



SANY

SRA1200A

ROUGH TERRAIN CRANE



120 USt (110 Mt)



183.7 ft (56 m)



244.4 ft (74.5 m)

**FULLY LOADED
IS THE NEW
STANDARD**

Best LMI in the Industry

Operator Friendly

Tier 1 Components

**Backed by SANY's
3-Year/3,000-Hour
Standard Warranty**

PRELIMINARY

**WHY SANY ROUGH
TERRAIN CRANES?**

STRENGTH. RELIABILITY. PERFORMANCE.

SANY's rough terrain cranes have outstanding capacity to perform on a jobsite no matter the challenge or time of day. Operators appreciate the level of simplicity, comfort, high visibility and control at their fingertips. Technicians like the on-board diagnostics system which allows them to address an issue at the source right away so they can have the machine back up and working faster. Less downtime means more work gets done. Like all SANY cranes, they come loaded with all the standard features you need and are backed by the industry's strongest standard warranty. That's 3 years or 3,000 hours of proven reliability.



*Warranty applies to 2022 Crane models only.



PROUDLY MADE FOR AMERICA

MODEL **SRA1200A**

MAX CAPACITY

120 USt

BOOM LENGTH

183.7'

JIB LENGTH

34.4' - 59.1'

MAX TIP HEIGHT

244.4'

Since 2006, SANY America has been investing in and growing across the U.S. From our 272-acre facility in Georgia, where we employ over 150 American employees, to our growing dealer network across the country, SANY America is dedicated to building business and forging relationships across America. We feature tier one components by brands you trust like Cummins, Kessler, Dana and Rexroth. And our industry-leading warranties are proof of SANY's reliability. It's the same for all of our equipment whether it be cranes, construction machinery or port machinery. We stand behind our equipment and proudly show continuous support to our machines and the people who operate them.

SANY America is dedicated to helping American-owned businesses thrive with our commitment to value, performance and service.



SANY's 120 USton rough terrain crane with six-section 183.7-foot full power boom, features strong capacity with reduced self-weight.





SRA1200A

DESIGNED TO **DOMINATE** THE JOBSITE

SANY builds some of the most durable and reliable cranes in the world. That's design validation at the highest level working to increase the overall longevity of your machine. Beyond reliability and durability, we focus on the operator's experience. So we gave the LMI a large, touchscreen monitor which is easier and more intuitive to navigate. Then we focused on spaciousness, visibility, and climate control. This cab will keep them cool in the hottest days of summer and warm in the cold days of winter. They have high visibility of the jobsite day and night with a tiltable cab, wide windows and multiple cameras.

**WE'VE GOT
YOUR
BACK**

To provide peace of mind and ensure maximum uptime, SANY backs all its equipment with robust standard warranties. That's our commitment to keeping your fleet running at peak performance. Our network of local dealers will partner with you for routine maintenance and be there for warranty repairs. You can trust SANY to keep you moving, year-round.

**INDUSTRY'S
STRONGEST
STANDARD
WARRANTY** | **3-YEAR
3,000 HOURS**



PERFORMANCE

With a long boom, strong winches, and strong charts that are best in their class, we made sure operators have what they need to work at peak performance all day long.

COMFORT

The roomy, temperature-controlled cabs have intuitive controls and high visibility. They are designed to keep operators comfortable, alert and engaged.

POWER

Cummins engines, robust and reliable powertrains, and trusted hydraulic components round up the power trifecta.

CONTROL

From high visibility of the jobsite and controls that are designed to be ergonomic and easy to use to an advanced LMI system that gives them critical information without having to dig through menus, operators have everything they need right in front of them to maintain control of the work and the site.

STRENGTH

SANY's heavy-duty body, outriggers and counterweight keep the crane stable when the greatest strength and rigidity is needed.

INDUSTRY-LEADING WARRANTIES

To provide peace of mind and ensure maximum uptime, SANY America's rough terrain cranes are backed by a 3-year/3,000-hour industry-leading standard warranty.

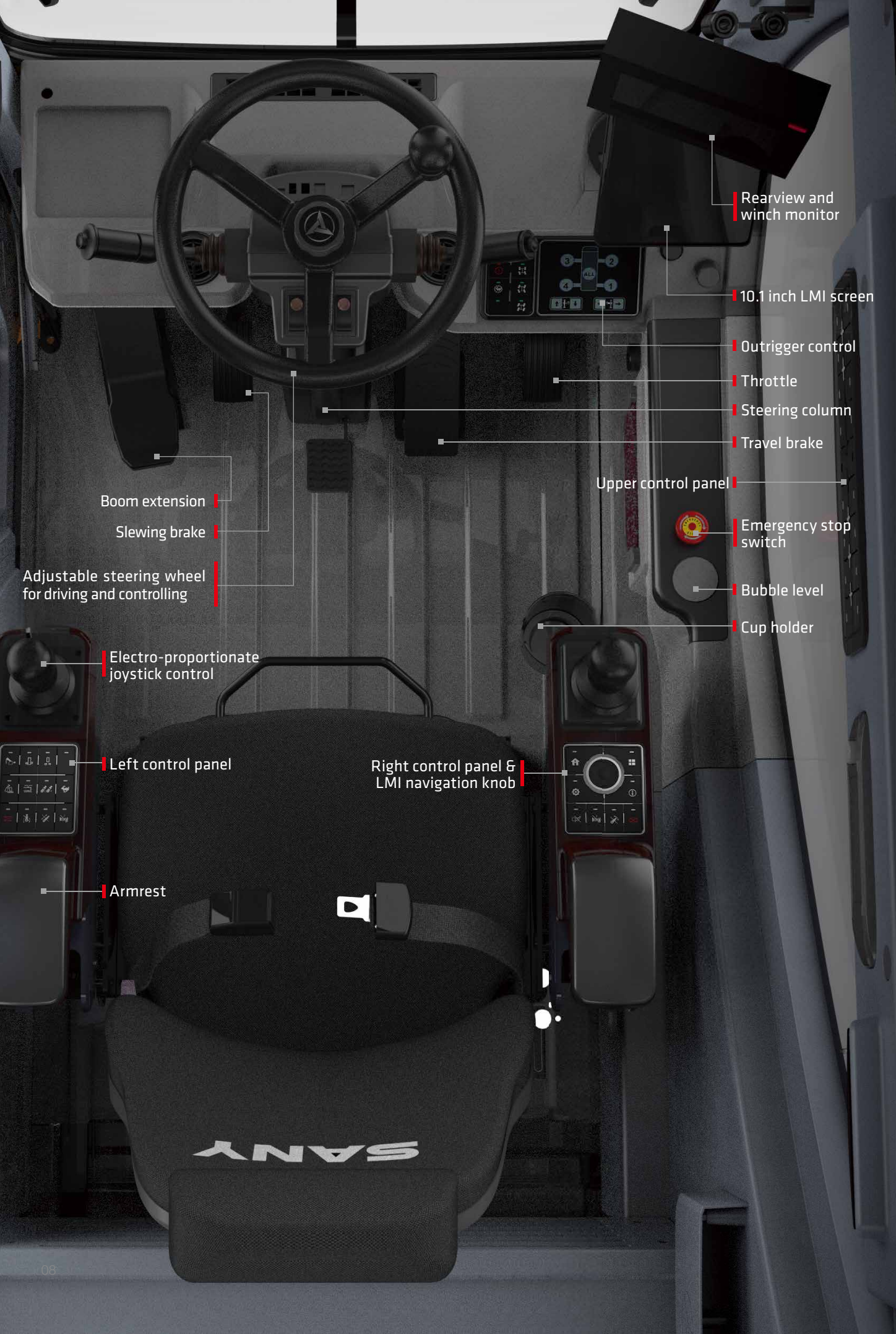
SUPPORT

SANY's crane dealer network is growing as we seek to provide dealerships across America for local service and maintenance.

COMPONENT BRANDS



KESSLER+CO



Rearview and winch monitor

10.1 inch LMI screen

Outrigger control

Throttle

Steering column

Travel brake

Upper control panel

Emergency stop switch

Bubble level

Cup holder

Boom extension

Slewing brake

Adjustable steering wheel for driving and controlling

Electro-proportionate joystick control

Left control panel

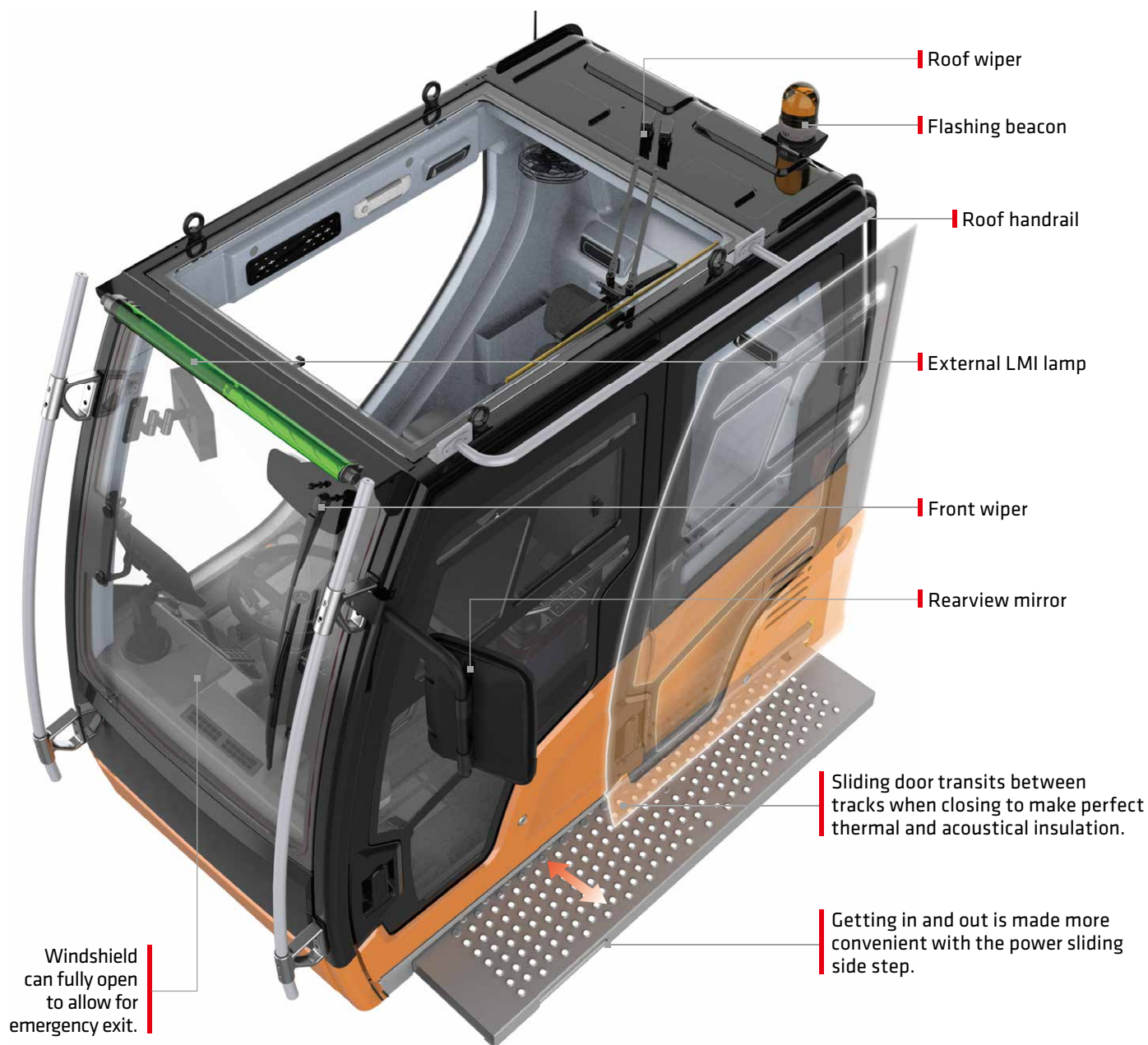
Right control panel & LMI navigation knob

Armrest

SANY

THE SMOOTH, PRECISE CONTROL COMES STANDARD

Inside and out, this cab has been designed to improve the operator experience. The temperature is controlled so operators are always comfortable working throughout the day with enough space to move. Ergonomic, modular and highly efficient controls are well placed. With the use of icons, buttons on the control panels are easy to understand. The controls have good feedback and movement is precise. The LMI in this crane is something SANY is particularly proud of and we think it's the best in the industry—it's unquestionably the most operator-friendly.



Safety & Reliability



Comfort & Convenience



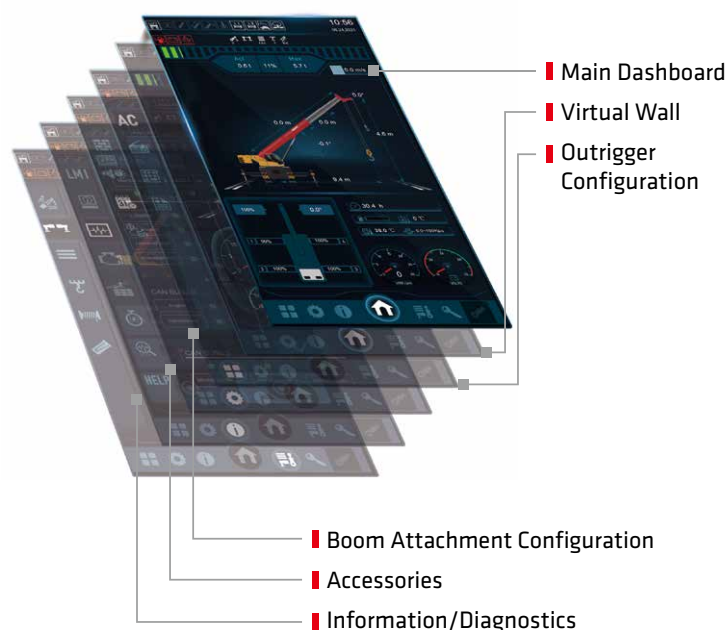
Simplicity & Efficiency

Multi-functional touchscreen

Precise Load Moment Indicator (LMI)

More pictorial, less menus

LMI navigation just went to the next level. No need to dig through archaic looking menus trying to find critical information or functionality. No language barriers here, because there's rarely a need for language at all. The LMI is very pictorial which allows operators to easily get to the information they need typically in less than three clicks.



Main Dashboard



Virtual Wall



Outrigger Configuration



Outstanding screen clarity

Operators have a crisp, clear viewing screen at all times. It's well lit and low glare which makes navigating this LMI even easier any time of day.

Boom Attachment Configuration



Accessories



Information/Diagnostics



True on-board diagnostics

These advanced diagnostics can even solve an issue down to the wire number. Having critical diagnostic data when you need it means technicians save time problem solving and move right to the solution.

Adjustable steering wheel for driving and controlling, modular control panels, and smart user interface deliver intuitive and highly efficient control.



HYDRAULIC SYSTEM

The SRA 1200A has a six section, full power telescopic boom. The boom extends and retracts sequentially by single cylinder with pin interlocking.

Superstructure

The SRA1200A has an open-type electronically controlled load-sensing system and dynamic swing brake system.

With the dynamic swing brake, the crane can realize precise control of the swing speed.

The electro-proportional, compensated, passive luffing-down system is applied to control the luffing speed, making luffing more reliable and stable.

Ensuring easy operation, it has an electronically controlled load-sensing hydraulic system, electronic joystick and electronic throttle.

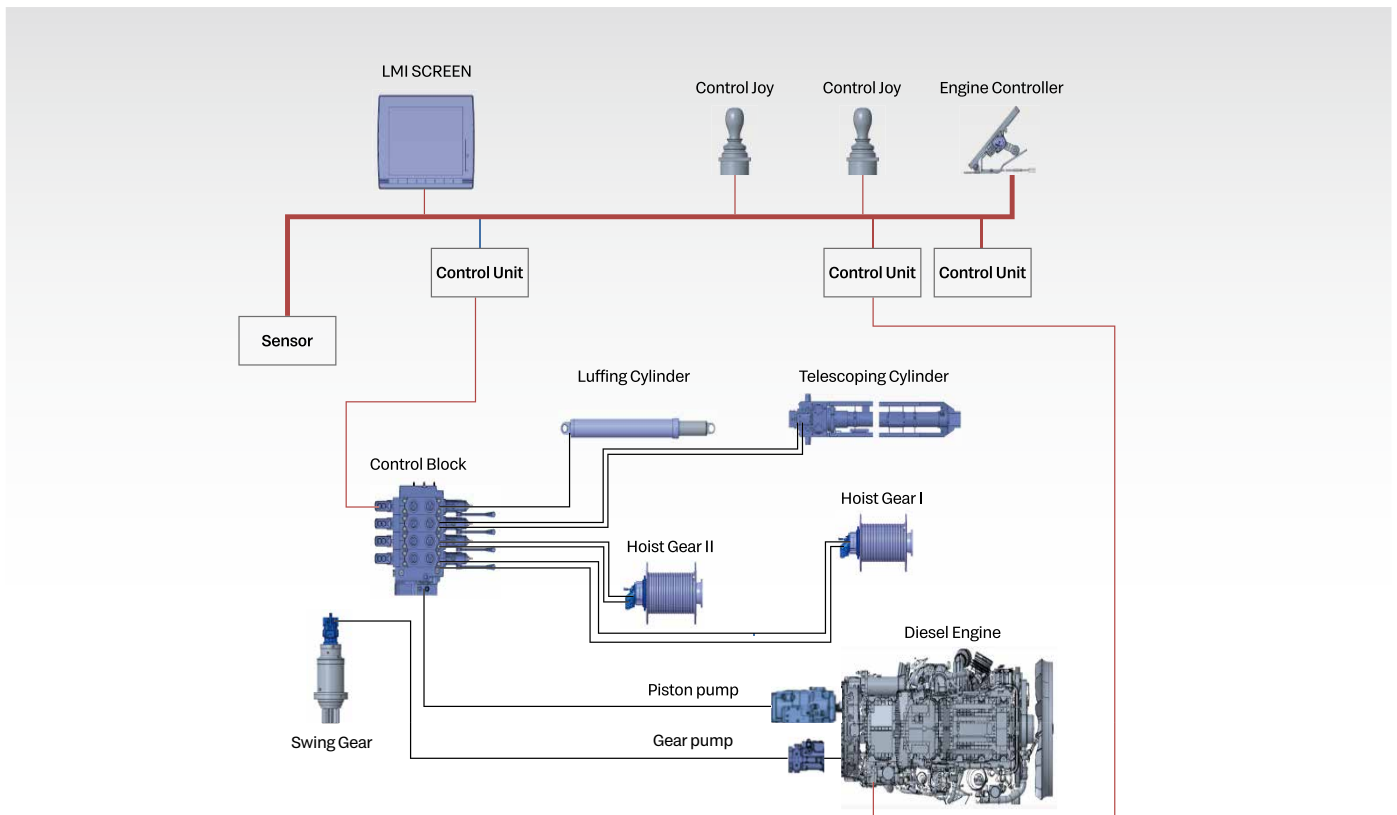
Chassis steering system

A gear pump is installed to supply oil for hydraulic steering. The steering pressure is controlled by an electro-proportional relief valve. The four steering modes are controlled by multiple solenoid directional valves.



Outrigger telescoping system

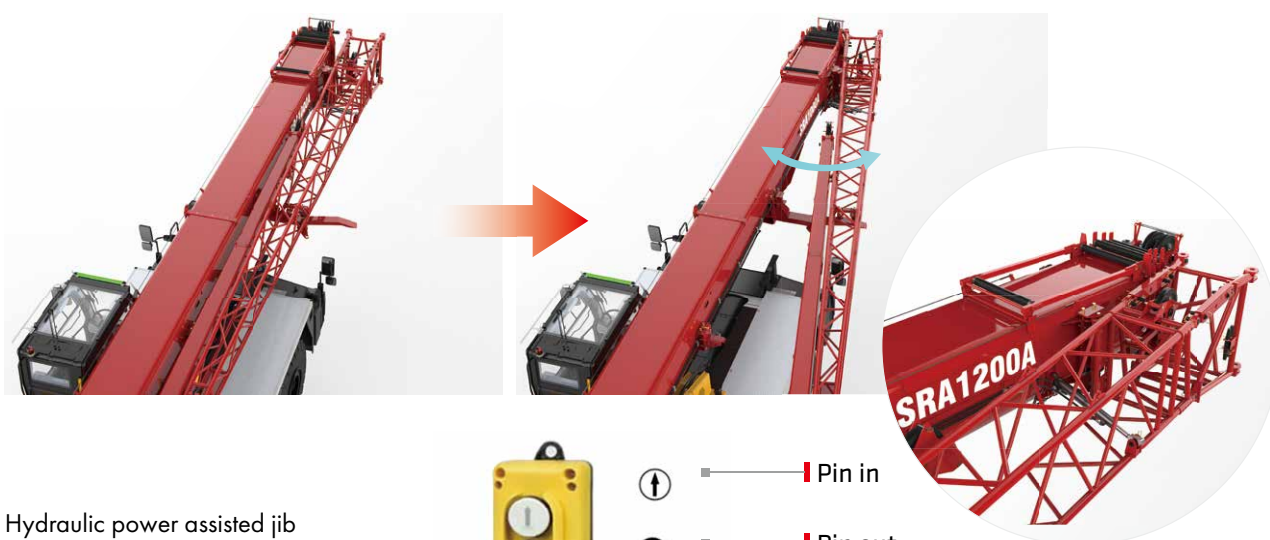
This user friendly system with a single finger control pad has built-in outrigger position sensing with real time position on the LMI screen. The electro proportional relief valve identifies pressure staging of outrigger telescoping, satisfying operation requirements under high pressure and forming protection under limited pressure.



SYSTEMS, FEATURES & TRUSTED COMPONENTS

The smooth operation and reliability of our cranes is in part due to the seamless design integration of our different component systems. We followed that up with on-board diagnostics to show electrical inputs/outputs, hydraulic pressure readings, and multiple CAN-BUS modules for problem isolation.

JIB SETUP VIA REMOTE CONTROL

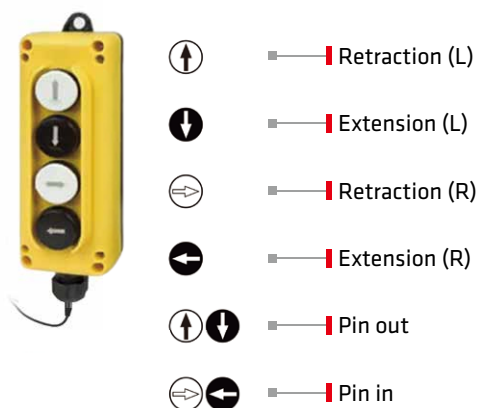


Hydraulic power assisted jib deployment can be handled by one person with the use of remote controller.

The fly jib gives the crane an extra tip height of 244.4 feet.

Remote controller

The counterweight is mounted and dismounted by two asymmetrically placed cylinders via remote control, ensuring the center of gravity rearward located to increase work stability.



ELECTRICAL SYSTEM

Smart CAN-BUS communication system

International advanced CAN-BUS data communication network applied for display, instrument panel, I/O module, joysticks and main sensors, allowing for high-speed data transmission and quick response in less than 20ms.

Cabling

Centralized electric cabinet and heavy-duty connector applied for cabling of superstructure, convenient for maintenance; IP rating up to 67, ensuring high reliability.

Winch camera

Winch cameras equipped for monitoring its working condition and identifying rope disorder in time.

Integrated bus button panel input

Various operating states displayed by button indicator lights, and one-button multi-functional operation realizable by writing various operation modes.



Centralized
electric
cabinet



Anti-two-block
limit switch



Third wrap
indicator



Cable reel



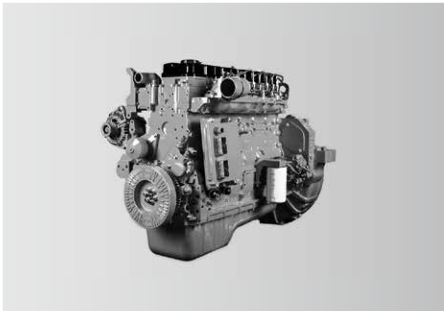
Anemometer

CARRIER FRAME



Inverted trapezoidal variable cross section frame is 5% less in weight and 10% stronger in rigidity.

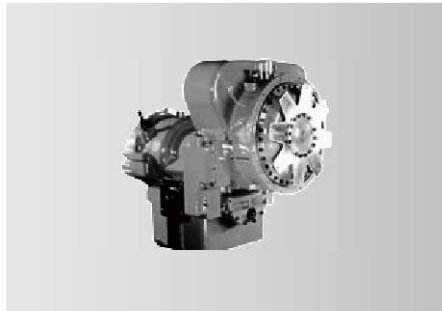
POWER TRAIN



Engine

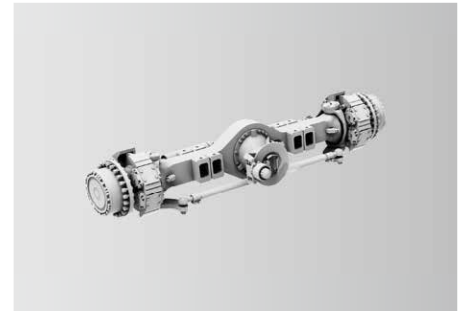
Power comes from a US Cummins B6.7 in-line six-cylinder water-cooled, turbocharged and intercooled off-highway diesel engine, complying with Stage V emission standard.

Rated power: 280 hp/2,200 rpm
Max. torque: 950 lb-ft/1,500 rpm



Transmission

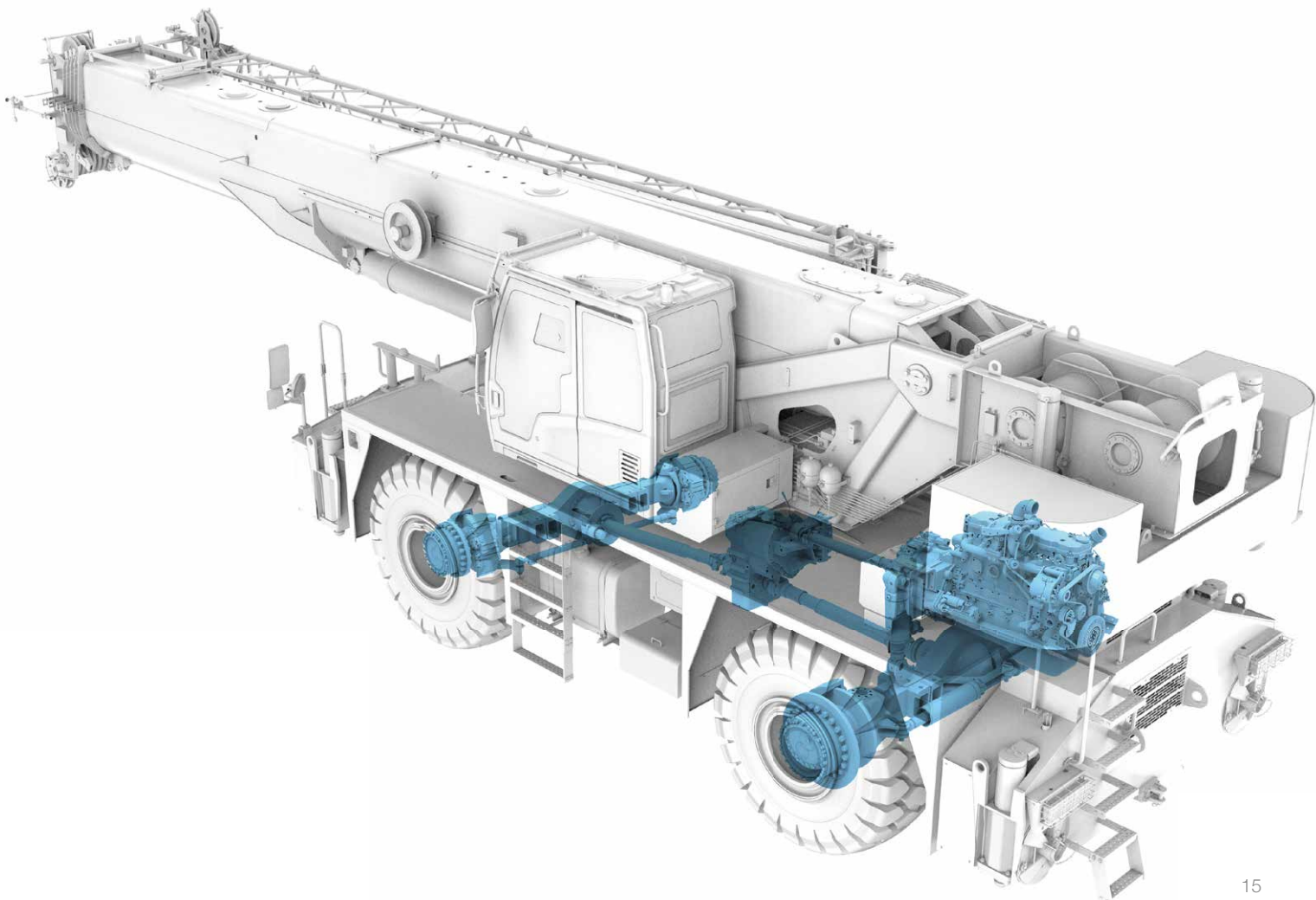
Dana electronically controlled automatic transmission features 6 speeds forward and 6 speeds reverse, wide ratio range, and smooth gearshift with hill hold feature.



Axle and suspension

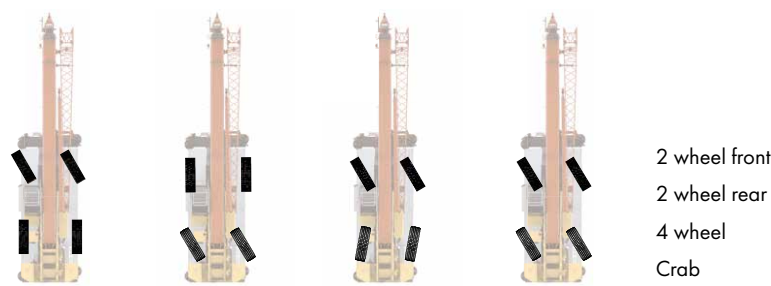
Both Kessler axles are driven and steered. The front axle is rigid mounted to the carrier frame and the rear adopts oscillation cylinders with hydraulic lockout.

Driving comfort and lateral stability is therefore guaranteed on rough terrains.



CONVENIENT TRANSPORT

Four steering modes:



Steering control panel

One-Trailer Transport

Base unit transports under 100,000 lbs minus counterweight and hook blocks.
Overall transport height 12.6 ft, width 11.0 ft.

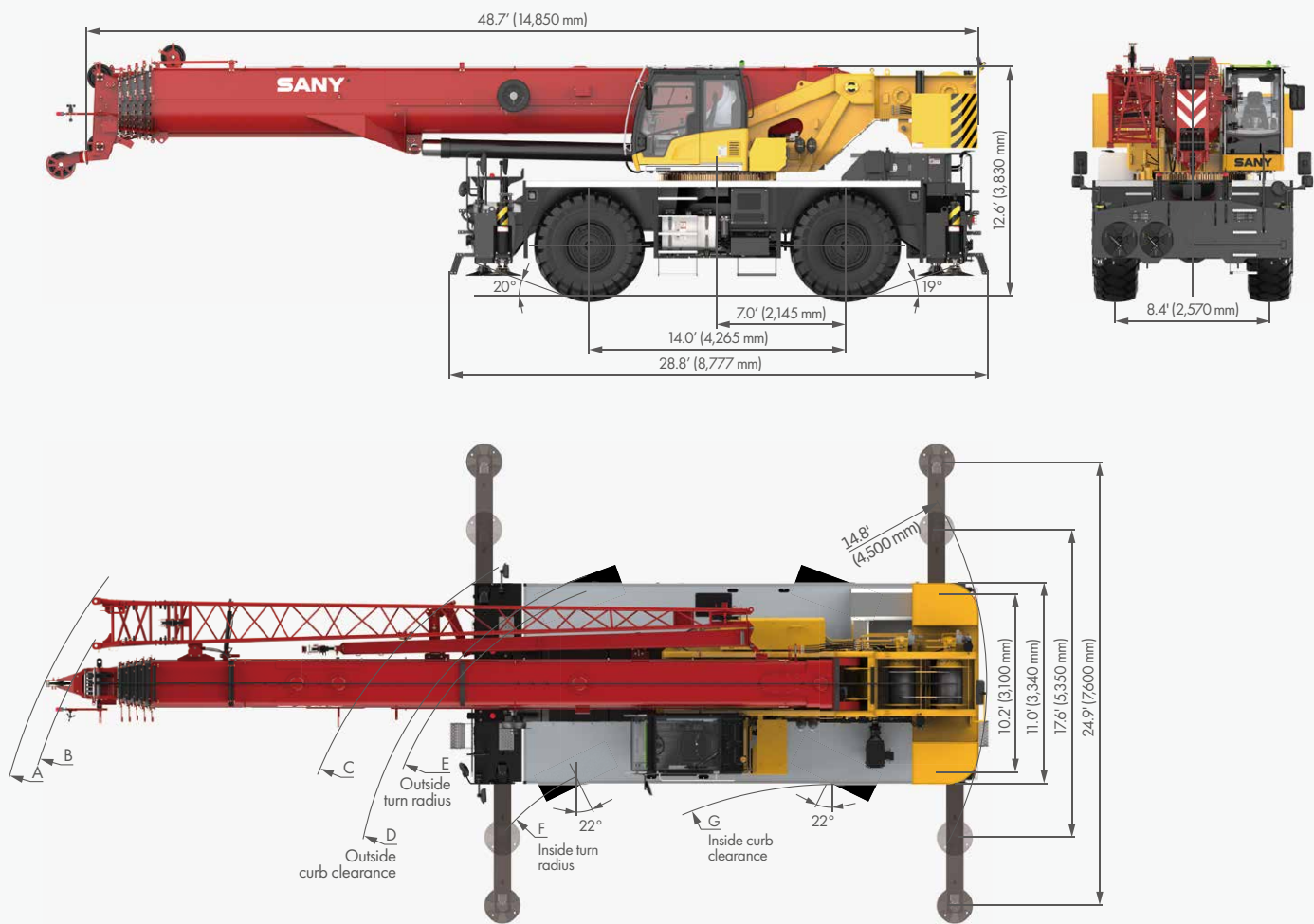


Axle Load Distribution

Items		IN POUND			IN KG		
		GVW	Front	Rear	GVW	Front	Rear
Base unit with auxiliary hoist and wire rope		129,400	64,484	64,925	58,700	29,250	29,450
Remove	Counterweight	-29,800	11,326	-41,087	-13,500	5,140	-18,640
	Bi-fold fly jib	-2,687	-6,283	3,595	-1,220	-2,850	1,630
	Auxiliary lifting sheave	-101	-462	360	-46	-210	164
	60 USt hook block	-1,230	-3,541	2,311	-558	-1,600	1,042
	8 USt hook ball	-320	-928	609	-145	-420	275

TRANSPORT, DIMENSIONS AND TECHNICAL SPECS

OVERALL DIMENSIONS



TWO-WHEEL STEER	A	B	C	D	E	F	G
	60.7'	58.7'	49.9'	47.6'	46.6'	38.4'	34.5'
FOUR-WHEEL STEER	A	B	C	D	E	F	G
	42.0'	40.7'	29.2'	26.6'	25.6'	17.4'	15.1'

TECHNICAL SPECIFICATIONS

CATEGORY	ITEM		UNIT	VALUE
CAPACITY	Max. lifting capacity		USr (Mt)	120 (110)
WEIGHT	Gross weight		lbs (kg)	129,400 (58,700)
POWER	Engine model		-	B6.7 (Stage V)
	Max. engine power		hp (kW)/rpm	280 (209)/2,200
	Max. engine torque		lb·ft (N·m)/rpm	950 (1,288)/1,500
DIMENSIONS	Overall length		ft (mm)	48.7 (14,850)
	Overall width		ft (mm)	11.0 (3,340)
	Overall height		ft (mm)	12.6 (3,830)
TRAVEL	Max.travel speed		mph (km/h)	15.5 (25)
	Steering radius	Min.steering radius	ft (m)	25.6 (7.8)
		Min.steering radius of boom tip	ft (m)	46.6 (14.2)
	Wheel formula		-	2 wheel/4 wheel
	Min.ground clearance		in (mm)	1.7 (530)
	Approach angle		°	20
	Departure angle		°	19
	Max.gradeability		-	75%
MAIN PERFORMANCE	Working temperature range		°F (°C)	-4~+114.8 (-20~+46)
	Min.rated lifting radius		ft (m)	8 (2.4)
	Tail swing radius		ft (m)	14.8 (4.5)
	No. of booms		-	6
	Boom shape		-	U shape
	Max.lifting moment	Basic boom	Klb·ft (kN·m)	2,054 (2,782)
		Full-extension boom	Klb·ft (kN·m)	1,092 (1,479)
		Full-extension boom+jib	Klb·ft (kN·m)	550 (745)
	Boom length	Basic boom	ft (m)	41.0 (12.5)
		Full-extension boom	ft (m)	183.7 (56)
		Full-extension boom + jib	ft (m)	242.8 (74)
	Max.tip height	Basic boom	ft (m)	44.3 (13.5)
		Full-extension boom	ft (m)	185.4 (56.5)
		Full-extension boom + jib	ft (m)	244.4 (74.5)
	Outrigger span (Longitudinal×Transverse)		ft×ft (m×m)	24.7×24.9 (7.52×7.6)
	Jib offset		°	0, 20, 40
Air conditioner	In operator's cab		-	Heating & Cooling

In the interest of continual equipment development, SANY America Inc. reserves the right to change these specifications at any time without prior notification.

TECHNICAL PARAMETERS



Hook

Capacity / USt (Mt)	Number of sheaves	Parts of line	Hook weight /lbs (kg)
60 (55)	3	6	1,230 (558)
8 (7)	-	1	320 (145)



Operations

Item		Max.single rope lifting speed (empty load)	Rope diameter/length	Max. single line pull
Main winch		476 ft/min (145 m / min)	Φ 0.75 in (Φ19 mm) / 820 ft (250 m)	15,500 lbs (7,030 kg)
Auxiliary winch		476 ft/min (145 m / min)	Φ 0.75 in (Φ19 mm) / 476 ft (145 m)	15,500 lbs (7,030 kg)
Swing speed		1.8 r / min		
Full luffing up/down time of boom		70 s / 72 s		
Full extension/retraction time of boom		340 s / 350 s		
Outrigger beam	Extension	18 s		
	Retraction	10 s		
Outrigger jack	Extension	32 s		
	Retraction	33 s		



Hoist Performance

Wire Rope Layer	Hoist line pulls		Drum capacity (ft)	
	Two speed hoist			
	Low	High	Layer	Total
	Available (lb)	Available (lb)		
1	23,900	9,700	131	131
2	21,900	8,900	142	273
3	20,200	8,300	152	425
4	18,800	7,700	162	587
5	17,600	7,200	172	759
6	16,500	6,700	182	941

In the interest of continual equipment development, SANY America Inc. reserves the right to change these specifications at any time without prior notification.

CRANE INTRODUCTION

Frame

- Turntable and carrier frame are made of fine grained high strength steel, with anti-torsion large cross-section, featuring heavy load-bearing capacity.

Outrigger

- 4 outriggers, H-type arrangement, controlled by electrically and hydraulically and located at both sides of chassis frame.

Engine

- US Cummins, inline six-cylinder water-cooled compression ignition diesel engine, rated power 280 hp / 2,200 rpm, max. torque 950 lb-ft / 1,500 rpm, off-road Stage V emission standards.
- Fuel tank capacity: Approx. 92.5 gal.

Hydraulic System

- The constant variable displacement pump is connected to the transmission through PTO for controlling the operation of crane.

Gearbox

- Automatic transmission from DANA Belgium, with 6 forward and 6 reverse gears available.

Axles

- With both front axle and rear axle for driving and steering.

Suspension

- Front axle is connected with frame rigidly; hydraulic suspension is used for rear axle. Road shock is buffered and travel smoothness is improved when driving on roads. The rear suspension cylinder may be locked to rigid state so as to meet the requirement for travel with a load suspended.

Tires

- 4 tires, each axle is equipped with single tire.
- Tire specifications: 29.5-25.

Steering

- Four modes: Two wheel front, four wheel, crab, two wheel rear.

Brakes

- Service brake: dual-circuit hydraulic disc brake, acting on all wheels.
- Parking brake: Front wheels.

Main Winch System

- Driven by a hydraulic motor, with built-in planetary gear reducer, constantly closed brake and Φ 0.75 in (19 mm) rotation-resistant wire rope equipped, high speed and low speed mode available.

Swing System

- Single-row four-point ball contact swing ring, driven by hydraulic motor through planetary gear reducer and with built-in constantly closed brake, for 360° continuous rotation at both directions.

Boom

- 1 basic boom and 5 telescoping sections, U-shape cross section welding structure. Single cylinder with pin interlocking mechanism is for sequential telescoping.
- 6 sheaves on boom head are standard.
- Boom length: 41.0 ft (12.5 m) ~ 183.7 ft (56 m).

Safety Devices

- Hydraulic balance valve, hydraulic relief valve, hydraulic two-way valve and LMI.
- Third-wrap indicator is equipped for both winches to prevent rope over-releasing. Anti-two block limit switch is fitted on the boom head to prevent rope over-winding.

Counterweight

- Removable counterweight, total weight is 29,760 lbs (13.5 t).

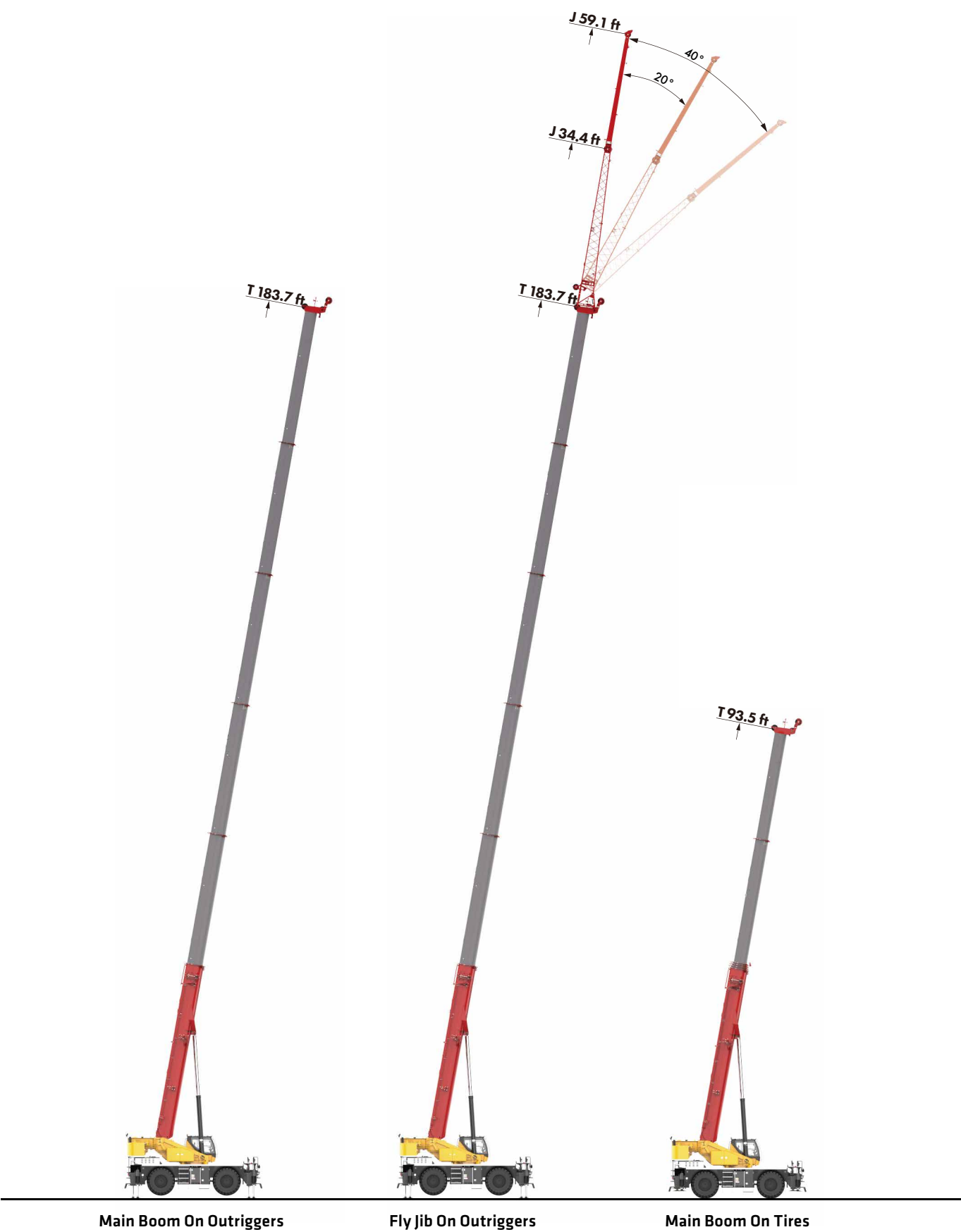
Electrical System

- DC 24 volts are in series with two 12-volt battery packs.

Optional Equipment at Extra Fees

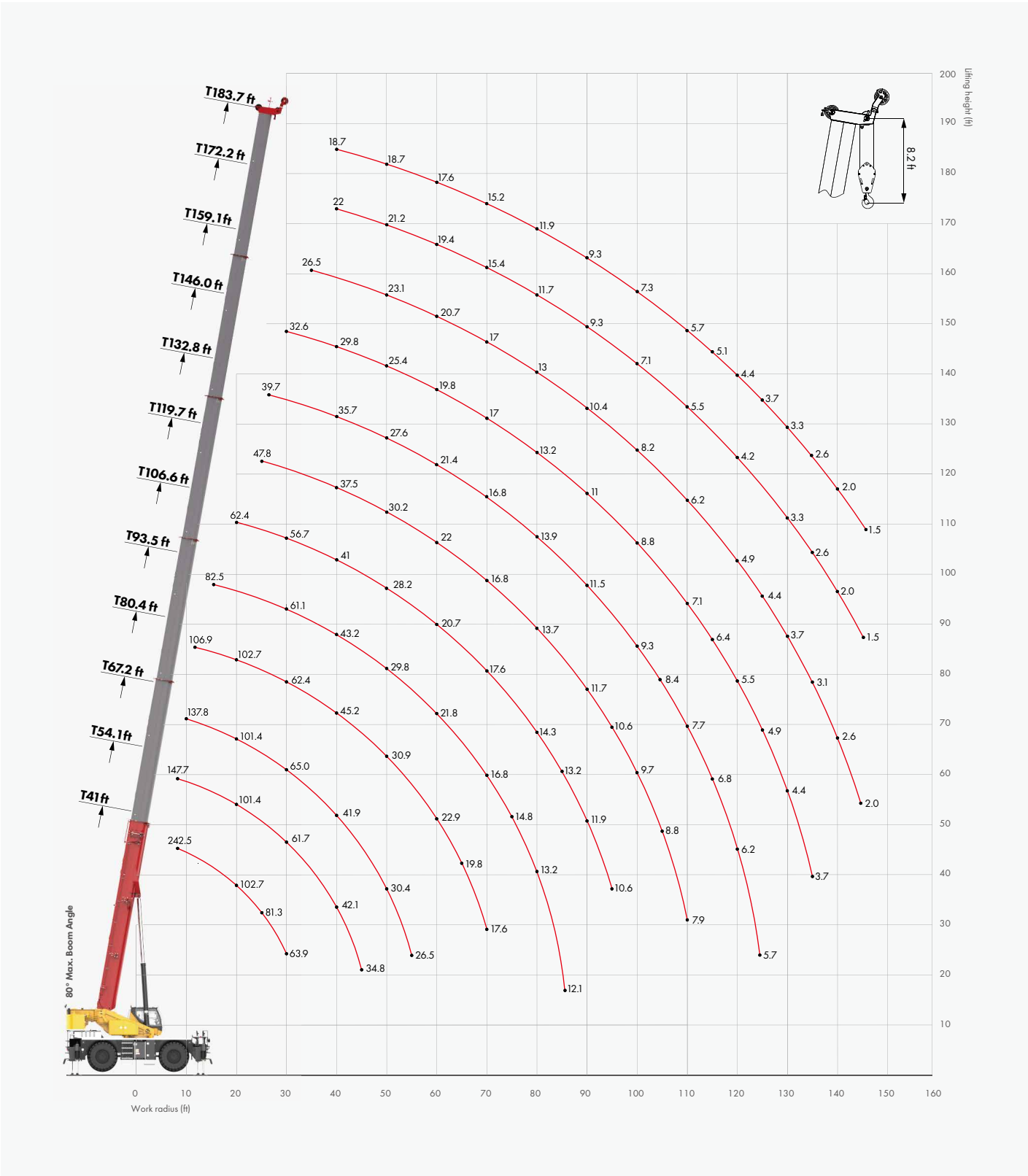
- Boom tip camera / Spark arrester / Air intake shutoff valve / Special front towing device / Inflator.

BOOM & JIB COMBINATIONS

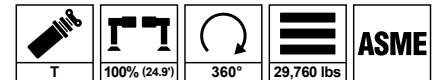


WORKING RANGE DIAGRAM – Main Boom

Lifting capacities in klb



LOAD CHARTS – Main Boom, On 100% Outriggers, 360°



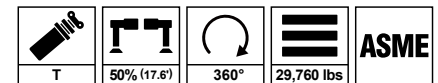
Unit: lbs

 ft	41.0' (12.5 m)	54.1' (16.5 m)	54.1' (16.5 m)	67.2' (20.5 m)	67.2' (20.5 m)	67.2' (20.5 m)	67.2' (20.5 m)	80.4' (24.5 m)	80.4' (24.5 m)	80.4' (24.5 m)	80.4' (24.5 m)	 ft
8	242,500	147,700	79,400									8
10	180,800	147,700	79,400	137,800	113,500	79,400	65,000					10
12	160,100	145,500	79,400	130,100	113,500	79,400	61,700	106,300	106,900	79,400	62,800	12
15	134,500	133,400	77,200	120,100	113,500	79,400	55,800	100,300	106,900	79,400	56,900	15
20	102,700	101,400	67,200	100,300	101,400	70,500	47,200	85,100	102,700	74,100	48,900	20
25	81,300	79,400	60,000	78,900	79,400	63,100	41,700	71,200	79,100	66,800	43,000	25
30	63,900	61,700	53,600	61,700	65,000	57,300	37,000	60,600	62,400	61,300	37,700	30
35		46,700	48,900	47,400	50,000	50,700	32,800	46,700	49,600	52,900	33,700	35
40		36,600	42,100	37,500	39,700	41,900	29,500	37,000	39,200	45,200	30,900	40
45		29,300	34,800	29,100	31,300	35,900	27,600	29,800	31,700	36,400	27,600	45
50				23,600	25,600	30,400	25,400	24,300	26,700	30,900	25,400	50
55				18,700	21,400	26,500	23,800	20,300	22,700	26,500	23,100	55
60								17,200	19,400	22,900	21,200	60
65								14,300	16,800	19,800	19,400	65
70								12,100	14,300	17,400	17,600	70
 C _n	16	10	6	10	8	6	5	8	8	6	5	 C _n
 %	2# 0	46	0	92	46	0	0	92	46	0	0	2#
	3# 0	0	0	0	46	0	0	46	46	0	0	3#
	4# 0	0	0	0	0	0	0	0	46	46	0	4#
	5# 0	0	0	0	0	46	0	0	0	46	46	5#
	6# 0	0	46	0	0	46	92	0	0	46	92	6#
 Min	0	0	0	0	0	0	0	0	0	0	0	 Min
 lbs	44,100	22,000	26,500	12,100	13,200	17,600	16,500	8,800	9,900	12,100	13,200	 lbs
 Max	80	80	80	80	80	80	80	80	80	80	80	 Max

 ft	93.5' (28.5 m)	93.5' (28.5 m)	93.5' (28.5 m)	106.6' (32.5 m)	106.6' (32.5 m)	106.6' (32.5 m)	119.7' (36.5 m)	119.7' (36.5 m)	119.7' (36.5 m)	132.8' (40.5 m)	132.8' (40.5 m)	132.8' (40.5 m)	146.0' (44.5 m)	146.0' (44.5 m)	146.0' (44.5 m)	159.1' (48.5 m)	159.1' (48.5 m)	172.2' (52.5 m)	183.7' (56.0 m)	 ft
15	82,500	72,800	49,600																	15
20	73,900	71,600	43,000	62,400	59,500	43,400														20
25	64,400	66,600	38,400	56,900	58,900	39,000	47,800	42,300	34,000	39,700	33,100	32,000								25
30	56,000	61,100	33,500	51,800	56,700	35,500	45,900	42,100	31,100	39,700	33,100	30,200	32,600	28,200	27,300					30
35	47,600	53,100	29,100	45,200	51,800	31,700	41,000	40,300	28,200	37,900	32,400	28,200	31,700	27,300	26,700	26,500	23,800	22,000		35
40	37,900	43,200	25,800	38,600	41,000	28,900	36,800	37,500	26,000	35,700	29,800	26,200	29,800	25,800	25,100	26,500	23,800	22,000	18,700	40
45	30,400	35,500	23,100	32,000	33,500	26,500	32,400	34,600	23,800	31,500	28,200	24,300	27,300	24,000	23,800	25,400	23,800	21,600	18,700	45
50	24,900	29,800	21,200	26,200	28,200	24,500	28,000	30,200	21,800	27,600	26,900	22,000	25,400	22,700	22,500	24,300	23,100	21,200	18,700	50
55	20,700	25,600	19,400	21,800	23,800	22,500	23,800	25,600	20,300	23,100	24,300	20,500	22,500	21,400	20,900	23,100	22,000	20,500	18,300	55
60	17,400	21,800	18,100	18,500	20,700	20,700	20,300	22,000	18,500	19,600	21,400	19,000	18,700	19,800	19,400	20,700	20,700	19,400	17,600	60
65	14,800	19,000	17,000	15,900	17,900	19,400	17,400	19,200	17,200	16,500	18,500	17,600	16,500	19,200	18,100	17,900	19,400	17,900	16,800	65
70	12,600	16,800	15,400	13,700	15,400	17,600	14,800	16,800	16,100	14,300	16,300	16,800	14,300	17,000	16,500	15,400	17,000	15,400	15,200	70
75	11,000	14,800	14,300	11,700	13,900	16,100	12,800	14,800	15,000	12,300	14,300	15,400	12,600	15,000	14,800	13,400	14,800	13,200	13,400	75
80	9,300	13,200	13,200	10,100	12,100	14,300	11,000	13,000	13,700	10,800	12,800	13,900	11,000	13,200	13,200	11,700	13,000	11,700	11,900	80
85	7,700	11,900	12,100	8,800	10,800	13,200	9,700	11,500	12,600	9,300	11,500	12,600	9,700	11,900	12,100	10,400	11,700	10,400	10,600	85
90				7,500	9,500	11,900	8,400	9,900	11,700	8,200	10,100	11,500	8,400	10,800	11,000	9,000	10,400	9,300	9,300	90
95				6,400	8,200	10,600	7,300	8,800	10,600	7,100	9,000	10,100	7,300	9,700	9,900	7,900	9,300	8,200	8,200	95
100							6,400	7,900	9,700	6,200	8,200	9,300	6,400	8,600	8,800	6,800	8,200	7,100	7,300	100
105							5,500	7,100	8,800	5,100	7,300	8,400	5,700	7,500	7,700	6,000	7,300	6,200	6,400	105
110							4,400	6,400	7,900	4,400	6,400	7,700	4,600	6,800	7,100	5,300	6,200	5,500	5,700	110
115										3,500	5,700	6,800	3,700	6,200	6,400	4,400	5,500	4,900	5,100	115
120										2,600	5,300	6,200	3,100	5,300	5,500	3,500	4,900	4,200	4,400	120
125											4,900	5,700	2,400	4,600	4,900	2,900	4,400	3,700	3,700	125
130													2,000	4,200	4,400	2,400	3,700	3,300	3,300	130
135														3,500	3,700	2,000	3,100	2,600	2,600	135
140																	2,600	2,000	2,000	140
145																	2,000	1,500	1,500	145
 C _n	6	5	4	5	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	 C _n
 %	2# 92	0	0	92	46	0	92	46	0	92	46	0	92	46	0	92	46	92	100	2#
	3# 46	46	0	46	46	0	46	46	0	92	46	46	92	46	92	92	92	92	100	3#
	4# 46	46	0	46	46	46	46	46	92	46	46	92	92	92	92	92	92	92	100	4#
	5# 0	46	92	46	46	46	46	46	92	46	92	92	46	92	92	92	92	92	100	5#
	6# 0	46	92	0	46	92	46	92	92	46	92	92	46	92	92	46	92	92	100	6#
 Min	0	0	0	0	0	0	0	0	0	0	0	0	19	0	0	26	16	27	34	 Min
 lbs	8,800	8,800	9,900	4,400	5,500	7,700	2,600	4,400	5,500	1,800	3,300	4,400	1,100	2,200	2,600	1,100	1,100	1,100	1,100	 lbs
 Max	80	80	80	80	80	80	80	80	80	80	80	80	80	80	80	80	80	80	80	 Max

Remark: Capacity marked by * requires additional equipment.

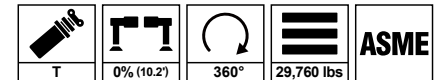
LOAD CHARTS – Main Boom, On 50% Outriggers, 360°



Unit: lbs

 ft	41.0' (12.5 m)	54.1' (16.5 m)	67.2' (20.5 m)	80.4' (24.5 m)	93.5' (28.5 m)	106.6' (32.5 m)	119.7' (36.5 m)	132.8' (40.5 m)	132.8' (40.5 m)	146.0' (44.5 m)	146.0' (44.5 m)	159.1' (48.5 m)	172.2' (52.5 m)	183.7' (56.0 m)	 ft
10	165,300	77,200	77,200												10
12	149,900	77,200	77,200	77,200											12
15	119,000	75,000	77,200	77,200	70,500										15
20	69,400	63,900	68,300	70,500	68,300	57,300									20
25	55,100	50,700	55,100	59,500	57,300	48,500	39,700								25
30	38,600	38,600	44,100	44,100	41,900	39,700	35,300	36,400	27,600	29,800	24,300				30
35		30,900	34,400	34,200	32,000	30,900	26,900	29,800	25,400	27,600	24,300	20,900	19,800		35
40		25,400	27,600	27,600	26,500	24,300	22,000	24,300	23,100	22,900	22,000	20,900	19,800	16,500	40
45		19,400	21,400	22,000	20,900	19,200	17,400	19,400	19,600	18,500	19,800	18,700	18,700	15,400	45
50			18,300	18,700	17,600	15,900	14,300	15,900	17,000	15,200	16,500	15,700	16,500	14,300	50
55			15,400	15,900	15,000	13,400	11,900	12,800	14,300	12,600	14,300	13,200	13,900	13,200	55
60				12,300	12,800	11,200	9,900	10,400	12,600	10,100	12,300	11,500	11,700	11,500	60
65				10,100	10,800	9,000	8,200	8,600	10,600	8,400	11,000	10,100	10,100	9,900	65
70				7,900	9,000	7,700	6,800	7,100	9,300	7,100	9,700	8,800	8,400	8,400	70
75					7,700	6,600	5,700	6,000	8,200	6,000	8,400	7,700	7,100	7,100	75
80					6,400	5,500	4,900	4,900	7,100	4,900	7,300	6,600	6,000	6,000	80
85					5,100	4,600	3,700	3,500	6,200	3,700	6,400	5,700	4,900	5,100	85
90						3,700	2,600		5,300	3,100	5,500	4,900	3,700	4,200	90
95									4,600		4,600	3,700	2,900	3,300	95
100									3,700		3,700	3,100			100
105									3,100		2,900				105
 Σ_n	12	6	6	6	6	5	4	4	4	4	4	4	4	4	 Σ_n
	2#	0	0	0	0	46	92	92	0	92	0	46	92	100	2#
	3#	0	0	0	0	46	46	46	92	46	92	92	92	100	3#
	4#	0	0	0	46	46	46	46	46	92	92	92	92	100	4# 
	5#	0	0	46	46	46	46	46	46	92	46	92	92	100	5#
	6#	0	46	46	46	46	46	46	46	92	46	92	92	100	6#
	0	0	0	0	0	23	35	45	32	47	39	47	53	56	
 Min 	22,000	14,300	11,000	5,500	4,000	2,200	1,800	1,800	1,800	1,800	1,800	1,800	1,800	1,800	 Min 
 Max	80	80	80	80	80	80	80	80	80	80	80	80	80	80	 Max

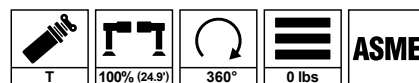
LOAD CHARTS – Main Boom, On 0% Outriggers, 360°



Unit: lbs

 ft	41.0' (12.5 m)	54.1' (16.5 m)	67.2' (20.5 m)	80.4' (24.5 m)	93.5' (28.5 m)	106.6' (32.5 m)	119.7' (36.5 m)	132.8' (40.5 m)	132.8' (40.5 m)	146.0' (44.5 m)	146.0' (44.5 m)	159.1' (48.5 m)	172.2' (52.5 m)	183.7' (56.0 m)	 ft
20	36,400														20
25	27,600	28,200	28,200	27,600	25,400	26,500	24,300								25
30	18,700	22,000	22,000	20,900	21,600	20,900	19,600	19,800	22,000	18,700	20,900				30
35		15,700	17,000	16,300	16,500	16,500	15,000	15,000	17,000	15,400	17,200	15,400	15,000		35
40		12,800	13,400	13,000	13,000	13,200	11,700	11,500	13,700	12,100	13,700	12,300	12,800	12,100	40
45		9,900	11,500	10,600	11,000	10,400	9,500	9,500	11,700	10,100	11,500	10,400	10,600	9,900	45
50			9,300	8,400	9,000	8,400	7,300	7,300	9,500	8,200	9,500	8,800	8,400	8,200	50
55			7,500	7,100	7,300	6,600	5,500	5,700	7,700	6,200	7,700	7,300	6,600	6,600	55
60				5,700	5,700	4,900	4,200	4,200	6,400	4,600	6,400	5,700	5,100	5,300	60
65				4,400	4,400	4,000	2,900	2,900	5,300	3,300	5,300	4,400	4,200	4,200	65
70				3,100	3,100	2,900			4,200		4,200	3,100	2,900	3,100	70
75									3,100		3,100				75
 C _n	4	4	4	4	4	4	4	4	4	4	4	4	4	4	 C _n
 %	2#	0	0	0	0	46	92	92	0	92	0	46	92	100	2#
	3#	0	0	0	0	46	46	46	92	46	92	92	92	100	3#
	4#	0	0	0	46	46	46	46	46	92	92	92	92	100	4#
	5#	0	0	46	46	46	46	46	46	92	46	92	92	100	5#
	6#	0	46	46	46	46	46	46	92	46	92	92	92	100	6#
 Min	0	0	0	16	34	43	52	56	51	59	55	60	63	65	 Min
 Min  lbs	8,800	6,600	4,400	1,800	1,800	1,800	1,800	1,800	1,800	1,800	1,800	1,800	1,800	1,800	 Min  lbs
 Max	61	63	66	71	74	77	79	80	80	80	80	80	80	80	 Max

LOAD CHARTS — Main Boom, On 100% Outriggers, 360°, 0 lb Counterweight



Unit: lbs

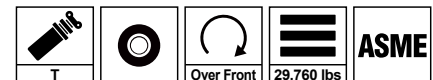
	41.0' (12.5 m)	54.1' (16.5 m)	67.2' (20.5 m)	80.4' (24.5 m)	93.5' (28.5 m)	
10	99,200	66,100	50,700			10
12	88,200	61,700	50,700	44,100		12
15	77,200	57,300	46,300	44,100	39,700	15
20	61,700	52,900	41,900	40,800	36,400	20
25	44,100	41,900	37,500	36,400	33,100	25
30	28,700	33,100	30,900	29,800	28,700	30
35		24,300	24,300	24,300	24,300	35
40		18,700	18,700	18,700	19,800	40
45		14,300	14,300	14,300	15,400	45
50			11,000	12,100	13,200	50
55			7,700	10,600	11,000	55
60				8,800	9,300	60
65				7,100	7,700	65
70				5,500	6,600	70
75					5,500	75
80					4,400	80
85					3,300	85
	7	5	4	4	4	
	2#	0	0	0	0	2#
	3#	0	0	0	0	3#
	4#	0	0	0	0	4#
	5#	0	0	46	92	5#
	6#	0	92	92	92	6#
	0	0	0	0	0	
	15,400	8,800	4,400	2,200	1,800	
	80	80	80	80	80	

Remark

1. Load capacity in the chart is the maximum weight which this crane could hoist include the hook block's weight.
2. Radius shown in the chart is the actual radius when loading.
3. The load capacity in the chart is the maximum weight when this crane is supported with the firm ground and stays in level.
4. Choose rated load capacity of the longer boom and radius when the actual boom length and radius are between two values in the charts.
5. The machine can be used only when the wind scale is less than 6.

LOAD CHARTS — Main Boom, Stationary, On Tires, Over Front Tires

Unit: lbs



	41.0' (12.5 m)	54.1' (16.5 m)	67.2' (20.5 m)	80.4' (24.5 m)	93.5' (28.5 m)	
15	48,500					15
20	37,000	39,200	39,700			20
25	28,700	31,300	31,700	32,200	33,100	25
30	20,900	24,300	25,400	26,500	27,300	30
35		18,500	20,300	20,500	21,400	35
40		14,300	15,900	16,500	17,200	40
45		11,000	12,800	13,200	13,900	45
50			10,400	11,000	11,200	50
55			8,400	9,000	9,300	55
60				7,300	7,700	60
65				6,200	6,600	65
70				4,600	5,500	70
75					4,400	75
80					3,500	80
85					2,600	85
	4	4	4	4	4	
	2#	0	0	0	0	2#
	3#	0	0	0	0	3#
	4#	0	0	0	0	4#
	5#	0	0	0	46	5#
	6#	0	46	92	92	6#
	0	0	0	0	0	
	11,000	7,700	4,400	2,200	1,800	
	72	73	74	75	77	

LOAD CHARTS — Main Boom, Stationary, On Tires, 360°

Unit: lbs



T





360°



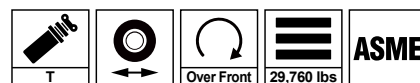
29,760 lbs



ASME

 ft	41.0' (12.5 m)	54.1' (16.5 m)	67.2' (20.5 m)	80.4' (24.5 m)	93.5' (28.5 m)	 ft
20	20,300					20
25	9,900	13,200				25
30	6,200	8,800	9,900	11,000		30
35		5,500	7,100	8,800	9,300	35
40		3,300	4,900	6,600	7,100	40
45			3,300	4,400	4,600	45
50				3,300	3,500	50
	4	4	4	4	4	
	2#	0	0	0	0	2#
	3#	0	0	0	0	3#
	4#	0	0	0	0	4#
	5#	0	0	0	46	5#
	6#	0	46	92	92	6#
	0	30	40	45	52	
	3,300	1,800	1,800	1,800	1,800	
	56	60	62	66	69	

LOAD CHARTS — Main Boom, Pick & Carry, On Tires, Over Front Tires



Unit: lbs

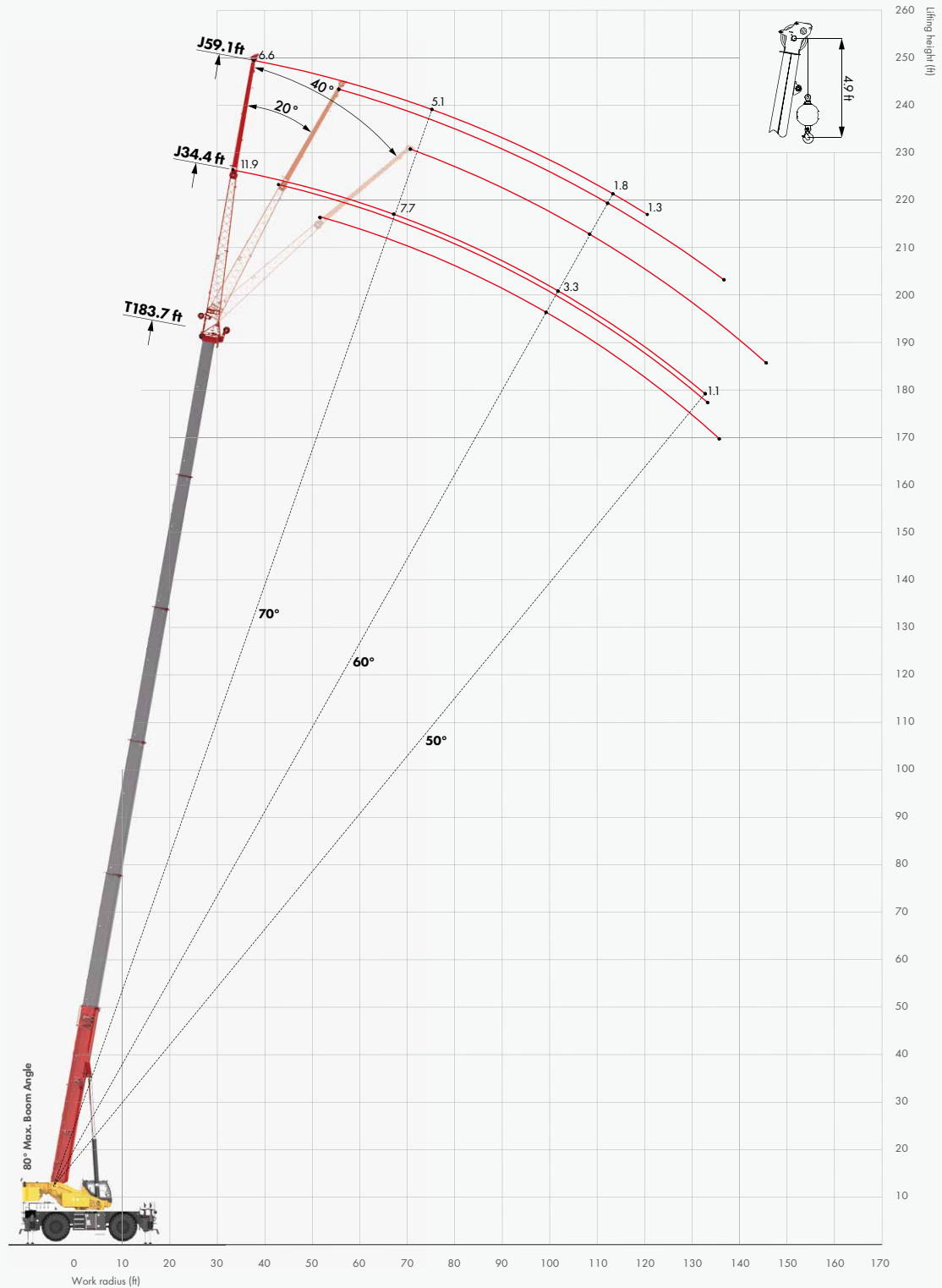
	41.0' (12.5 m)	54.1' (16.5 m)	67.2' (20.5 m)	80.4' (24.5 m)	93.5' (28.5 m)	
15	33,500					15
20	25,100	26,900	27,800			20
25	19,400	21,200	22,300	22,700	22,900	25
30	15,000	17,000	18,100	18,300	18,700	30
35		13,900	15,000	15,200	15,700	35
40		11,200	11,900	12,800	13,200	40
45		9,300	10,400	10,800	11,200	45
50			8,800	9,300	9,500	50
55			7,300	7,700	8,200	55
60				6,600	6,800	60
65				5,300	5,700	65
70				4,200	4,600	70
75					4,000	75
80					3,100	80
	4	4	4	4	4	
	2#	0	0	0	0	2#
	3#	0	0	0	0	3#
	4#	0	0	0	0	4#
	5#	0	0	0	46	5#
	6#	0	46	92	92	6#
	0	0	0	0	20	
	8,800	6,600	3,300	1,800	1,800	
	72	73	74	75	77	

Remark

1. Capacities are applicable at 80 psi (560 kPa) cold tire inflation pressure.
2. Capacities are applicable only with machine on firm level surface.
3. On tire lifting with the jib mounted is not permitted.
4. Axle lockouts must be applied when lifting on tires.
5. Parking brake must be applied when lifting on tires stationary.
6. Driving speed shall be less than 2.49 mph (4km/h) at pick & carry mode.

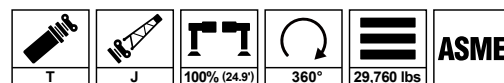
WORK RANGE DIAGRAM — Fly Jib

Lifting capacities in klb



LOAD CHARTS – Fly Jib

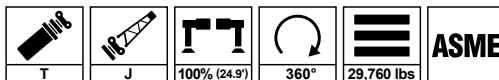
Unit: lbs



	106.7' (32.5m) boom + 34.4' (10.5m) jib						159.2' (48.5m) boom + 34.4' (10.5m) jib						
	0°		20°		40°		0°		20°		40°		
	R (ft)	W (lbs)	R (ft)	W (lbs)	R (ft)	W (lbs)	R (ft)	W (lbs)	R (ft)	W (lbs)	R (ft)	W (lbs)	
25.0	77.5	12,000											25.0
30.0	75.6	12,000											30.0
35.0	73.6	12,000	78.1	10,000									35.0
40.0	71.6	12,000	75.9	10,000			78.2	12,000					40.0
45.0	69.5	12,000	73.8	10,000	77.1	8,600	76.8	12,000					45.0
50.0	67.4	12,000	71.6	10,000	75.0	8,300	75.3	12,000	78.2	10,000			50.0
55.0	65.3	12,000	69.3	9,700	72.8	7,800	73.8	12,000	76.8	9,900			55.0
60.0	63.2	12,000	67.1	9,300	70.4	7,500	72.2	12,000	75.3	9,500	78.8	8,600	60.0
65.0	60.9	12,000	64.8	9,000	68.1	7,300	70.6	12,000	73.8	9,000	77.1	7,900	65.0
70.0	58.5	11,900	62.4	8,600	65.3	7,100	69.0	11,600	72.2	8,800	75.4	7,500	70.0
75.0	56.1	11,000	60.0	8,200	61.8	6,800	67.5	11,100	70.6	8,400	73.7	7,300	75.0
80.0	53.5	10,400	57.5	7,800	60.1	6,500	65.9	10,500	69.0	7,900	72.0	6,800	80.0
85.0	50.9	9,700	54.8	7,600	57.4	6,300	64.2	9,700	67.3	7,500	70.3	6,500	85.0
90.0	48.2	9,000	52.1	7,400	54.8	6,100	62.7	9,200	65.6	7,100	68.6	6,100	90.0
95.0	45.3	8,400	49.1	7,200	51.8	5,900	61.0	8,200	64.0	6,800	66.8	5,800	95.0
100.0	42.1	7,500	46.0	7,000	48.4	5,700	59.2	7,200	62.2	6,600	64.9	5,500	100.0
105.0	38.8	6,600	42.3	6,800	45.1	5,500	57.3	6,300	60.4	6,400	62.9	5,200	105.0
110.0	35.2	5,700	39.2	6,400	41.3	5,200	55.5	5,400	58.4	6,200	61.0	4,800	110.0
115.0	31.4	5,100	35.2	5,600			53.6	4,300	56.5	5,500	58.9	4,300	115.0
120.0	26.7	4,200	31.1	4,800			51.6	3,800	54.4	4,900	56.9	3,700	120.0
125.0	22.2	3,500	25.8	4,200			49.6	3,100	52.3	4,000	54.7	3,300	125.0
130.0	15.3	3,100					47.4	2,500	50.2	3,500	52.5	3,000	130.0
135.0							45.3	2,000	47.9	2,600	50.1	2,500	135.0
140.0							43.0	1,600	45.5	2,200	47.7	2,200	140.0
145.0							40.6	1,400	43.2	1,800	45.3	1,900	145.0
150.0							38.1	1,200	40.6	1,500	42.6	1,500	150.0
155.0									38.0	1,300			155.0
160.0									35.2	1,100			160.0
	1	1	1	1	1	1	1	1	1	1	1	1	
	2#	46	46	46	46	46	92	92	92	92	92	92	2#
	3#	46	46	46	46	46	92	92	92	92	92	92	3#
	4#	46	46	46	46	46	92	92	92	92	92	92	4#
	5#	46	46	46	46	46	92	92	92	92	92	92	5#
	6#	46	46	46	46	46	46	46	46	46	46	46	6#
	8.3	8.3	8.3	8.3	8.3	8.3	8.3	8.3	8.3	8.3	8.3	8.3	
	14	14	24	24	40	40	37	37	34	34	41	41	
	1700	1700	3300	3300	4000	4000	700	700	700	700	700	700	
	80	80	80	80	80	80	80	80	80	80	80	80	
	12,000	12,000	10,000	10,000	8,600	8,600	12,000	12,000	10,000	10,000	8,600	8,600	

LOAD CHARTS – Fly Jib

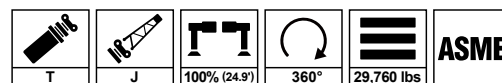
Unit: lbs



		172.3' (52.5m) boom + 34.4' (10.5m) jib						183.7' (56.0m) boom + 34.4' (10.5m) jib						
		0°		20°		40°		0°		20°		40°		
		R (ft)	W (lbs)	R (ft)	W (lbs)	R (ft)	W (lbs)	R (ft)	W (lbs)	R (ft)	W (lbs)	R (ft)	W (lbs)	
45.0		78.0	12,000					79.0	11,900					45.0
50.0		76.8	11,700					77.8	11,300					50.0
55.0		75.6	11,400	78.3	10,000			76.5	10,700	79.4	9,900			55.0
60.0		74.5	11,100	76.9	9,500			75.2	10,300	78.1	9,400			60.0
65.0		73.0	10,600	75.6	9,100	77.8	8,600	73.9	9,700	76.9	8,900	79.3	8,600	65.0
70.0		71.6	10,100	74.2	8,800	76.3	7,700	72.6	9,300	75.7	8,600	77.8	8,300	70.0
75.0		70.2	9,600	72.8	8,500	74.7	7,400	71.3	8,900	74.3	8,300	76.5	7,600	75.0
80.0		68.9	9,100	71.4	8,100	73.0	7,200	70.0	8,500	73.0	8,000	75.0	7,300	80.0
85.0		67.5	8,800	69.8	7,700	71.5	6,800	68.5	8,300	71.7	7,800	73.6	7,100	85.0
90.0		65.9	8,300	68.2	7,300	69.9	6,400	67.2	8,100	70.3	7,600	72.2	6,700	90.0
95.0		64.4	7,800	66.7	6,900	68.4	6,000	65.8	7,600	68.9	7,200	70.7	6,300	95.0
100.0		62.7	7,400	65.1	6,600	66.7	5,700	64.5	7,000	67.5	6,800	69.3	5,900	100.0
105.0		61.1	6,700	63.5	6,400	65.0	5,400	63.0	6,300	66.0	6,400	67.8	5,600	105.0
110.0		59.4	6,000	61.8	6,100	63.3	5,100	61.5	5,400	64.3	6,000	66.3	5,300	110.0
115.0		57.6	5,200	60.0	5,600	61.5	4,800	59.8	4,500	62.8	5,600	64.5	5,000	115.0
120.0		55.8	4,200	58.2	4,900	59.8	4,300	58.3	3,700	61.2	4,700	62.7	4,700	120.0
125.0		53.9	3,600	56.3	4,200	58.0	3,600	56.6	3,100	59.4	4,000	60.9	4,200	125.0
130.0		52.0	3,000	54.4	3,600	56.0	3,200	55.2	2,500	57.6	3,500	59.2	3,600	130.0
135.0		49.9	2,300	52.4	2,800	53.8	2,600	53.4	2,100	55.9	2,800	57.3	3,100	135.0
140.0		47.7	1,800	50.3	2,300	51.7	2,300	51.6	1,900	53.9	2,200	55.5	2,500	140.0
145.0		45.5	1,600	48.2	1,800	49.4	2,000	49.5	1,800	51.9	2,000	53.4	2,100	145.0
150.0		43.4	1,400	46.1	1,600	47.2	1,800	47.3	1,600	49.8	1,800	51.2	1,900	150.0
155.0		41.2	1,200	43.8	1,400	45.0	1,600	45.5	1,400	47.6	1,600	49.2	1,700	155.0
160.0				41.2	1,100	42.2	1,300	43.5	1,200	46.1	1,400	47.0	1,500	160.0
165.0				38.5	900					44.1	1,200	44.9	1,200	165.0
170.0										41.9	900	42.9	900	170.0
175.0														175.0
180.0														180.0
		1	1	1	1	1	1	1	1	1	1	1	1	
	2#	92	92	92	92	92	92	100	100	100	100	100	100	2#
	3#	92	92	92	92	92	92	100	100	100	100	100	100	3#
	4#	92	92	92	92	92	92	100	100	100	100	100	100	4#
	5#	92	92	92	92	92	92	100	100	100	100	100	100	5#
	6#	92	92	92	92	92	92	100	100	100	100	100	100	6#
		8.3	8.3	8.3	8.3	8.3	8.3	8.3	8.3	8.3	8.3	8.3	8.3	
		40	40	37	37	41	41	42	42	40	40	41	41	
		700	700	700	700	700	700	700	700	700	700	700	700	
		80	80	80	80	80	80	80	80	80	80	80	80	
		12,000	12,000	10,000	10,000	8,600	8,600	11,900	11,900	9,900	9,900	8,600	8,600	

LOAD CHARTS – Fly Jib

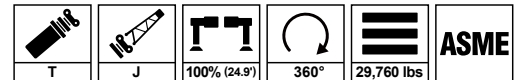
Unit: lbs



	106.7' (32.5m) boom + 59.1' (18m) jib						159.2' (48.5m) boom + 59.1' (18m) jib						
	0°		20°		40°		0°		20°		40°		
	R (ft)	W (lbs)	R (ft)	W (lbs)	R (ft)	W (lbs)	R (ft)	W (lbs)	R (ft)	W (lbs)	R (ft)	W (lbs)	
30.0	78.4	5,800											30.0
35.0	76.7	5,800											35.0
40.0	75.1	5,800											40.0
45.0	73.4	5,800					77.9	5,800					45.0
50.0	71.5	5,400	77.5	5,000			76.7	5,800					50.0
55.0	69.8	5,000	75.7	4,800			75.4	5,800					55.0
60.0	67.9	4,600	73.8	4,500			74.1	5,800					60.0
65.0	66.0	4,300	72.0	4,300	77.5	4,400	72.8	5,600	78.8	5,000			65.0
70.0	64.1	4,000	70.1	4,200	75.5	4,300	71.5	5,200	77.3	4,800			70.0
75.0	62.1	3,700	68.2	4,000	73.4	4,100	70.2	4,900	75.9	4,600			75.0
80.0	60.1	3,500	66.3	3,800	71.1	4,000	68.9	4,700	74.5	4,400	77.5	4,400	80.0
85.0	58.1	3,300	64.2	3,700	68.9	3,900	67.6	4,400	73.0	4,200	76.0	4,300	85.0
90.0	56.2	3,200	62.0	3,600	66.6	3,800	66.3	4,200	71.5	4,000	74.6	4,100	90.0
95.0	53.9	3,000	59.8	3,500	64.2	3,700	64.7	4,000	70.0	3,900	73.0	4,000	95.0
100.0	51.5	2,900	57.5	3,400	61.7	3,600	63.3	3,800	68.5	3,700	71.4	3,800	100.0
105.0	49.1	2,700	55.0	3,300	59.1	3,400	61.7	3,600	67.0	3,500	69.9	3,600	105.0
110.0	46.6	2,600	52.6	3,200	56.7	3,200	60.2	3,300	65.4	3,400	68.3	3,400	110.0
115.0	44.2	2,500	50.1	3,100	53.9	3,100	58.6	3,000	63.8	3,300	66.7	3,300	115.0
120.0	41.4	2,400	47.4	3,000	51.1	2,900	57.0	2,800	62.2	3,200	65.0	3,100	120.0
125.0	39.0	2,300	44.5	2,900	47.9	2,800	55.4	2,600	60.5	3,000	63.3	3,000	125.0
130.0	36.4	2,200	41.4	2,800	44.4	2,700	53.7	2,400	58.8	2,700	61.5	2,800	130.0
135.0	33.2	2,100	38.2	2,800	40.3	2,600	52.1	2,200	57.0	2,500	59.6	2,700	135.0
140.0	29.6	2,000	34.5	2,600			50.4	2,000	55.5	2,100	57.8	2,500	140.0
145.0	25.4	1,900	30.3	2,500			48.5	1,700	53.4	1,700	55.9	2,300	145.0
150.0	20.3	1,800	24.8	2,300			46.6	1,300	51.5	1,500	53.9	2,100	150.0
155.0	13.6	1,700					44.7	1,100	49.5	1,300	51.6	1,700	155.0
160.0									47.3	1,100	49.2	1,300	160.0
165.0											46.9	1,100	165.0
	1	1	1	1	1	1	1	1	1	1	1	1	
	2#	46	46	46	46	46	92	92	92	92	92	92	2#
	3#	46	46	46	46	46	92	92	92	92	92	92	3#
	4#	46	46	46	46	46	92	92	92	92	92	92	4#
	5#	46	46	46	46	46	92	92	92	92	92	92	5#
	6#	46	46	46	46	46	46	46	46	46	46	46	6#
	8.3	8.3	8.3	8.3	8.3	8.3	8.3	8.3	8.3	8.3	8.3	8.3	
	12	12	23	23	39	39	43	43	46	46	45	45	
	700	700	1700	1700	1700	1700	700	700	700	700	700	700	
	80	80	80	80	80	80	80	80	80	80	80	80	
	5,800	5,800	5,000	5,000	4,400	4,400	5,800	5,800	5,000	5,000	4,400	4,400	

LOAD CHARTS – Fly Jib

Unit: lbs



	172.3' (52.5m) boom + 59.1' (18m) jib						183.7' (56.0m) boom + 59.1' (18m) jib						
	0°		20°		40°		0°		20°		40°		
	R (ft)	W (lbs)	R (ft)	W (lbs)	R (ft)	W (lbs)	R (ft)	W (lbs)	R (ft)	W (lbs)	R (ft)	W (lbs)	
50.0	78.1	5,800					79.0	5,800					50.0
55.0	77.0	5,800					78.0	5,800					55.0
60.0	75.9	5,800					77.0	5,800					60.0
65.0	74.7	5,800	79.3	5,000			75.9	5,800					65.0
70.0	73.5	5,500	78.6	4,800			74.8	5,800	79.1	5,000			70.0
75.0	6.1	5,200	77.3	4,700			73.8	5,500	77.9	4,800			75.0
80.0	71.0	4,900	75.9	4,500	78.8	4,400	72.6	5,200	76.8	4,600			80.0
85.0	69.9	4,600	74.6	4,300	77.5	4,200	71.5	4,900	75.7	4,400	78.5	4,400	85.0
90.0	68.6	4,400	73.3	4,100	76.3	4,100	70.3	4,600	74.4	4,200	77.5	4,200	90.0
95.0	67.2	4,200	71.9	3,900	74.9	4,000	69.0	4,400	73.1	4,000	76.2	4,000	95.0
100.0	65.7	4,000	70.4	3,700	73.5	3,900	67.6	4,100	71.8	3,800	74.8	3,900	100.0
105.0	64.2	3,800	68.9	3,600	72.0	3,700	66.3	3,900	70.4	3,600	73.4	3,800	105.0
110.0	62.8	3,500	67.4	3,500	70.5	3,500	64.9	3,700	69.1	3,500	72.0	3,600	110.0
115.0	61.5	3,200	65.9	3,300	68.9	3,300	63.4	3,400	67.8	3,300	70.6	3,400	115.0
120.0	60.0	2,900	64.4	3,200	67.5	3,200	62.0	2,800	66.3	3,100	69.2	3,200	120.0
125.0	58.6	2,600	62.9	3,100	65.9	3,000	60.6	2,400	64.8	2,900	67.7	3,100	125.0
130.0	57.1	2,300	61.3	2,800	64.3	2,900	59.1	1,900	63.3	2,700	66.3	2,900	130.0
135.0	55.5	2,100	59.9	2,500	62.7	2,700	57.4	1,600	61.7	2,500	64.8	2,700	135.0
140.0	54.0	1,900	58.2	2,100	60.8	2,500	55.9	1,300	60.2	2,100	63.4	2,500	140.0
145.0	52.4	1,700	56.6	1,800	59.1	2,300	54.3	1,200	58.6	1,700	61.6	2,300	145.0
150.0	50.7	1,300	54.8	1,600	57.2	2,100	52.6	1,100	57.1	1,600	59.6	2,000	150.0
155.0	49.0	1,000	53.1	1,400	55.3	1,700			55.6	1,400	57.8	1,700	155.0
160.0			51.5	1,100	53.4	1,400			53.8	1,100	56.0	1,500	160.0
165.0					51.5	1,200					54.1	1,300	165.0
170.0					49.4	1,100					52.2	1,100	170.0
	1	1	1	1	1	1	1	1	1	1	1	1	
	2#	92	92	92	92	92	100	100	100	100	100	100	2#
	3#	92	92	92	92	92	100	100	100	100	100	100	3#
	4#	92	92	92	92	92	100	100	100	100	100	100	4#
	5#	92	92	92	92	92	100	100	100	100	100	100	5#
	6#	92	92	92	92	92	100	100	100	100	100	100	6#
	8.3	8.3	8.3	8.3	8.3	8.3	8.3	8.3	8.3	8.3	8.3	8.3	
	47	47	50	50	48	48	51	51	52	52	51	51	
	700	700	700	700	700	700	700	700	700	700	700	700	
	80	80	80	80	80	80	80	80	80	80	80	80	
	5,800	5,800	5,000	5,000	4,400	4,400	5,800	5,800	5,000	5,000	4,400	4,400	

Remark

1. The capacities listed are with the outriggers fully extended and vertical jacks properly set only.
2. The fly jib may only be used for single line lifting service.
3. Use only the load which corresponds to the boom extension length and offset angle as the machine is configured.
4. For boom angles not shown, use the rating of the next lower boom angle.
5. The boom angle is defined as the angle above or below the horizontal line of the longitudinal axis of the boom base section after lifting the rated load.
6. When lifting over the main boom nose with the fly jib erected, the outriggers must be fully extended and the proper load reduction must be used.
7. Do not lower the boom below the minimum boom angle with the jib erected. Fully retract the boom to lower the boom below the minimum boom angle.

Operator must refer to load chart manual for crane operation.

In the interest of continual equipment development, SANY America Inc. reserves the right to change these specifications at any time without prior notification.



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INDUSTRY'S
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STANDARD
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3-YEAR
3,000 HOURS

*Warranty applies to 2022 Crane models only.

SANY America Inc.
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| T | 470-552-SANY
BRCRA22SRA1200APRE

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