SRA800A

ROUGH TERRAIN CRANE

- 80 USt (72.5 Mt)
- 142.7 ft (43.5 m)
- 206.6 ft (63 m)

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.

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

*Warranty applies to 2026 Crane models only.

PROUDLY MADE FOR AMERICA

MODEL
SRA800A

MAX CAPACITY
80 USt

BOOM LENGTH
142.7'

JIB LENGTH
32.8' - 55.8'

MAX TIP HEIGHT
206.6'

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 300 American employees, to our growing dealer network that stretches from Maine to Washington, SANY America is dedicated to building business across America. Our industry-leading warranty is proof of SANY's durability. Through our local service network SANY proudly shows 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 America is dedicated to helping American-owned businesses thrive with our commitment to value, performance and service.

SRA800A

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, tilt 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

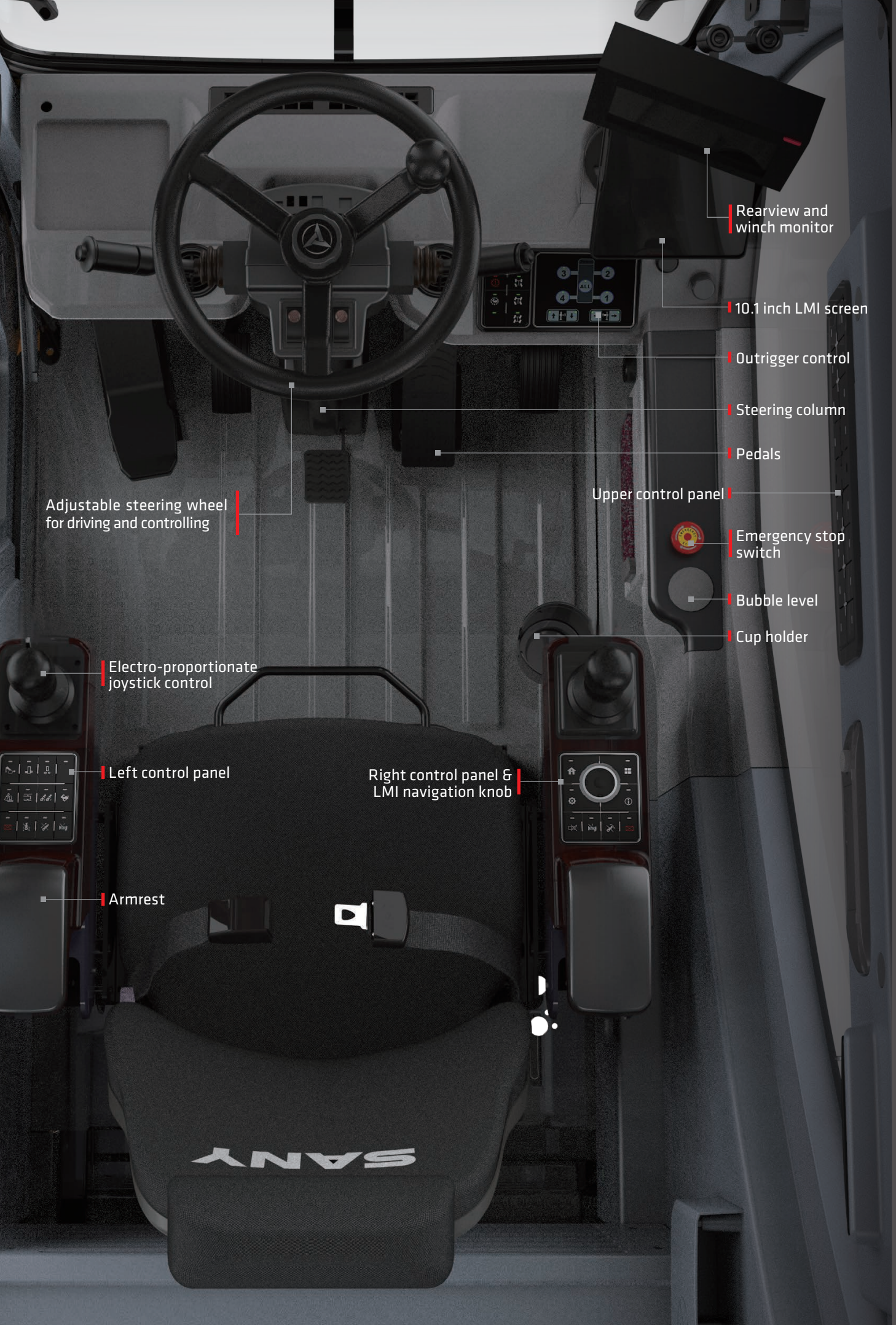
SANY's heavy-duty body, outriggers and counterweight keep the crane stable when the greatest strength and rigidity is needed.

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.

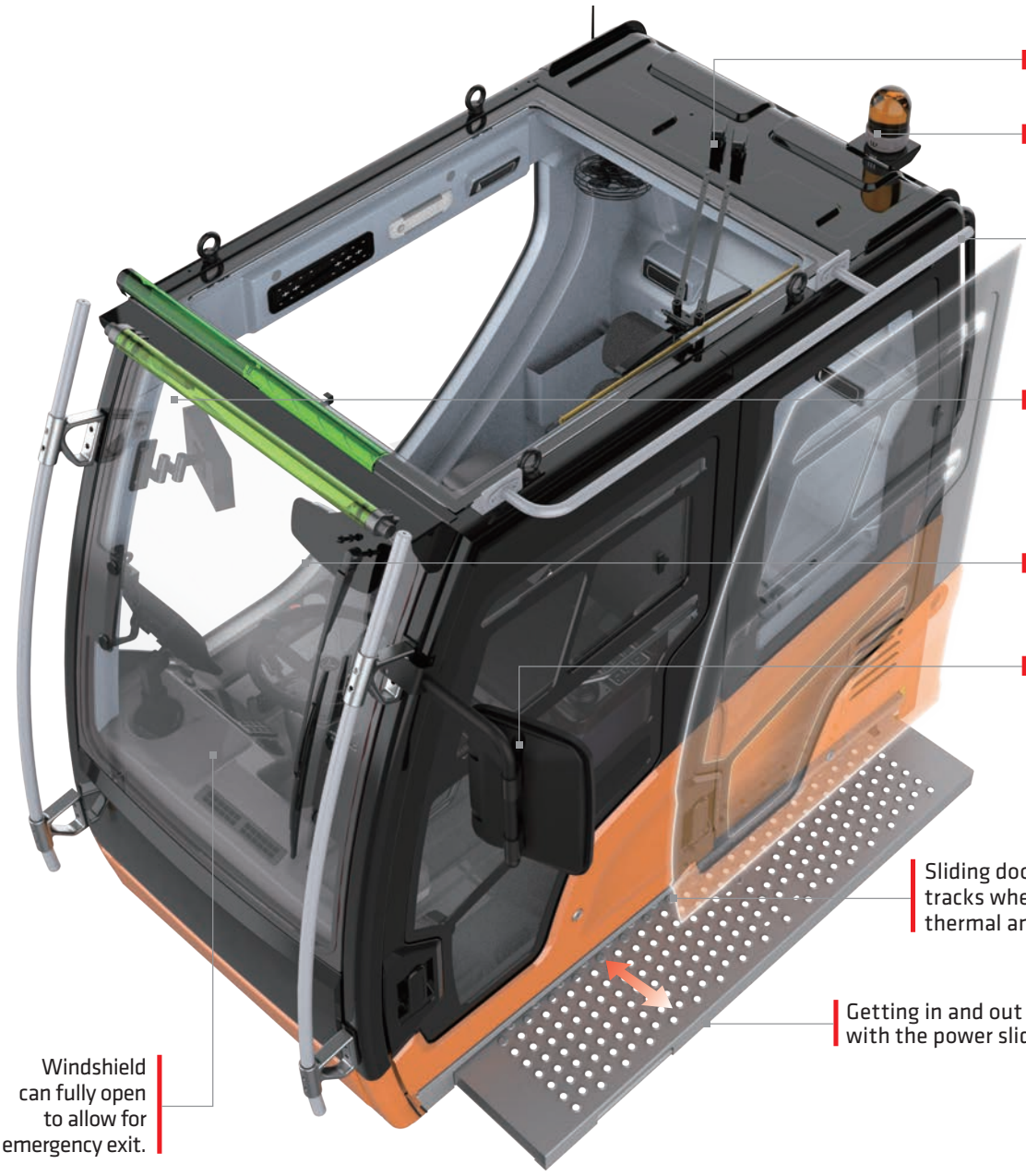
SUPPORT

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


Rearview and winch monitor
10.1 inch LMI screen
Outrigger control
Steering column
Pedals
Upper control panel
Adjustable steering wheel for driving and controlling
Emergency stop switch
Bubble level
Cup holder
Electro-proportionate joystick control
Left control panel
Right control panel & LMI navigation knob
Armrest

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.



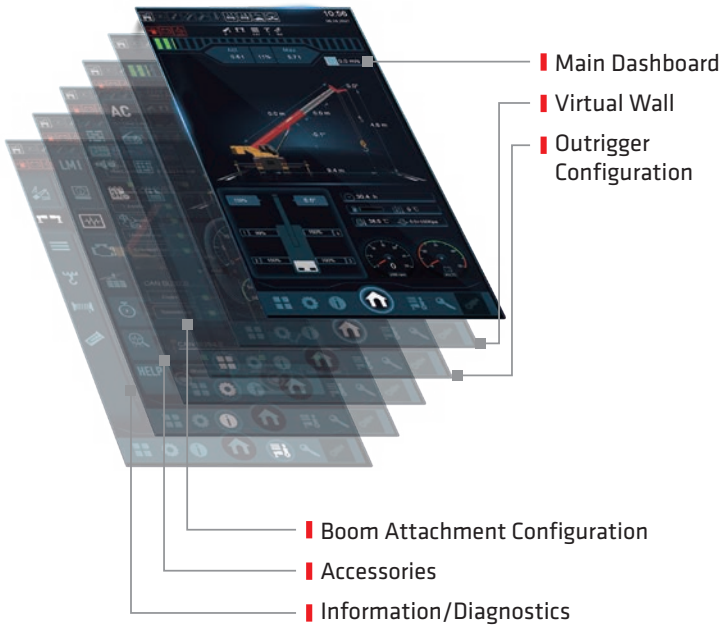
Safety & Reliability | **Comfort & Convenience** | **Simplicity & Efficiency**

THE MOST MODERN & OPERATOR-FRIENDLY LMI IN THE INDUSTRY

Multi-functional touchscreen
The large 10.1 inch HD touchscreen display incorporates crane setup, working conditions, working period, virtual wall, and diagnostics with an additional navigation knob for convenience.

Precise Load Moment Indicator (LMI)
SANY's LMI exceeds load accuracy standards.

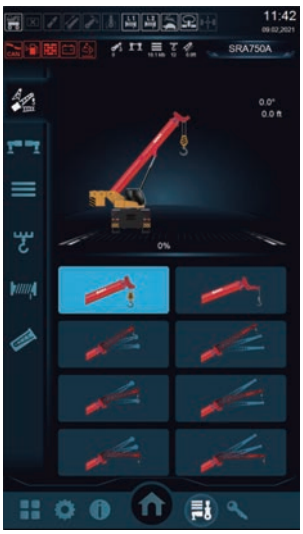
More pictorial, less menus
LMI navigation just went to the next level. No need to dig through archaic looking menus trying to find critical information or functionality. No language barriers here, because there's rarely a need for language at all. The LMI is very pictorial which allows operators to easily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



Main Dashboard

Virtual Wall

Outrigger Configuration



Boom Attachment Configuration

Accessories

Information/Diagnostics

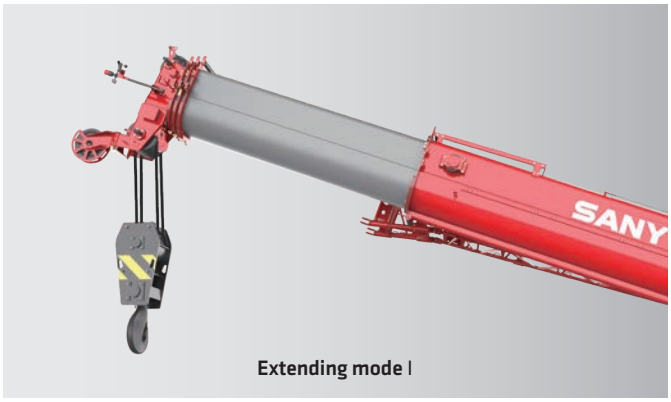
Outstanding screen clarity
Operators have a crisp, clear viewing screen at all times. It's well lit and low glare which makes navigating this LMI even easier any time of day.

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.

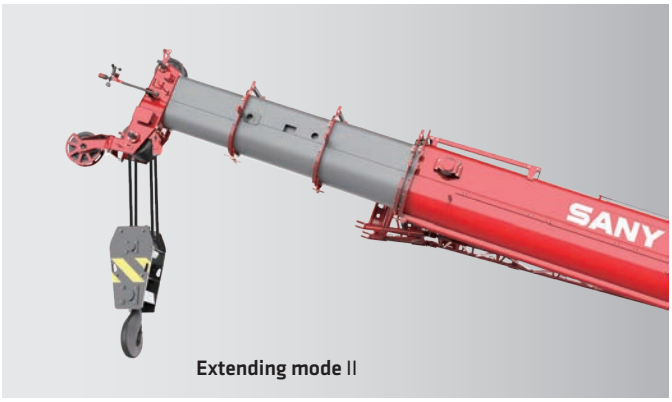
Adjustable steering wheel for driving and controlling, modular control panels, and smart user interface deliver intuitive and highly efficient control.

HYDRAULIC SYSTEM

The SRA800A has a five section, full power synchronized telescoping boom. There are two boom extending modes by dual cylinders with wire rope and pulleys.



Extending mode I



Extending mode II

Superstructure

The SRA800A 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.

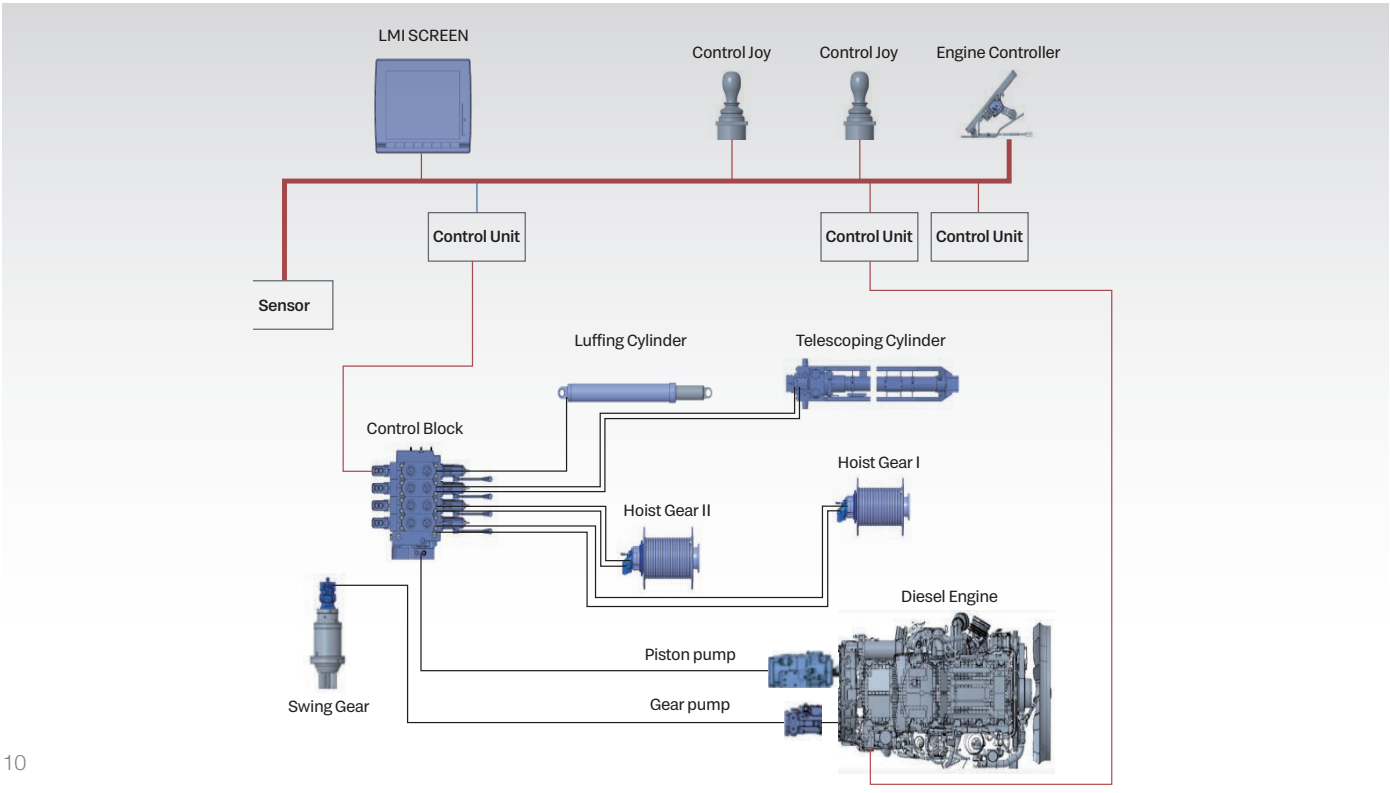
Ensuring easy operation, it has an electronically controlled load-sensing hydraulic system, electronic joystick and electronic throttle.

Chassis steering system

A CASAPPA 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 and 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 seemless design integration of our different component systems. We followed that up with on-baord diagnostics to show electrical inputs/outputs, hydraulic pressure readings, and multiple CAN-BUS modules for problem isolation.

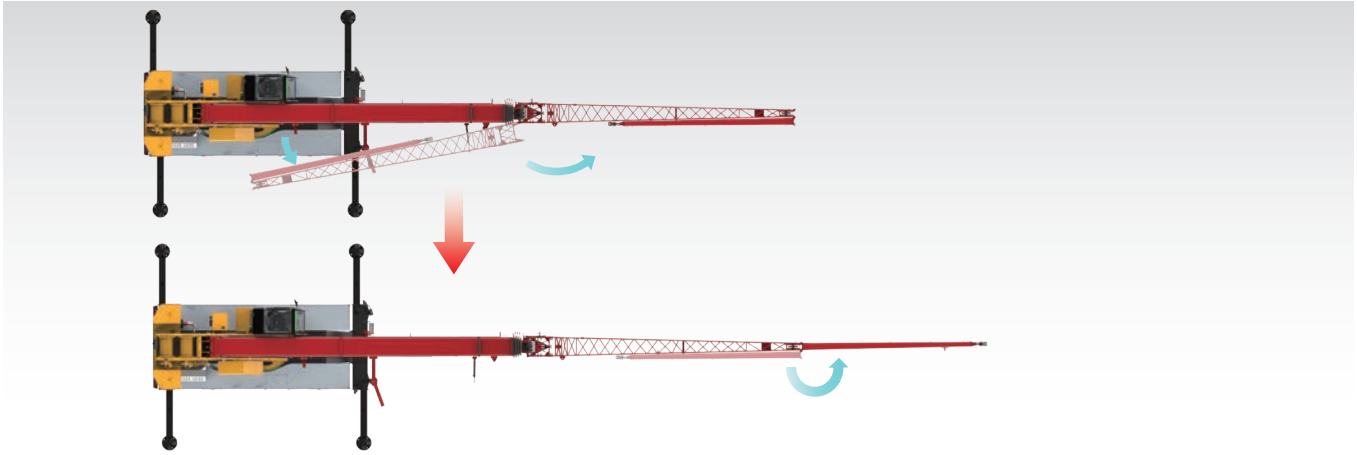
JIB SETUP VIA REMOTE CONTROL

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 206.6 feet.

Remote controller

- Pin in
- Pin out
- Extension
- Retraction



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

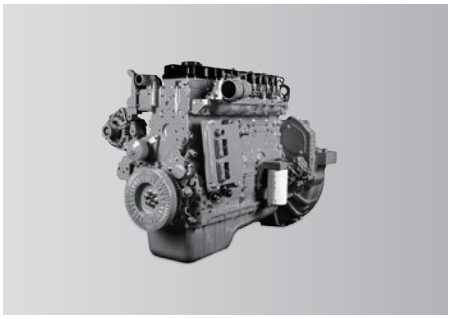
Cable reel

Anemometer

CARRIER FRAME

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

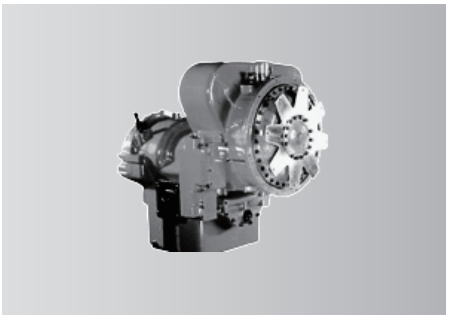
POWER TRAIN



Engine

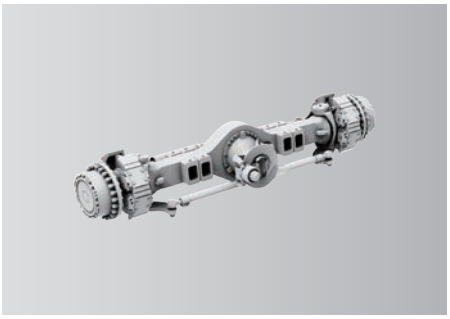
Power comes from a US Cummins QSB6.7 inline six-cylinder water-cooled, turbo-charged and intercooled off-highway diesel engine, complying with Stage V emission standard.

Rated power: 284 hp/2,200 rpm
Max. torque: 950 lb·ft/1,500 rpm



Transmission

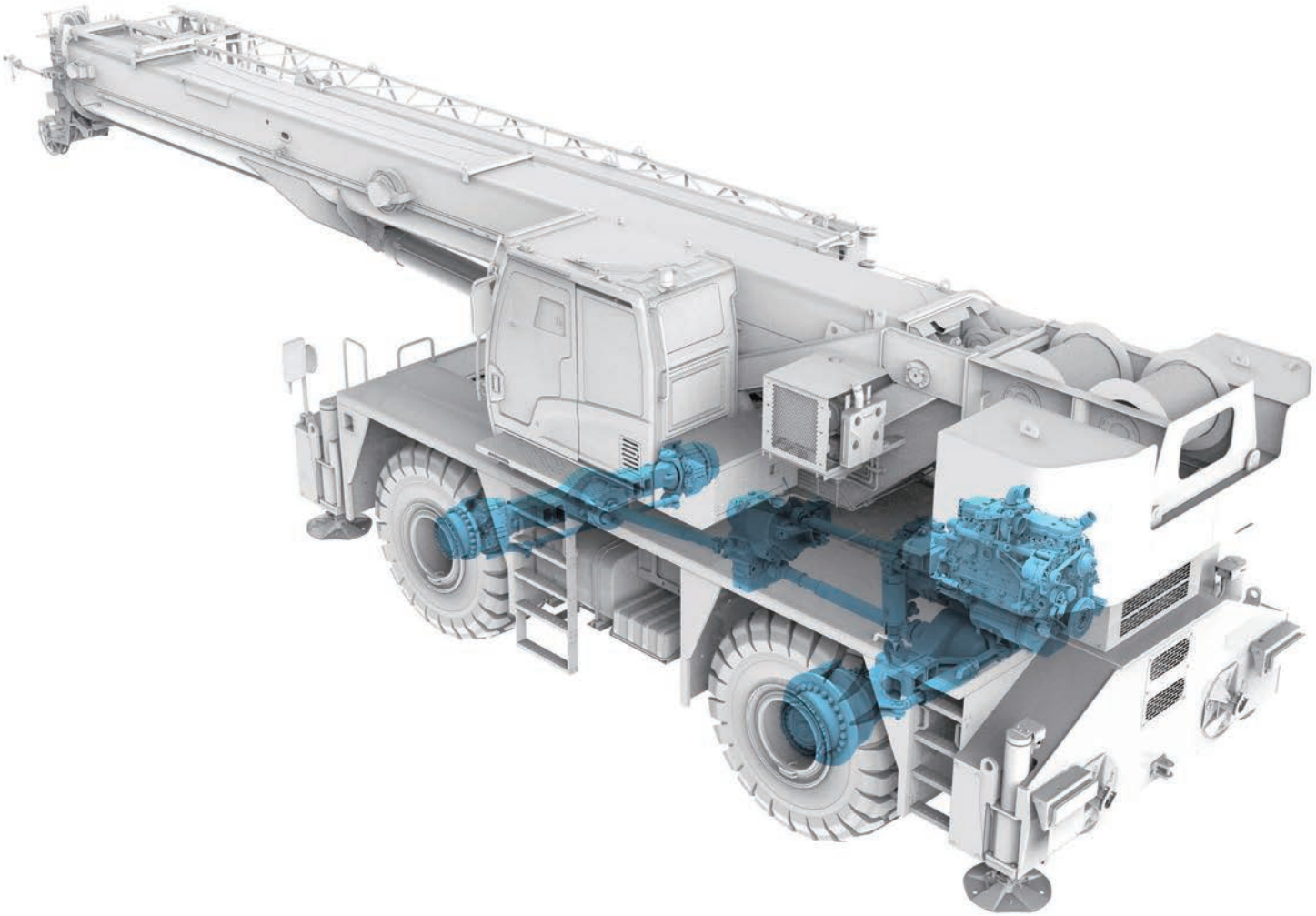
Dana electronically controlled automatic transmission features 6 speeds forward and 6 speeds reverse, wide ratio range, and smooth gearshift with hill hold feature.



Axle and suspension

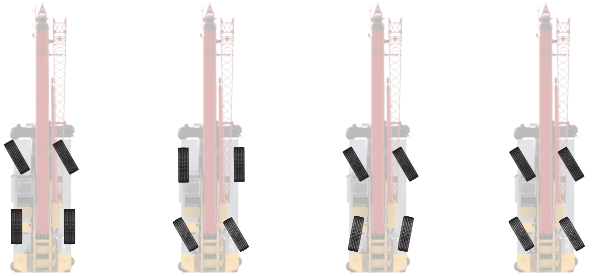
Both Kessler axles are driven and steered. The front axle is rigid mounted to the carrier frame and the rear adopts oscillation cylinders with hydraulic lockout.

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



CONVENIENT TRANSPORT

Four steering modes:



2 wheel front
2 wheel rear
4 wheel
Crab

Steering control panel

One-Trailer Transport

Crane fully equipped transports under 100,000 lbs. Overall transport height under 12.5 ft.

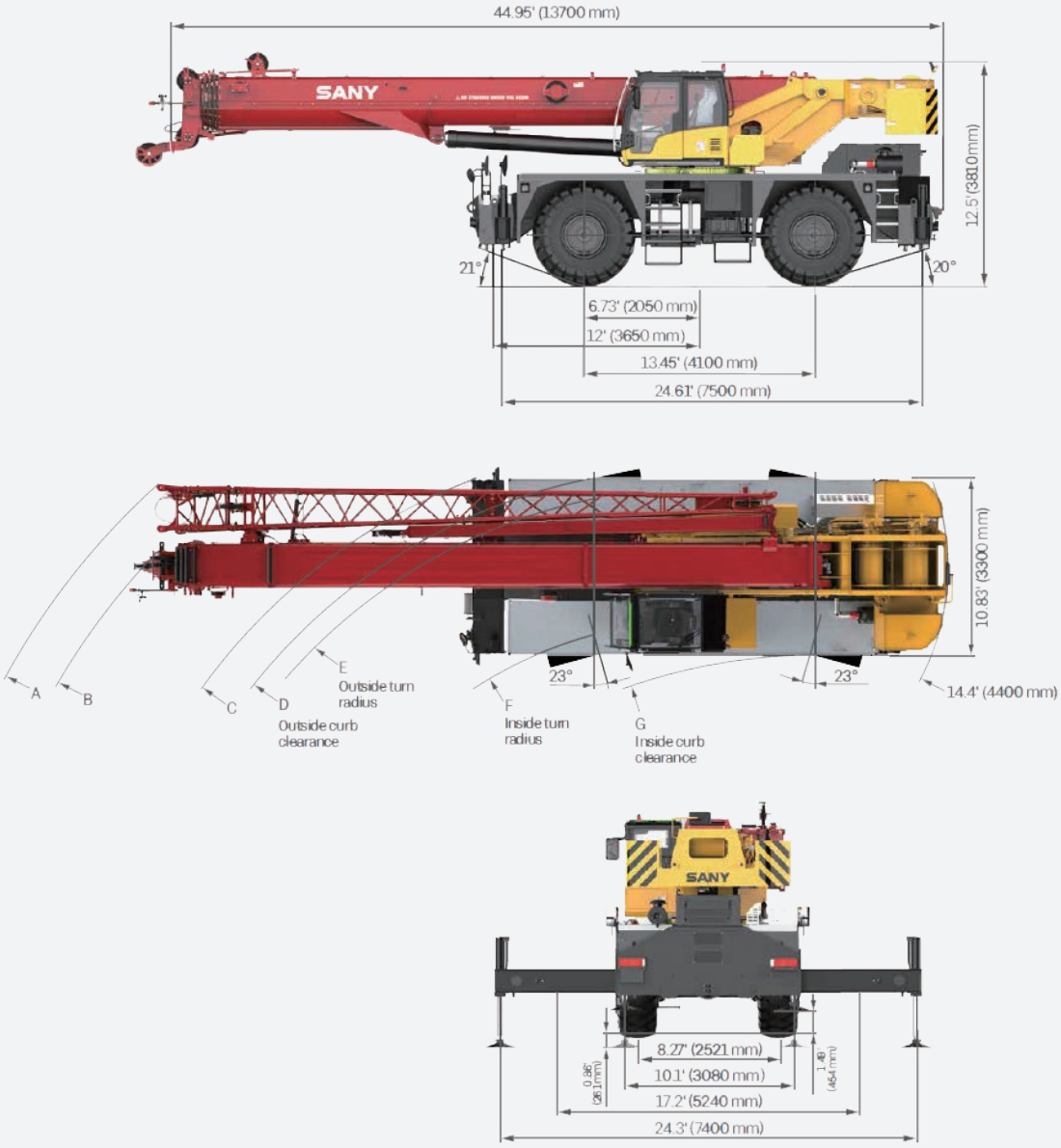
Axle Load Distribution (boom angle 0°)

Items		IN POUND			IN KG		
		GVW	Front	Rear	GVW	Front	Rear
Base unit with auxiliary hoist and wire rope		99,616	54,120	45,496	45,280	24,600	20,680
Remove	Counterweight	-10,141	4,114	-14,234	-4,600	1,870	-6,470
	Bi-fold fly jib	-2,618	-4,290	1,628	-1,190	-1,950	740
	Auxiliary lifting sheave	-132	-198	99	-60	-90	45
	60 USt hook block	-1,206	-1,801	594	-547	-817	270
	8 USt hook ball	-315	-381	66	-143	-173	30

TRANSPORT, DIMENSIONS AND TECHNICAL SPECS

The SRA800A's technical specifications and strong load charts fit right in with the 80 USt class in America. They were developed to perform at their peak especially for the American crane operator.

OVERALL DIMENSIONS



TWO-WHEEL STEER	A	B	C	D	E	F	G
	57'5"	55'5"	49'2"	47'3"	45'11"	38'1"	34'5"
	17.5m	16.9m	15m	14.4m	14m	11.6m	10.5m
FOUR-WHEEL STEER	A	B	C	D	E	F	G
	45'3"	43'	36'9"	34'9"	33'9"	25'7"	24'3"
	13.8m	13.1m	11.2m	10.6m	10.3m	7.8m	7.4m

TECHNICAL SPECIFICATIONS SRA800A

CATEGORY	ITEM		UNIT	VALUE
CAPACITY	Max. lifting capacity		USt (Mt)	80 (72.5)
WEIGHT	Gross weight		lbs (kg)	99,616 (45,280)
POWER	Engine make and model		Cummins	QSB6.7 C280 (Stage V)
	Max. engine power		hp (kW)/rpm	284 (209)/2,200
	Max. engine torque		lb·ft (N·m)/rpm	950 (1,288)/1,500
DIMENSIONS	Overall length		ft (mm)	44.9 (13,700)
	Overall width		ft (mm)	10.8 (3,300)
	Overall height		ft (mm)	12.5 (3,810)
TRAVEL	Max.travel speed		mph (km/h)	15 (24)
	Steering radius	Min.steering radius	ft (m)	45.6/25.6 (13.9/7.9)
		Min.steering radius of boom tip	ft (m)	39 (11.9)
	Wheel drive type (driving modes)		-	2 wheel/4 wheel
	Min.ground clearance		ft (mm)	1.7 (510)
	Approach angle		°	21
	Departure angle		°	20
	Max.gradeability		-	75%
MAIN PERFORMANCE	Min.rated lifting radius		ft (m)	8 (2.4)
	Tail swing radius		ft (m)	14.4 (4.4)
	No. of boom sections		-	5
	Boom shape		-	U shape
	Max.lifting moment	Full-extension boom	klb·ft (kN·m)	849 (1,150)
		Full-extension boom+jib	klb·ft (kN·m)	391 (530)
	Boom length	Basic boom	ft (m)	37.1 (11.3)
		Full-extension boom	ft (m)	142.7 (43.5)
		Full-extension boom + jib	ft (m)	198.4 (60.5)
	Max.tip height	Basic boom	ft (m)	47.6 (14.5)
		Full-extension boom	ft (m)	150.9 (46)
		Full-extension boom + jib	ft (m)	206.6 (63)
	Outrigger span (Longitudinal×Transverse)		ft (m)×ft (m)	24.6 (7.5)×24.3 (7.4)
	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 SRA800A

Hook

Capacity / USt (Mt)	Number of sheaves	Parts of line	Hook weight /lbs (kg)
80 (72.5)	6	12	1,587 (720)
60 (55)	3	6	1,200 (547)
8 (7.3)	-	1	315 (143)

Operations

Item		Max.single rope lifting speed (empty load)	Rope diameter/length	Max. single line pull
Main winch		492 FPM (150m / min)	0.75" (19mm) / 820 ft (250m)	15,500 lbs (7,030 kg)
Auxiliary winch		492 FPM (150m / min)	0.75" (19mm) / 476 ft (145m)	15,500 lbs (7,030 kg)
Swing speed		1.8 r / min		
Full luffing up/down time of boom		50 s / 80 s		
Full extension/retraction time of boom		80 s / 125 s		
Outrigger jack	Retraction	25 s		
	Extension	30 s		
Outrigger beam	Retraction	15 s		
	Extension	25 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

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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 284hp/2,200rpm, max. torque 950lb·ft/1,500rpm, off-road Stage V emission standards.
- Fuel tank capacity: approx. 92.46 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.75" (19mm) 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 4 telescoping sections, U-shape cross section welding structure. Double cylinder with rope pull mechanism is for synchronous plus sequential telescoping.
- 6 sheaves on boom head are standard.
- Boom length: 37' (11.3m)~142.7' (43.5m).

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.

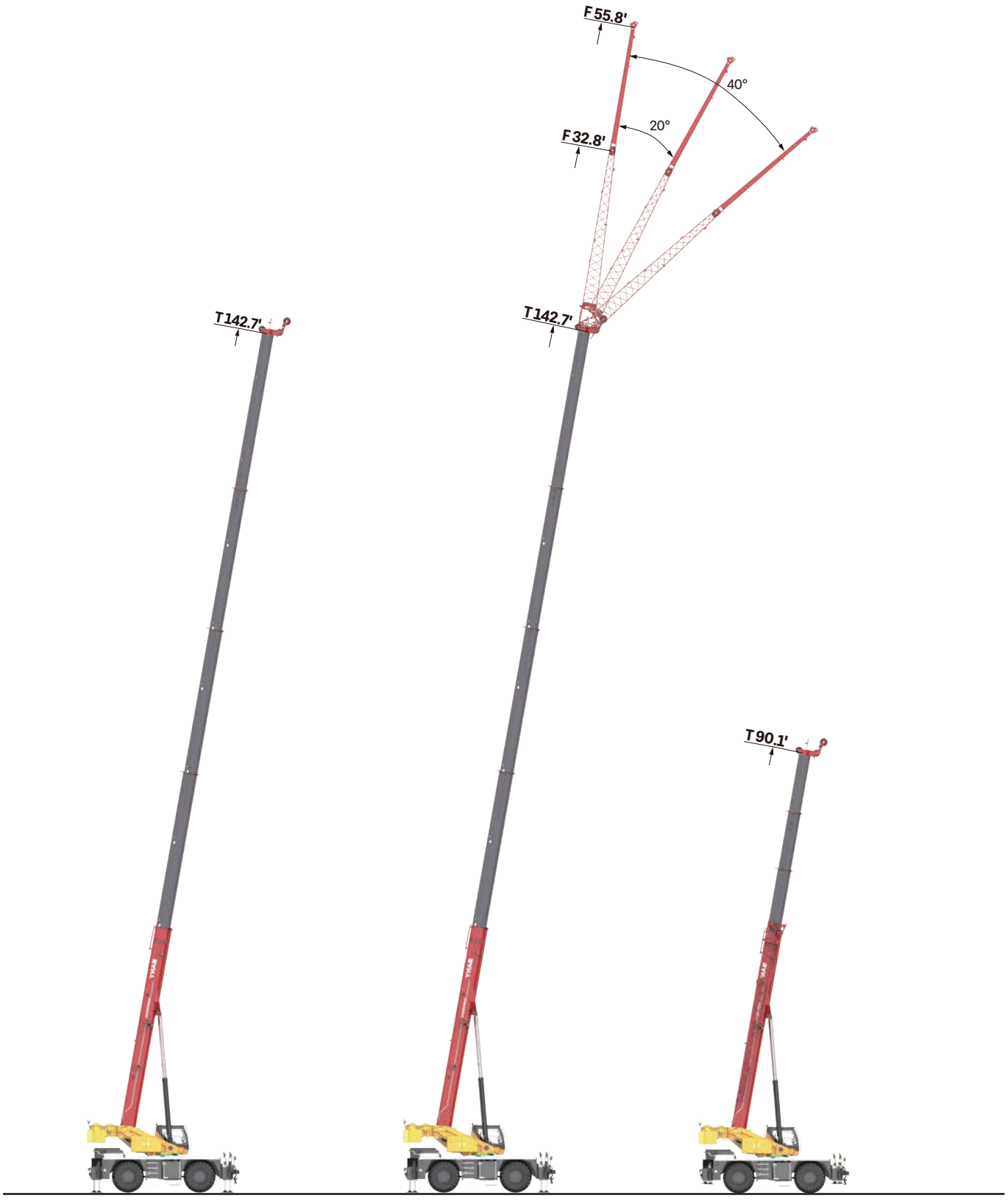
Counterweight

- Fixed counterweight, total weight is 10,141 lbs (4.6t).

Electrical System

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

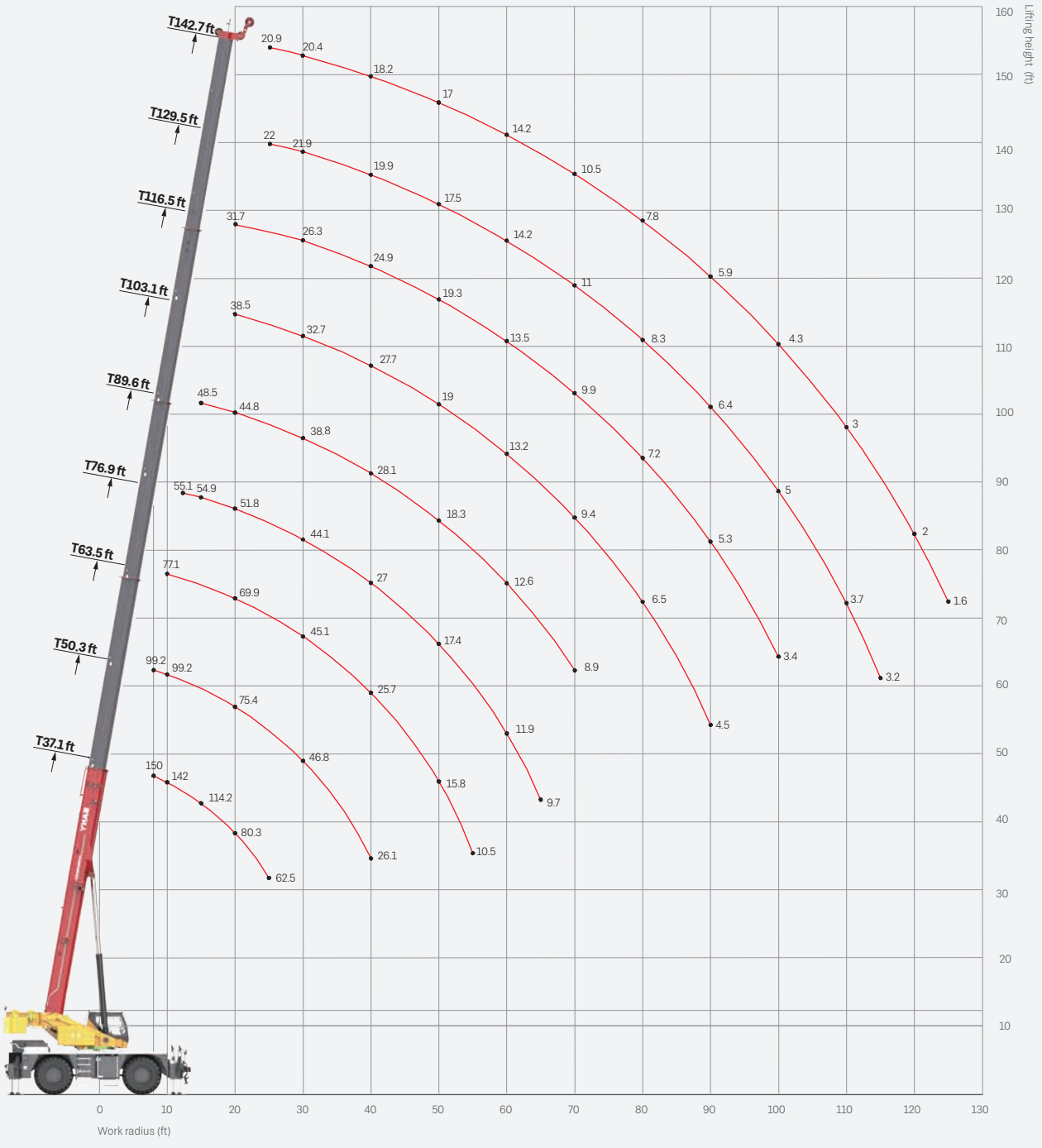
BOOM & JIB COMBINATIONS



Main Boom On Outriggers | Fly Jib On Outriggers | Main Boom On Tires

WORKING RANGE DIAGRAM — Main Boom

Lifting capacities in klb



Operator must refer to in-cab load chart manual for crane operation.
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LOAD CHARTS — Main Boom, On 100% Outriggers, 360°

Unit: lbs

Radius (ft)	37.1' (11.3m)	50.3' (15.3m)	63.5' (19.4m)	63.2' (19.3m)	76.9' (23.5m)	76.7' (23.4m)	89.6' (27.3m)	90.1' (27.5m)	103.1' (31.4m)	102.8' (31.3m)	116.5' (35.5m)	116.3' (35.5m)	129.5' (39.5m)	142.7' (43.5m)	Radius (ft)
8	160,000*	99,200													8
10	142,000	99,200	77,100	48,500											10
12	127,900	99,200	77,100	48,500	55,100	44,000									12
15	114,200	94,100	72,400	48,500	54,900	44,000	48,500	37,500							15
20	80,300	75,400	69,900	48,500	51,800	44,000	44,800	37,200	38,500	31,700	31,700	24,600			20
25	62,500	61,200	60,600	48,500	45,700	43,000	39,500	32,800	38,000	28,300	28,500	24,500	22,000	20,900	25
30		46,800	45,100	46,800	43,300	37,200	38,700	29,400	32,700	26,100	26,300	22,400	21,900	20,400	30
35		35,600	34,200	37,900	35,100	32,600	34,300	26,400	29,900	23,500	25,600	20,400	20,700	19,300	35
40		26,100	25,700	31,400	27,000	28,600	28,100	23,900	27,400	21,700	24,600	18,700	19,900	18,200	40
45			20,400	25,900	21,500	24,700	22,400	21,400	22,800	19,000	22,400	17,400	19,100	17,700	45
50			15,800	20,100	17,400	21,400	18,300	19,100	19,000	17,100	19,300	15,700	17,500	17,000	50
55			10,500	14,200	14,300	18,300	15,100	17,100	15,700	15,500	16,200	14,200	15,900	15,900	55
60					11,900	15,400	12,600	15,300	13,000	14,100	13,500	13,000	14,200	14,200	60
65					9,600	13,400	10,800	13,800	11,000	12,900	11,400	11,700	12,500	12,300	65
70							8,900	12,300	9,400	11,600	9,900	10,600	11,000	10,500	70
75							7,300	10,800	7,900	10,500	8,500	9,700	9,600	8,900	75
80								9,200	6,500	9,600	7,200	9,000	8,300	7,800	80
85									5,500	8,400	6,200	7,900	7,300	7,100	85
90									4,500	7,500	5,300	7,500	6,400	5,900	90
95											4,300	6,700	5,700	5,000	95
100											3,400	5,800	5,000	4,300	100
105												5,200	4,400	3,700	105
110													3,700	3,000	110
115													3,200	2,500	115
120														2,000	120
125														1,600	125
Extending modes															
Tele 1	0%	50%	100%	0%	100%	0%	100%	0%	100%	0%	100%	0%	50%	100%	Tele 1
Tele 2	0%	0%	0%	33%	17%	50%	33%	66%	50%	83%	66%	100%	100%	100%	Tele 2
Tele 3	0%	0%	0%	33%	17%	50%	33%	66%	50%	83%	66%	100%	100%	100%	Tele 3
Tele 4	0%	0%	0%	33%	17%	50%	33%	66%	50%	83%	66%	100%	100%	100%	Tele 4
Parts of line	12	10	8	8	6	6	4	4	4	4	4	4	4	3	Parts of line
Min. boom angle	0°	0°	0°	0°	0°	0°	0°	0°	0°	0°	0°	0°	0°	20°	Min. boom angle
Capacity at min.angle	22,000	12,000	6,400	9,000	4,000	6,000	2,800	4,400	1,900	3,300	1,300	2,500	1,400	1,000	Capacity at min.angle

* Special equipment required.

Operator must refer to in-cab 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.

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

Unit: lbs

Radius (ft)	37.1' (11.3m)	50.3' (15.3m)	63.5' (19.4m)	63.2' (19.3m)	76.9' (23.5m)	76.7' (23.4m)	89.6' (27.3m)	90.1' (27.5m)	103.1' (31.4m)	102.8' (31.3m)	116.5' (35.5m)	116.3' (35.5m)	129.5' (39.5m)	142.7' (43.5m)	Radius (ft)
8	150,000	99,200													8
10	132,800	98,300	76,600	48,200											10
12	117,700	89,800	71,300	45,600	54,400	46,200									12
15	89,100	85,700	70,000	44,000	49,200	44,000	47,100	37,800	38,400	32,800					15
20	46,600	59,800	58,600	43,600	43,800	44,000	43,200	36,800	36,000	31,500	31,700	26,800	22,000		20
25	38,000	37,900	37,900	32,000	30,500	34,400	32,000	32,500	29,000	28,100	28,500	25,000	22,000	20,900	25
30		25,200	20,900	23,900	21,500	24,800	22,600	25,900	21,500	25,100	23,700	23,700	21,900	19,700	30
35		18,700	15,500	20,500	16,600	19,800	18,300	20,700	16,200	22,800	18,900	19,400	20,400	17,900	35
40		13,800	12,800	17,100	12,600	15,500	15,000	15,900	11,900	19,600	14,600	16,100	18,300	15,000	40
45			9,800	13,500	9,700	12,600	11,600	13,000	10,200	16,000	11,900	12,900	13,000	12,400	45
50			6,900	10,300	7,800	11,200	9,600	10,900	8,500	13,200	9,800	10,900	10,800	10,200	50
55					6,100	9,800	7,300	9,100	7,100	10,900	8,000	9,300	9,400	8,500	55
60					4,400	8,100	4,700	7,700	5,900	9,100	6,500	7,900	8,100	7,000	60
65					3,200	6,700	3,800	6,700	4,500	7,600	5,000	6,900	6,700	5,800	65
70							2,800	5,700	3,500	6,600	4,100	6,000	5,700	4,500	70
75								4,900	2,700	5,500	3,500	5,000	4,700	3,600	75
80										4,300	3,000	4,100	3,700	3,100	80
85										3,300	2,200	3,700	3,100	2,400	85
90										2,800		3,100	2,400	2,100	90
Extending modes															
Tele 1	0%	50%	100%	0%	100%	0%	100%	0%	100%	0%	100%	0%	50%	100%	Tele 1
Tele 2	0%	0%	0%	33%	17%	50%	33%	66%	50%	84%	66%	100%	100%	100%	Tele 2
Tele 3	0%	0%	0%	33%	17%	50%	33%	66%	50%	84%	66%	100%	100%	100%	Tele 3
Tele 4	0%	0%	0%	33%	17%	50%	33%	66%	50%	84%	66%	100%	100%	100%	Tele 4
Parts of line	12	10	8	8	6	6	4	4	4	4	4	4	4	3	Parts of line
Min. boom angle	0°	0°	0°	0°	0°	0°	19°	0°	30°	0°	36°	16°	37°	46°	Min. boom angle
Capacity at min.angle	14,100	7,700	3,200	5,100	1,800	3,500	1,400	2,500	1,400	1,700	1,300	1,400	1,400	1,400	Capacity at min.angle

Operator must refer to in-cab 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.

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

Unit: lbs

Radius (ft)	37.1' (11.3m)	50.3' (15.3m)	63.5' (19.4m)	63.2' (19.3m)	76.9' (23.5m)	76.7' (23.4m)	89.6' (27.3m)	90.1' (27.5m)	103.1' (31.4m)	102.8' (31.3m)	116.5' (35.5m)	116.3' (35.5m)	129.5' (39.5m)	142.7' (43.5m)	Radius (ft)
8	98,100	89,200													8
10	81,000	76,500	69,300	48,100											10
12	57,600	56,100	54,200	44,400	43,200	43,700									12
15	37,700	36,600	35,800	40,100	36,600	40,700	37,300	37,000	30,200	32,400					15
20	22,100	21,400	20,800	24,700	22,000	26,000	23,100	26,300	22,900	25,800	19,800	21,200	19,900		20
25	14,300	13,400	13,000	16,900	14,300	17,800	15,200	18,300	15,800	18,400	15,800	14,100	16,300	13,900	25
30		8,800	8,300	12,000	9,600	12,800	10,400	13,300	11,100	13,300	11,300	9,300	12,600	11,600	30
35		6,400	5,400	9,100	6,900	9,600	7,700	10,200	7,900	9,600	8,300	6,700	9,600	9,100	35
40				6,600	5,200	7,200	5,700	7,700	5,500	7,900	5,900	5,100	7,000	6,800	40
45				4,900	3,400	5,400	3,800	5,800	4,000	6,200	4,100	3,700	5,300	4,700	45
50				3,500		3,900	2,500	4,400	3,000	4,700	3,000	2,800	3,900	3,700	50
55						2,800		3,200		3,400		2,300	2,800	2,800	55
60								2,300		2,500		2,200	2,100	2,100	60
Extending modes															
Tele 1	0%	50%	100%	0%	100%	0%	100%	0%	100%	0%	100%	0%	50%	100%	Tele 1
Tele 2	0%	0%	0%	33%	17%	50%	33%	66%	50%	84%	66%	100%	100%	100%	Tele 2
Tele 3	0%	0%	0%	33%	17%	50%	33%	66%	50%	84%	66%	100%	100%	100%	Tele 3
Tele 4	0%	0%	0%	33%	17%	50%	33%	66%	50%	84%	66%	100%	100%	100%	Tele 4
Parts of line	12	10	8	8	6	6	4	4	4	4	4	4	4	3	Parts of line
Min. boom angle	0°	0°	39°	0°	46°	27°	50°	36°	54°	44°	58°	50°	57°	62°	Min. boom angle
Capacity at min.angle	6,100	1,600	1,400	1,700	1,500	1,500	1,400	1,300	1,400	1,400	1,500	1,400	1,400	1,400	Capacity at min.angle

Remark

1. Load capacity in the chart is the maximum weight which this crane could hoist include the hook block's weight. The hook block weighs 1518 lbs (689kg), the overhaul ball weighs 352 lbs (160kg).
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.

Operator must refer to in-cab 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.

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

Unit: lbs

Radius (ft)	37.1' (11.3m)	50.3' (15.3m)	63.2' (19.3m)	76.7' (23.4m)	90.1' (27.5m)	Radius (ft)
10	52,500	35,200	33,000			10
12	48,500	35,200	32,300	29,700		12
15	38,800	32,400	28,300	28,900	26,400	15
20	25,600	21,600	21,200	19,600	24,000	20
25	15,700	14,700	13,800	14,800	20,500	25
30		10,800	7,400	9,600	14,500	30
35			5,000	7,400	10,600	35
40				5,000	6,900	40
45				4,600	5,700	45
50					4,800	50
Extending modes						
Tele 1	0%	0%	0%	0%	0%	Tele 1
Tele 2	0%	17%	33%	50%	67%	Tele 2
Tele 3	0%	17%	33%	50%	67%	Tele 3
Tele 4	0%	17%	33%	50%	67%	Tele 4
Parts of line	6	6	6	6	6	Parts of line
Min. boom angle	0°	0°	0°	27°	38°	Min. boom angle
Capacity at min.angle	5,800	2,800	1,400	1,500	1,500	Capacity at min.angle

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

Unit: lbs

Radius (ft)	37.1' (11.3m)	50.3' (15.3m)	63.2' (19.3m)	76.7' (23.4m)	90.1' (27.5m)	Radius (ft)
10	26,400	23,100	22,000			10
12	25,000	22,800	21,300			12
15	18,400	17,100	17,000	14,000	12,100	15
20	8,900	6,400	6,400	8,300	11,200	20
25	4,400	3,700	3,300	4,300	4,400	25
Extending modes						
Tele 1	0%	0%	0%	0%	0%	Tele 1
Tele 2	0%	17%	33%	50%	67%	Tele 2
Tele 3	0%	17%	33%	50%	67%	Tele 3
Tele 4	0%	17%	33%	50%	67%	Tele 4
Parts of line	6	6	6	6	6	Parts of line
Min. boom angle	0°	30°	42°	50°	57°	Min. boom angle
Capacity at min.angle	2,300	1,500	1,500	1,500	1,500	Capacity at min.angle

Operator must refer to in-cab 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.

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

Unit: lbs

Radius (ft)	37.1' (11.3m)	50.3' (15.3m)	63.2' (19.3m)	76.7' (23.4m)	90.1' (27.5m)	Radius (ft)
10	42,400	31,000				10
12	36,700	31,000				12
15	28,500	27,400				15
20	21,600	20,200	22,900	19,800		20
25	17,300	14,100	17,100	16,700		25
30		10,700	10,800	11,800	15,100	30
35			8,400	8,800	11,700	35
40			5,400	5,900	8,500	40
45			4,500	4,200	5,900	45
Extending modes						
Tele 1	0%	0%	0%	0%	0%	Tele 1
Tele 2	0%	17%	33%	50%	67%	Tele 2
Tele 3	0%	17%	33%	50%	67%	Tele 3
Tele 4	0%	17%	33%	50%	67%	Tele 4
Parts of line	6	6	6	6	6	Parts of line
Min. boom angle	0°	0°	30°	41°	49°	Min. boom angle
Capacity at min.angle	4,100	1,700	1,500	1,400	1,500	Capacity at min.angle

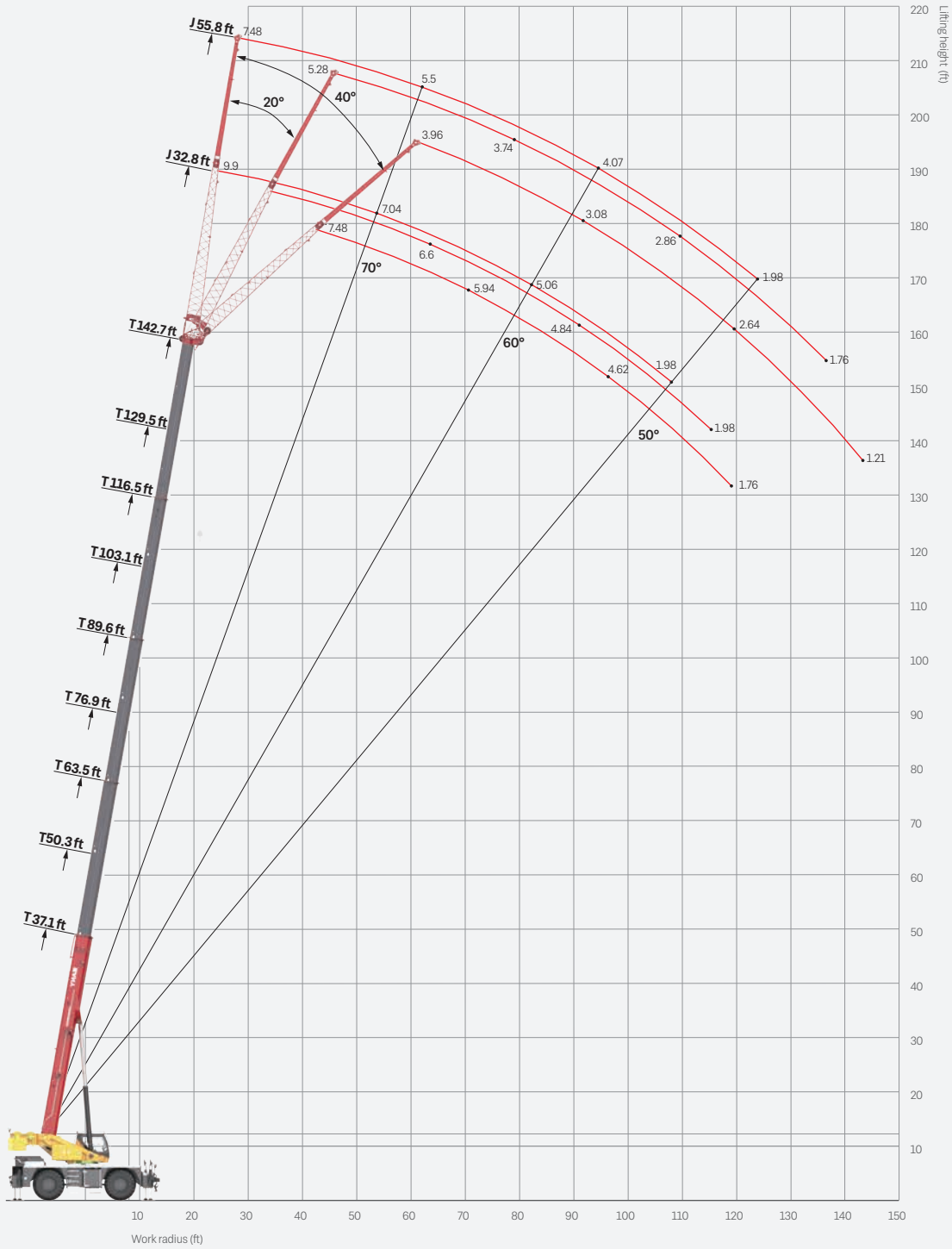
Remark
1. Capacities are applicable at 65 psi cold tire inflation pressure.
2. Capacities are applicable only with machine on firm level surface.
3. On tire lifting with the jib mounted is not permitted.
4. Axle lockouts must be applied when lifting on tires.
5. Parking brake must be applied when lifting on tires stationary.
6. Driving speed shall be less than 2.49 mph (4km/h) at pick & carry mode.

Operator must refer to in-cab 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.

WORK RANGE DIAGRAM – Fly Jib

Lifting capacities in klb



Operator must refer to in-cab 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.

LOAD CHARTS — Fly Jib

Unit: lbs

Boom angle (0°)	142.7' (43.5m) boom + 32.8' (10m) jib						142.7' (43.5m) boom + 55.8' (17m) jib						Boom angle (0°)
	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)	
80	29.5	9,900	40.0	8,800	49.2	7,500	34.8	5,700	52.5	5,300	67.9	4,000	80
78	37.1	9,900	46.9	8,500	55.1	7,200	42.0	5,700	61.0	5,000	74.3	3,800	78
76	43.0	9,900	52.8	8,000	61.7	6,800	49.5	5,700	67.6	4,600	80.7	3,700	76
74	49.2	9,400	59.2	7,600	66.9	6,500	57.7	5,700	73.8	4,300	86.1	3,500	74
72	55.4	8,800	65.6	7,200	72.2	6,200	64.6	5,700	78.7	4,100	91.5	3,300	72
70	61.0	8,200	71.5	6,800	77.1	6,000	72.2	5,600	86.3	3,800	96.9	3,100	70
68	67.3	7,700	75.5	6,500	82.7	5,700	79.4	5,200	93.8	3,500	102.4	3,000	68
66	73.3	7,200	81.4	6,300	88.4	5,500	86.9	4,800	99.7	3,300	107.9	2,900	66
64	79.4	6,700	87.3	6,000	94.2	5,300	92.2	4,500	105.6	3,200	113.5	2,800	64
62	85.0	6,000	92.8	5,600	98.9	5,100	98.4	4,300	111.5	3,100	118.6	2,700	62
60	90.6	5,600	98.4	5,200	103.7	4,800	105.0	4,100	117.1	3,000	123.7	2,600	60
58	95.0	4,800	102.2	4,600	107.0	4,200	110.2	3,600	122.0	2,800	128.4	2,500	58
56	99.4	4,400	106.0	3,800	110.2	3,500	115.8	3,300	126.6	2,400	133.2	2,300	56
54	105.0	3,600	110.4	3,000	115.2	2,600	120.7	2,4600	131.1	2,100	137.3	2,000	54
52	110.6	3,000	114.8	2,600	119.3	2,200	125.7	2,200	135.5	1,800	141.4	1,600	52
50	115.0	2,500	118.8	2,000	123.4	1,700	129.6	1,800	139.8	1,400	145.0	1,300	50
48	119.4	2,100	122.7	1,700	126.8	1,400	133.9	1,300	144.0	900	148.6	900	48
46	122.5	1,500	125.7	1,200	130.2	1,100	137.5	900					46
44	125.7	900	128.6	900									44
Min. boom angle	43°		43°		45°		45°		47°		47°		Min. boom angle

Operator must refer to in-cab 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.

SANY America Inc.
318 SANY Way
Peachtree City | GA 30269
| T | 470-552-SANY

BRCRA26SRA800A001

sanyamerica.com

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