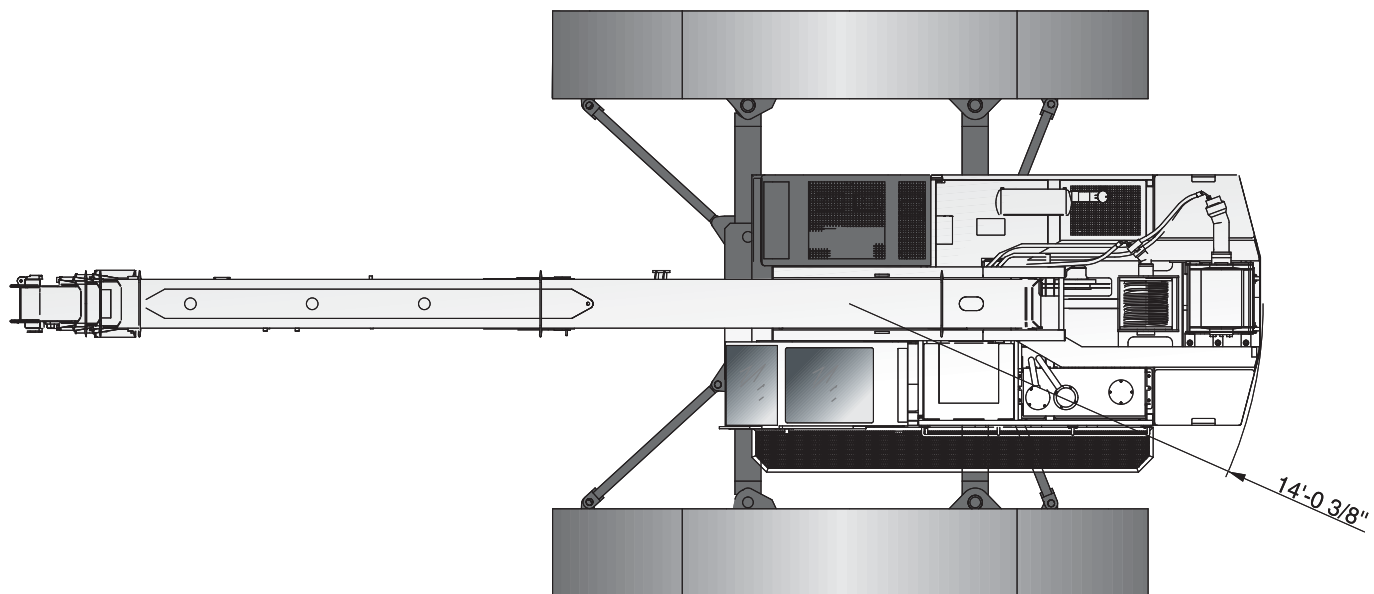
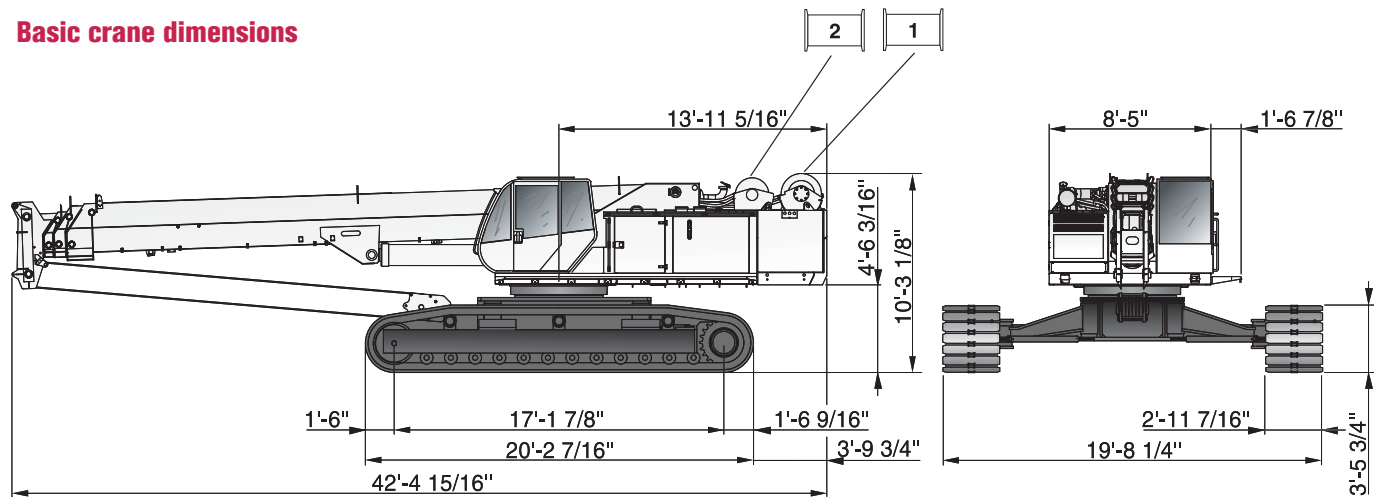
- ▶ Rated capacity:
132,300 lb at 10 ft working radius
- ▶ Max. main boom length:
106 ft
- ▶ Max. main boom length with jib:
152 ft
- ▶ Max. tip height (with jib):
160 ft
- ▶ Max. hook height (with jib):
155 ft



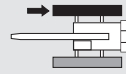
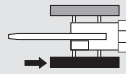
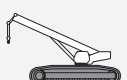
DIMENSIONS

TCC 60

Basic crane dimensions



WEIGHTS

			
	137,230 lb	68,615 lb	68,615 lb

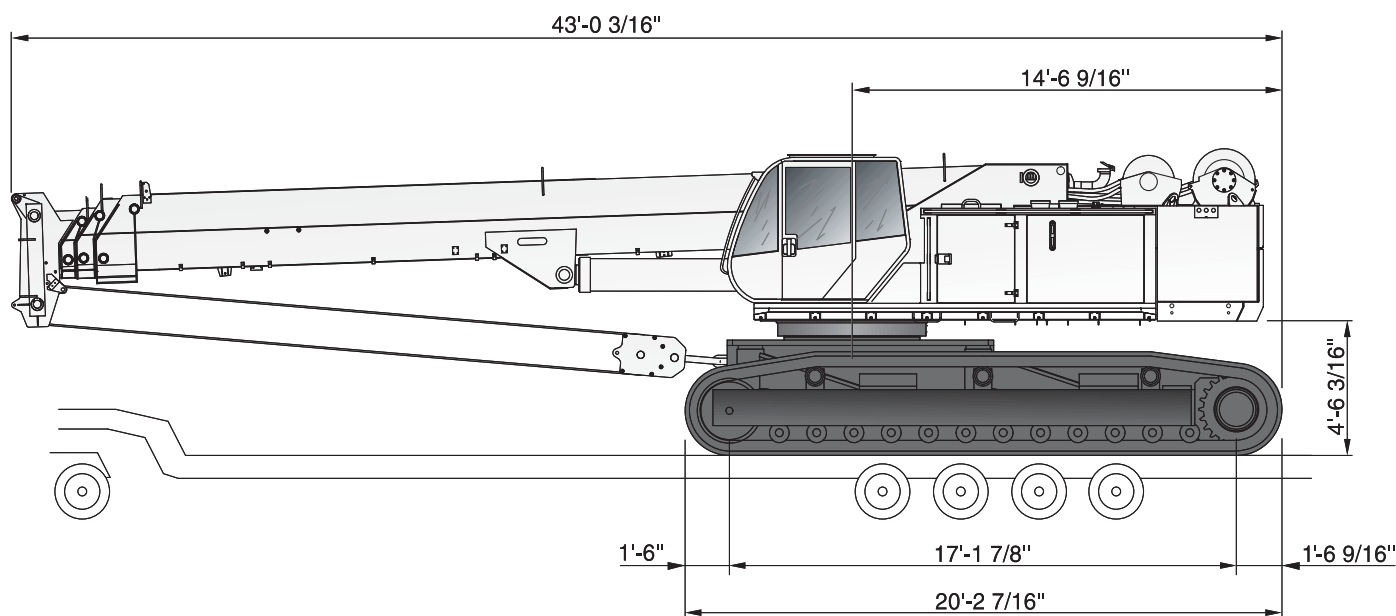
Note: values are in working condition with full counterweight, 6 sheave hook block, hoist 1 and hoist 2 and folding jib mounted



DIMENSIONS

TCC 60

Transport example for TCC 60



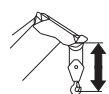
- Crane	102,820 lb
- Hoist 1	1,940 lb
- Single sheave hook	562 lb
Total weight	105,322 lb



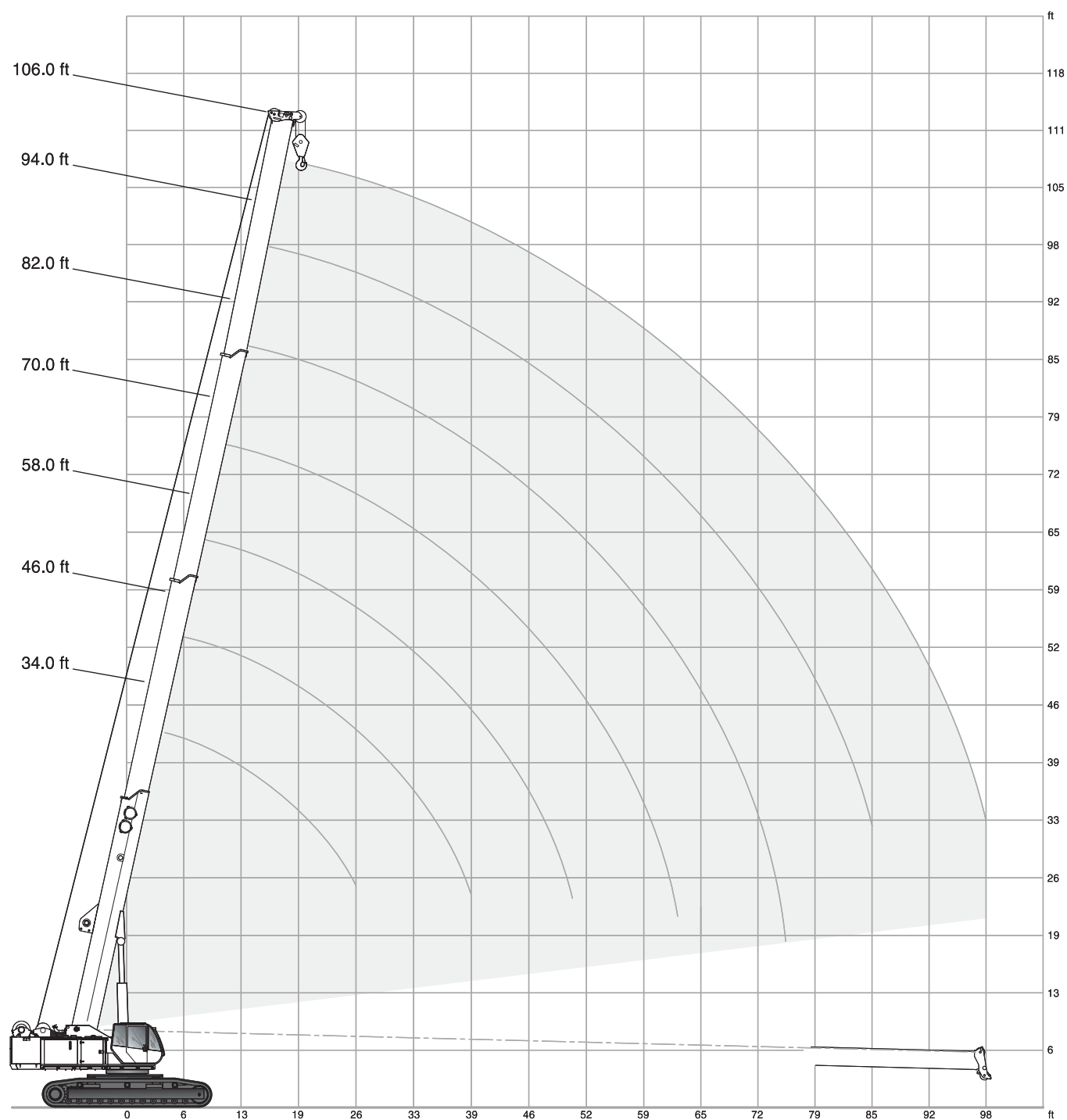


RANGE GRAPH

TCC 60



Main boom with hook block: 8.5 ft
extension with hook block: 8.5 ft
extension with hook ball: 5.2 ft





LOAD CHART

TCC 60

 26,450 lb		 19.7 ft		 360°		AMERICAN STANDARD ASME B30.5			
		34 ft	46 ft	58 ft	70 ft	82 ft	94 ft	106 ft	
ft									ft
10		132000	-	-	-	-	-	-	10
11		108000	-	-	-	-	-	-	11
13		99200	77100	60600	-	-	-	-	13
15		83700	76200	56200	-	-	-	-	15
16		79300	75300	50700	44000	31900	-	-	16
20		69400	70500	45100	37600	29300	21100	-	20
23		61700	55800	39600	33000	28200	18700	13200	23
26		50700	50200	36300	29700	25700	17600	12500	26
30		-	41600	32800	27100	23300	16500	11900	30
33		-	35400	28200	24400	21300	15400	11000	33
36		-	33000	25300	22000	18200	14700	10300	36
39		-	29500	23100	20000	16700	14100	9900	39
43		-	-	20900	18200	15800	13600	9400	43
46		-	-	18700	16700	14300	12700	8800	46
49		-	-	17600	14700	13200	11400	8300	49
52		-	-	-	13200	11600	10800	7700	52
56		-	-	-	11900	11000	9900	7400	56
59		-	-	-	11000	10100	9000	7200	59
62		-	-	-	9900	9200	8500	6800	62
66		-	-	-	-	8500	7900	6300	66
69		-	-	-	-	7900	7200	5900	69
72		-	-	-	-	7200	6600	5700	72
75		-	-	-	-	6600	6100	5500	75
79		-	-	-	-	-	5700	5200	79
82		-	-	-	-	-	5200	4800	82
85		-	-	-	-	-	4800	4400	85
89		-	-	-	-	-	-	3900	89
92		-	-	-	-	-	-	3700	92
95		-	-	-	-	-	-	3500	95
98		-	-	-	-	-	-	3300	98
min		30800	13200	9900	7000	4400	3300	2200	min 
	0°								0°
min		30800	13200	6600	3500	2200	-	-	min 
	0°								0°

Telescoping Mode 1

Telescoping Mode 2



TEREX®



LOAD CHART

TCC 60

26,450 lb		11.5 ft – Retracted		360°		AMERICAN STANDARD ASME B30.5			
		34 ft	46 ft	58 ft	70 ft	82 ft	94 ft	106 ft	
ft									ft
10	93200	-	-	-	-	-	-	-	10
11	73700	-	-	-	-	-	-	-	11
13	60700	57500	60600	-	-	-	-	-	13
15	51300	48700	46700	-	-	-	-	-	15
16	44200	42000	40400	44000	31900	-	-	-	16
20	34200	34800	31400	31600	29300	21100	-	-	20
23	27500	28100	25100	25600	28200	18700	13200	-	23
26	22800	23400	21100	21200	21500	17600	12500	-	26
30	-	19800	19800	17900	18200	16500	11900	-	30
33	-	17100	18000	15300	15600	15400	11000	-	33
36	-	14900	16500	13100	13600	14700	10300	-	36
39	-	13100	14700	11400	11800	12100	9900	-	39
43	-	-	11900	10300	10400	10700	9400	-	43
46	-	-	10700	9400	9200	9500	8800	-	46
49	-	-	9600	8800	8100	8400	8300	-	49
52	-	-	-	8100	7200	7500	7700	-	52
56	-	-	-	7400	6300	6700	7400	-	56
59	-	-	-	6800	5600	5900	6200	-	59
62	-	-	-	6300	5000	5400	5600	-	62
66	-	-	-	-	4400	4800	5000	-	66
69	-	-	-	-	4100	4300	4500	-	69
72	-	-	-	-	3700	3800	4100	-	72
75	-	-	-	-	3500	3400	3700	-	75
79	-	-	-	-	-	3000	3300	-	79
82	-	-	-	-	-	2600	2900	-	82
85	-	-	-	-	-	2300	2600	-	85
89	-	-	-	-	-	-	2300	-	89
92	-	-	-	-	-	-	2000	-	92
95	-	-	-	-	-	-	1800	-	95
98	-	-	-	-	-	-	1500	-	98
min		21200	11300	6100	4200	3000	2100	1400	min
0°		21200	13200	6600	3500	2200	-	-	0°

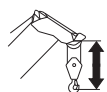
Telescoping Mode 1

Telescoping Mode 2

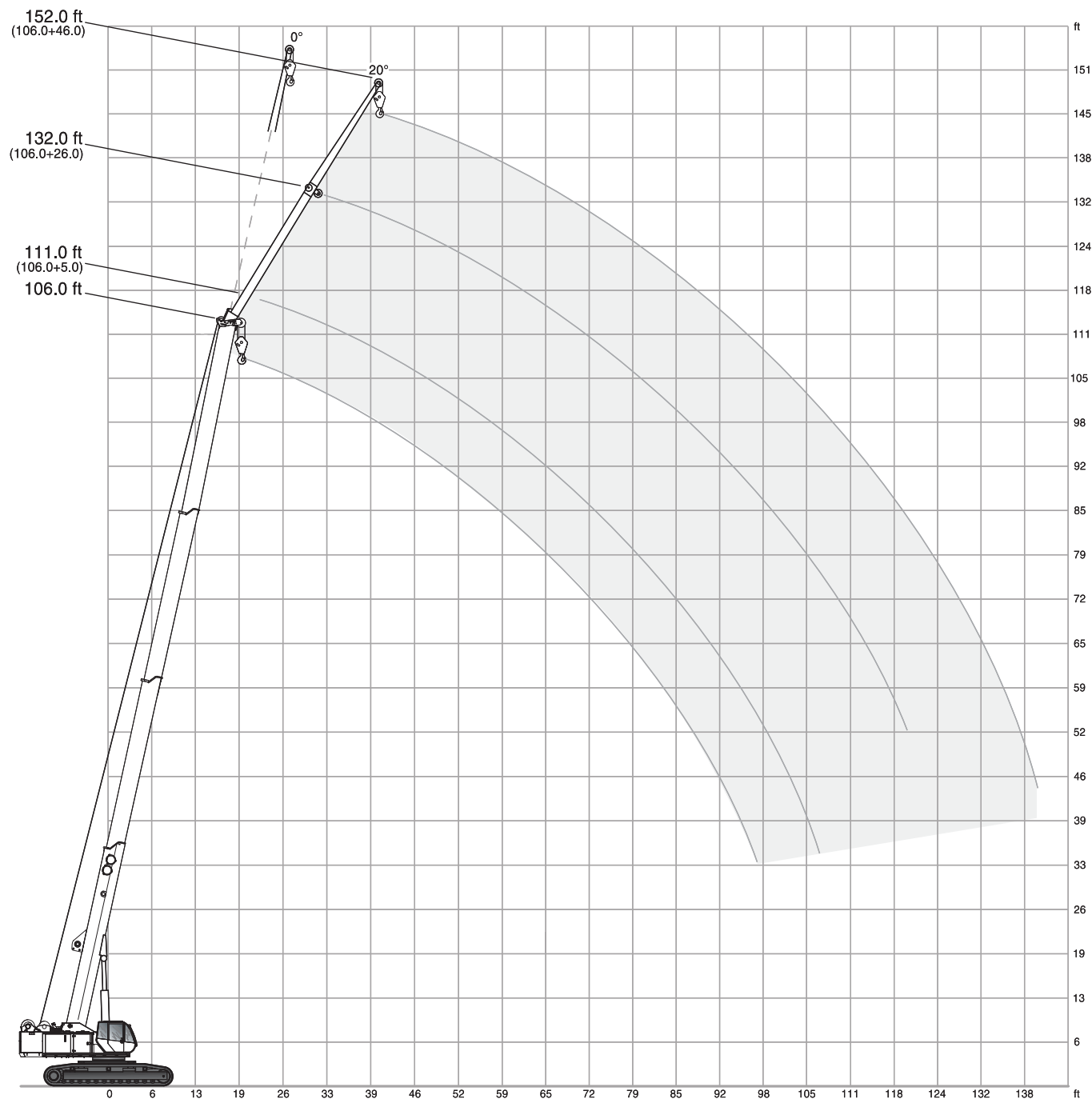


RANGE GRAPH

TCC 60



Main boom with hook block: 8.5 ft
extension with hook block: 8.5 ft
extension with hook ball: 5.2 ft



TEREX®



LOAD CHART

TCC 60

 26,450 lb		 19.7 ft		 360°		AMERICAN STANDARD ASME B30.5	
 106 ft							
	 5 ft	26 ft		46 ft			
	 22°	0°	20°	0°	20°		
ft						ft	
20	-	9400	-	-	-	20	
23	11600	9200	-	-	-	23	
26	11200	8800	-	6300	-	26	
30	10500	8300	7000	6100	-	30	
33	10100	7900	6800	5900	-	33	
36	9400	7400	6600	5700	-	36	
39	9000	7000	6300	5500	3600	39	
43	8500	6600	6100	5200	3500	43	
46	8100	6100	5900	5000	3500	46	
49	7700	5700	5700	4800	3400	49	
52	7400	5500	5500	4600	3300	52	
56	6900	5200	5200	4400	3300	56	
59	6600	5000	4800	4100	3100	59	
62	6100	4800	4400	3900	3100	62	
66	5700	4600	4100	3700	3000	66	
69	5500	4400	3900	3400	3000	69	
72	5200	4100	3700	3300	2900	72	
75	5000	3900	3500	3000	2800	75	
79	4700	3700	3300	2900	2700	79	
82	4400	3500	3000	2700	2600	82	
85	4100	3300	2800	2600	2500	85	
89	3900	3000	2600	2500	2400	89	
92	3700	2800	2400	2400	2300	92	
95	3500	2600	2200	2200	2200	95	
98	3300	2400	1900	2000	2000	98	
102	-	2200	1700	1900	1900	102	
105	-	1900	1500	1800	1800	105	
108	-	1700	1300	1600	1700	108	
112	-	1500	800	1500	1600	112	
115	-	1500	800	1400	1500	115	
118	-	1500	800	1300	1400	118	
121	-	1300	-	1200	1300	121	
125	-	1300	-	1100	1200	125	
128	-	-	-	900	1100	128	
131	-	-	-	800	900	131	
135	-	-	-	700	800	135	
138	-	-	-	600	600	138	
 min	2400	1300	800	500	500	 min	



TECHNICAL SPECIFICATIONS

TCC 60

Boom

	4 sections	
	Dual mode	
	Min. / Max.	33.4 ft / 106.2 ft
	Max. tip height	113.2 ft
	Boom luffing angle (min. / max.)	-3° / 80°
	Boom raising / lowering time ¹⁾	50 s / 40 s
	Boom extension / retracting time ¹⁾	60 s / 50 s

Hoist, Rope and Hook block

	1	Hydraulic motor (axial piston)	
		With hydraulic pilot stop valve	
		Hydraulically operated spring loaded brake	
		Rope roller limit switch system	
		Weight of hoist 1 with rope	1940 lb
	2 speeds		
	Max. ¹⁾		442 ft / min
	Rotation resistant		
			0.7 in. (³ / ₄ ")
			656 ft
	Max. line pull		11915 lbf



TEREX®



TECHNICAL SPECIFICATIONS

TCC 60

			
 lb			
132,000 lb	6	12	1,345 lb
27,600 lb	1	3	562 lb
22,000 lb	1	3	375 lb
17,600 lb	0	1	388 lb
11,000 lb	0	1	110 lb

Upper structure

	Left block	7,700 lb
	Right block	7,700 lb
	Base plate	11,050 lb
	Non stop	360°
	Max. speed ¹⁾	2 rpm
	Hydraulic motor	
	Planetary reducer	
	Cummins QSB6.7 EPA Tier3, CARB Tier3, EU stage III	
	No. of cylinders	6
	Rated power	220 HP / 164 kW@ 2200 rpm
	Max. gross torque	700 lb-ft@1500 rpm
	Fuel tank capacity	79 gallons
	One 3 stage gear pump and 2 piston pumps	



TECHNICAL SPECIFICATIONS

TCC 60

Cab, controls



- Sliding door
- Radio/CD
- Hydraulic joysticks
- Dead man switches (joysticks & seat)
- Emergency Engine Stop



Air conditioning



- Rated capacity limiter (RCL) with graphic interface
- Engine data display on RCL screen
- Working range limiter



Diesel heater



Working light on the cab

Carrier



Track width max. 19.7 ft

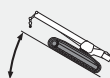


Track width retracted 11.5 ft



Hydrostatic transmission on each crawler

Vehicle performance



Max. without load²⁾ 30°

Max. with load²⁾ 4°



Max.²⁾ 1.55 mph



Min. / Max. -4 °F / +113 °F



TEREX®



TECHNICAL SPECIFICATIONS

TCC 60

Option

	Auxiliary head sheave / rooster sheave	5.4 ft
	Box type, side stowable	5 ft / 26 ft / 46 ft
	Angular offsets	0° / 20°
	Light on cab controllable from operator seat	
	Light on 1st boom section	
	Rotary beacon 1st boom section	
	Working light on upper structure	
	Hydraulic motor (axial piston)	
	With hydraulic pilot stop valve	
	Hydraulically operated spring loaded brake	
	Rope roller limit switch system	
	Weight of hoist 2 with rope	1940 lb
	2 speeds	
	Max. ¹⁾	442 ft / min
	Rotation resistant	
		0.7 in. (3/4")
		656 ft
	Max. line pull	11915 lbf



TECHNICAL SPECIFICATIONS

TCC 60



Engine pre-warming kit

HYDR

Hydraulic oil radiator with by-pass valve

Rear towing hook

Wooden cab protection for sea transport

Removable parts disassembly and storage in wooden box tied to crane

Disassembly of removable parts for sea transport

Custom single colour paint scheme, whole crane

Custom, single colour paint scheme, upper or lower part of crane

Custom paint scheme, 2 colours, whole crane

Custom paint scheme, boom elements

Heavy-duty painting for corrosive environments

Anemometer

Spark arrestor on exhaust



TEREX®



TCC 60

								
lb			1	2			Standard	Optional
132,000 lb	6	12	•			•	•	
132,000 lb	6	12	•		•			•
27,600 lb	1	3	•			•		•
22,000 lb	1	3		•		•		•
17,600 lb	0	1	•			•		•
11,000 lb	0	1		•		•		•

Note: ask your local dealer for a full list of options.

(1) Indicative value only for reference

(2) Standard crane in travelling configuration

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.



TCC 60

www.terexcranes.com

Effective Date: September 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.

Copyright 2010 Terex Corporation

Terex Cranes, Global Marketing, Dinglerstraße 24, 66482 Zweibrücken, Germany
Tel. +49 (0) 6332 830, Email: info.cranes@terex.com, www.terexcranes.com

Brochure Reference: TC-DS-I-E-TCC 60-09/10



WORKS FOR YOU.™