



Quality Changes the World

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SANY GROUP CO., LTD.

Address: SANY Industrial Park, Economic and Technological
Development Zone, Changsha, Hunan, China

Service Hotline: +0086-4006-098-318

E-mail: crd@sany.com.cn

For more information, please visit: www.sanygroup.com

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SANY REACH STACKER

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SANY REACH STACKER, ACHIEVING PROFESSIONAL QUALITY.

P1

Comprehensive Product Series

- Reachstacker
- Container Reachstacker with tilt spreader
- Tube Reachstacker
- Log Reachstacker
- Reachstacker for Intermodal Containers

P3

Advanced Technology Continuous Improvement

- Advanced Core Technologies
- Advanced Manufacturing Technology
- Advanced Design
- Advanced Test & Detection System

P5

Genuine Configuration Testified Quality

- Full-electric Control EFI Diesel Engine
- Fixed-shaft Power Shift Gearbox
- Heavy-load Drive Axle and Brake

P7

Comfortable Ride Extraordinary Enjoyment

- Patent mobile cab technology
- Centralized Joystick
- HD Electronic Monitor
- Steering Gear and Damping Suspension Seat

P9

Energy-saving and High-efficiency Safe and Reliable

- Advanced Hydraulic Load-sensing Technology
- Bus Throttle Control Technology
- Anti Roll-over Protection System
- Spreader Protection System

P11

Perfect Details Brilliant Highlights

- Frameless front window glass
- Advanced industrial shape design
- Built-in exhaust pipe line

P13

Technical Parameters



COMPREHENSIVE PRODUCT SERIES



Container Reach Stacker

Dynamic Anti-overturning Patented Protection Technology
Cab and Weighted Power Drive Technology



Heavyweight Container Reach Stacker

Able for the Operation of 35T Heavy Container in the Second Line
Fully Meet the Requirements of Working Conditions



Container Reach Stacker with Inclinable Spreader

Convenient operation, easy container catching
First inclinable spreader in the world



Tube Reach Stacker

Intelligent Boom Anti-collision Technology
Strong Hoisting Capacity, High Working Efficiency



Wood Reach Stacker

Remarkable Loading / unloading Efficiency
Spreader Safety Protection Technology



Lightweight Container Reach Stacker

Initiated All Over the World, Energy-saving and Consumption-reduction
With Light Weight, Safe Hoisting



Reach Stacker for Intermodal Containers

Advanced Technologies
Powerful Functions
Mechanical-electrical Dual Safety Protection



Empty Container Reach Stacker

Able to Stack 6 Layers of Empty Containers
Initiated in China, Light and Convenient for Operation



Overweight Hurdling Reach Stacker

Able for the Operation of 45T Heavy Container in the Second Line
Easy hoisting, Stable and Reliable



Tube Reach Stacker

Able to Grasp Two Tubes at One Time
Flexible in Yard-turning



SRSC45C Series



SRSC45H8 Series

ADVANCED TECHNOLOGY CONTINUOUS IMPROVEMENT

Ultra-modern manufacturing facilities with a digitally controlled assembly line ensure the perfect manufacturing process and outstanding quality.

Advanced Core Technologies



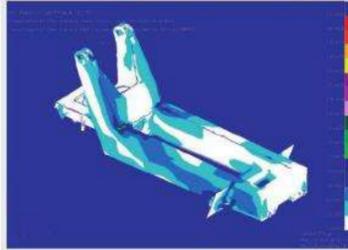
- Advanced Hydraulic Load-Sensing Technology
- Dual Mechanical and Electrical Rollover Protection System
- Automatic Malfunction Detection and Real-Time Data Display Technology
- CAN bus Communication Technology
- Bus Throttle Control Technology
- Intelligent Safety Protection Technology
- Power Drive Patented Technology

Advanced Manufacturing Technology



- The welding of the box frame chassis is applied using gas shielded welding technology. Our machine can withstand stringent tests showing that every key weld has passed with 100% grade non-destructive testing and flaw inspection.
- Integral processing of the frame body promotes the precision.

Advanced Design



- Our design is based on precise data from FEA, kinematics and dynamics simulation analysis, which ensures the durability of boom and frame systems, excellence in performance, and outstanding reliability of the overall machine.



Outstanding Performance

- Advanced Fault Diagnose System
With a comprehensive database, fault information is displayed real-timely. With an experience collection of troubleshooting, the customers can be guided automatically in the maintenance and troubleshooting of machine.
- New Steering System
Convenient steering and easy operation can be realized with multi-grade adjustable steering gear and multi-pump confluence control.
- Inching Control Technology
Multi-function control joystick and precise electro-hydraulic control curve ensure the outstanding inching control, easy operation, and efficient working.



Advanced Testing & Detection System

Our professional Research and Development teams, with their passion for science, strictly test the entire machine's performance and the industrial performance of every product. Various parameter tests are set including stress strain, pressure, displacement, speed, acceleration, torque, and power, and numerous tests and detections are included: fatigue performance, vibratory performance, control performance, and power consumption performance. Only after the product has passed all these tests can it be mass produced and launched.



GENUINE CONFIGURATION TESTIFIED QUALITY



Fully Electric EFI Controlled Diesel Engine

- Fully Electric EFI Control System allows for improved engine performance, better fuel economy and improved emissions control.
- VOLVO or Cummins diesel engines provide clean and efficient power to all SANY Empty- Container Handlers. Standard features include electronic monitoring of diagnostic and maintenance systems, fuel and water separation and protection systems for the engine and transmission.



Fixed-shaft Power Shift Gearbox

- Modulated dual-mode transmissions can operate in automatic or manual shifting mode
- Electro-Hydraulic Control System
- Forward/Backward Electrically Controlled Anti-Reversion Device
- Bevel Gear Transmission
- Fully Built-In Pipeline



Heavy-load Drive Bridge and Brake

- Heavy-load Drive Bridge, durable for impact load under all tough working conditions.
- Traveling brake is air sealed to avoid contamination;
- Parking brake applied to central caliper disc brake is safe and reliable;
- With qualified independent lubricating system which can be easily maintained.



Electric Control System

- Double-Domain controller with broader control capability and range;
- Comprehensive bus system with exact and reliable data transmission;
- Easy conversion between Normal Mode and Energy-Saving Mode;
- GPS Remote Control System.

Hydraulic System

- Hydraulic elements of world renowned brands which are reliable and durable;
- Double-Pump Power Technology for effortless lifting of heavy loads;
- Flow Amplifier equipped for flexible steering.



COMFORTABLE RIDE EXTRAORDINARY ENJOYMENT

Ergonomically designed cab with streamline shape and open view. Comfortable space, centralized joystick, convenient display screen and switches, adjustable steering gear and suspension seat which minimizes operator fatigue.



Patent mobile cab technology

- Adjustable cab position dynamically changes operation visibility and provides easy maintenance access.

Sound-Absorbing and Noise Cancelling

- Containment of the cab, as well as the application of green noise cancelling and sound insulating materials, is healthy and environment-friendly.



Warm-Cold Air-Conditioner

- Anti-fogging, defrosting, and ventilating, available for all-weather work.

Integrated Cab Radio

- New experience of MP3 player, relieving the operator's fatigue during work.

Centralized Joystick

- Humanized design, precise control, swift and convenient operation.



High-Resolution Electronic Monitor

- An efficient and reliable tool for displaying the system's diagnostic results of lifting weight, luffing angle, hoisting height, main system pressure, engine status, oil level, and malfunctions.



The ergonomic designed cab brings you extraordinary enjoyment.

Superior Peripheral View

Humanized design cab with elegant shape and open view, easing tension and fatigue of the operator to promote working efficiency.



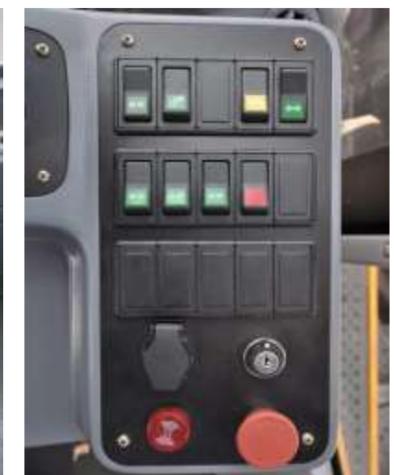
Steering Gear and Damping Suspension Seat

Available for being adjusted to every position, relieving the operator's fatigue.



Industrial Molding Control Panel

Elegant design, logical layout, swift and convenient operation.



ENERGY-SAVING AND HIGH-EFFICIENCY SAFE AND RELIABLE

The oil pressure, boom length, boom angle, and roll-over are detected real-timely to carry out torque protection. The tipping signal can be detected when the tipping torque reaches a certain value. Pitching and extending of boom will be locked by the controller immediately, and only retracting can be operated. This system has high intelligence, effective control, high preciseness, and high reliability.



Advanced Hydraulic Load-Sensing Technology

- This technology is applied to save energy. Once the load condition changes, the proportional change valve sends a feedback signal to the load sensor of the variable plunger pump to control output flow from oil pump, thus controlling output power from engine and increasing energy efficiency.

Bus Throttle Control Technology

- Controller is used to send Bus messages to engine, conveying speed under different working conditions. In this way, the engine has the function of automatic acceleration for convenient operation and avoiding failure of loaded engine in low speed, which not only protects engine but also saves energy.



Solid Tyre Safety Protection Technology

Solid tyre free of maintenance is optional for this machine to increase the service life of tyre. Combined with the chassis flexible suspension technology, the safety of whole machine is increased.

Alarm System

- Overrun Protection System: Engine will be turned off automatically if pressure of engine oil is low, temperature of engine oil or water is high, water level in tank is low, or oil temperature of gearbox is high.
- Travel Protection System: Non-Load and Load speed limit protection.
- Data Compensation Function Protection System.

Anti-Rollover Protection System

- Dual Independent Mechanical and Electrical Anti-Rollover Protection System.
- Dual audible and visual signal alarms when lift is overloaded, during which boom can not stretch or pitch but only retract.



Spreader Protection System

- Equipped with Electrical and Mechanical Chain Lock Device, performs interlock by screwing the lock.
- The Reachstacker can only carry out operations when the locks are all "Full Open" or all "Full Lock".
- Mechanical Anti-Release of the Hook is equipped to the lock pin.



High reliability - the essence of SANY products

Reliable Working Performance

Patented moveable counterweight technology enhances the hoisting capability of the machine.



The Machine's Structure

High quality steel and design criteria, provides greater rigidity. Superior structure design and processing make SANY Reach Stacker more reliable.



Long Malfunction Intervals

This machine is reliable with long malfunction intervals.



PERFECT DETAILS BRILLIANT HIGHLIGHTS



Invisible Air-exhaust Pipe

- Exhaust pipe is fitted in the body's frame to avoid erosion, breaking, and short service life.

Safety Device of Hydraulic Lock

- Hydraulic lock is equipped to oil port of pitching cylinder, and it blocks oil flow if high pressure hydraulic oil pipe blows out or breaks off. Then the cylinder is locked and pitching motion of the boom is stopped to ensure safety.



Perfect Details

- Aerofoil boom, features anti-torsion ability and stability, convenient for regular examination and maintenance.
- No blind spots in front windshield glass provides open view and helps catching container at certain positions.
- One side girder of the frame body is used as the fuel tank, thus reducing manufacturing cost. Steel plate of frame girder is thick, which strengthens overall tank and saves space.
- By adopting advanced industrial shape design, the complete machine presents compact structure, logical layout, elegant shape, and aesthetic appearance.

Convenient Lubrication

- With centralized and separate lubrication types both being applied, SANY Reachstacker avoids complexity caused by applying centralized lubrication pipes and avoids operating difficulties at some parts caused by applying separate lubrication pipes.

Sliding Block with High Wearing Resistance

- MC Nylon Slide Blocks, which are light, intensive, and good in wear resistance, are equipped at the head of basic boom and end of telescopic boom. They support, direct, and decrease friction and impact vibration in Telescopic Boom movement.



Fire-proof System of Whole Machine

- SANY reach stacker is equipped with automatic fire-extinguishing system and regular fire extinguishers of stable and reliable fire-proof performance.



SRSC45H8 GE & CN TOP TECHNOLOGIES

- HIGHLY ENERGY-SAVING
- HIGH EFFICIENCY
- HIGH SECURITY
- HIGH RELIABILITY
- HIGHLY COMFORTABLE
- H-TYPE SPREADER
- HIGH MAINTENABILITY
- HIGH RETURN



SRSC45H8

Configuration parameters

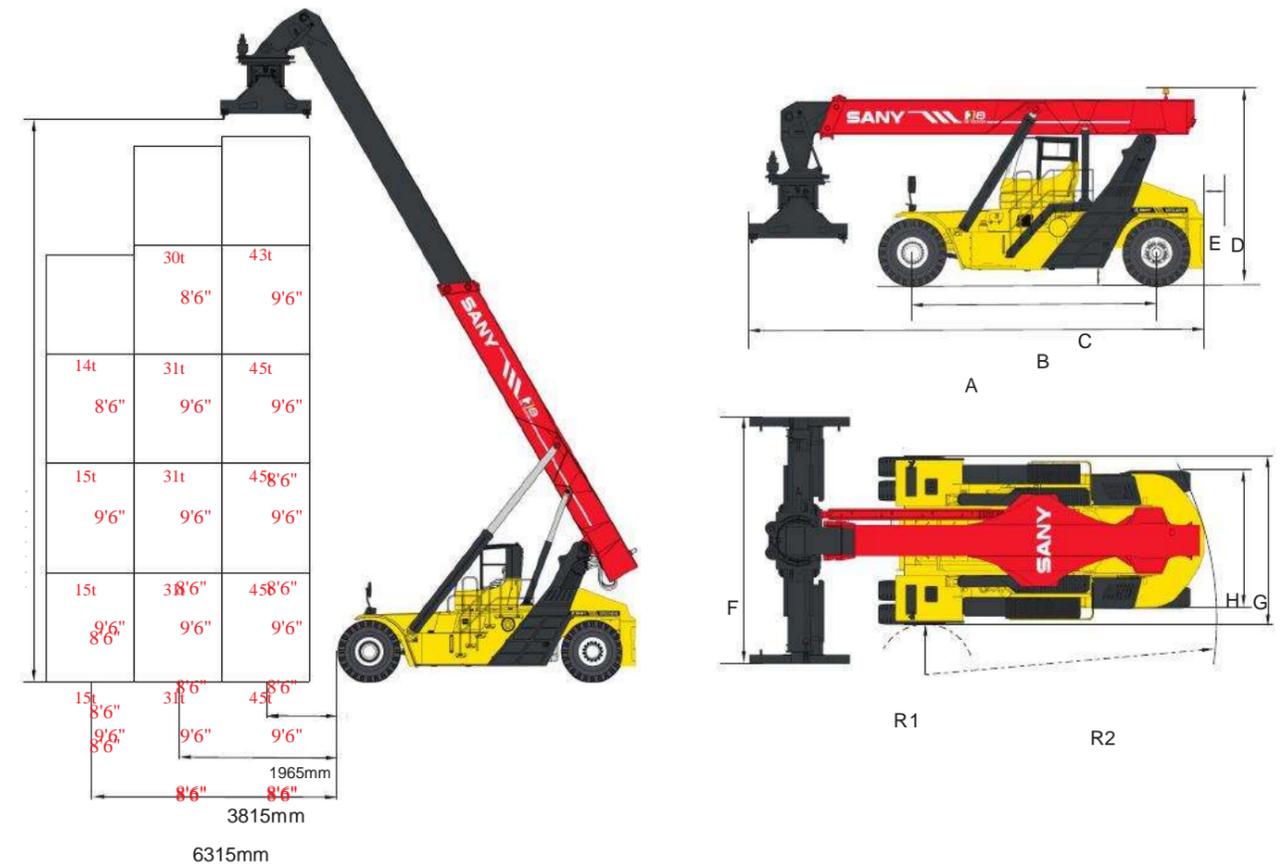
Engine	Type	VOLVO TAD1340VE	Spreader	Type	SDJ450H-R1
	Rated power	256kW/2100rpm		Rotary angle	+105°/-195°
	Exhaust standard	EU Stage II		Side shift range	±800 mm
Gearbox		CLARK 15.5HR36000		Application	20'-40' International Standard Empty Containers
Drive Axle		KESSLER D102 PL341	Dimension of tyre		18.00-25 (solid tyre for option)

Main parameters

A (Overall length)	11220mm
B (Wheel base)	6000mm
C (Min. ground clearance)	350mm
D (Overall height)	4770mm
E (Weight motion distance)	500mm
F (Overall width)	6042-12175mm
G (Front wheel width)	4188mm
H (Rear wheel width)	3310mm
R1 (Front wheel turning radius)	1200mm
R2 (Min. turning radius)	8000mm

Performance parameters

Overall weight	69.5t
Max. Load	45t
Layer of stack	5(9'6"/8'6")
Max. Hoisting speed	Load:250mm/s Non-load:420mm/s
Max. Descending speed	Load:300mm/s Non-load:360mm/s
Max. Travel speed	Load:21km/h Non-load:25km/h
Grade-ability	Load:32% Non-load:39%
Cab noise	≤70dB
Max. Hoisting height	15100mm
Tilt angle	0-60°



TECHNICAL PARAMETERS

CLASSIC C-TYPE REACH STACKER

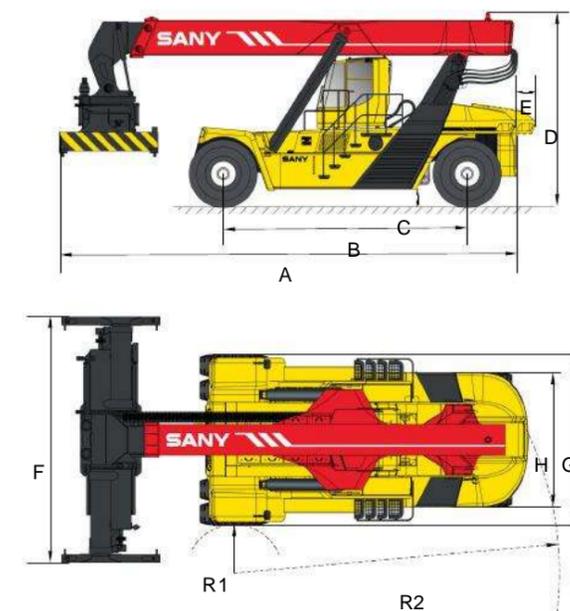
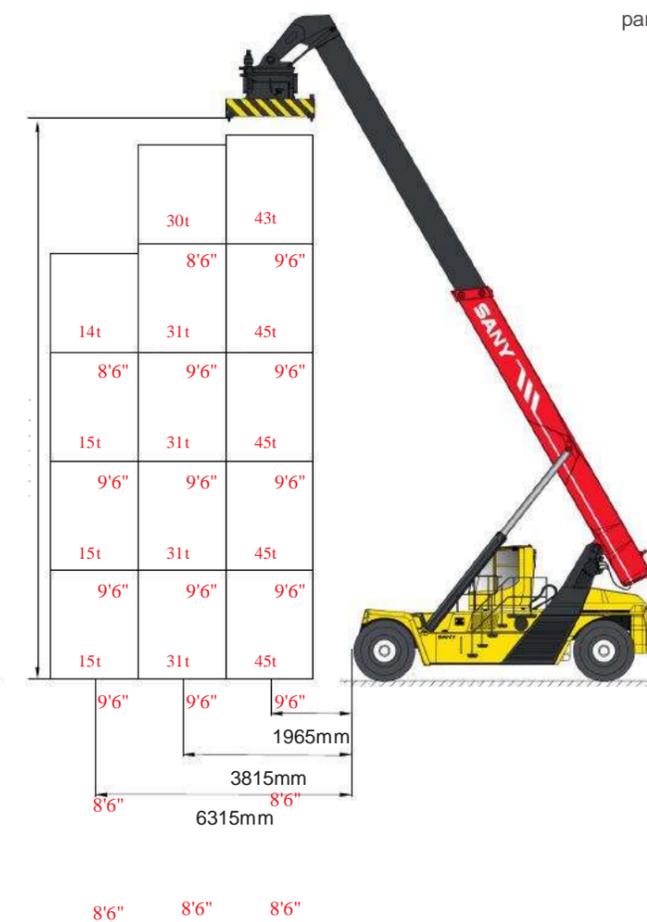
- Advanced Hydraulic Load-Sensing Technology
- Dynamic Anti-overturning Protection Technology
- Automatic Malfunction Detection and Real-Time Data Display Technology
- CAN bus Communication Technology
- Bus Throttle Control Technology
- Intelligent Safety Protection Technology
- Power Drive Patented Technology

Configuration parameters		SRSC45C30	SRSC45C1	SRSC45C2
Engine	Type	VOLVO TAD1340VE	VOLVO TAD952VE	CUMMINS QSM11(III)
	Rated power	256kw/2100rpm	240kw/2100rpm	250kw/2100rpm
	Exhaust standard	EU Stage II	EU StageIII	EU StageIII
Gearbox		CLARK 15.5HR36000	CLARK 15.5HR36000	CLARK 15.5HR36000
Drive Axle		KESSLER D102 PL341	KESSLER D102 PL341	KESSLER D102 PL341
Spreader	Type	SDJ450 or ELME817	SDJ450 or ELME817	SDJ450 or ELME817
	Rotary angle	+105°/-195°	+105°/-195°	+105°/-195°
	Side shift range	±800 mm	±800 mm	±800 mm
	Application	20'-40' International Standard Containers	20'-40' International Standard Containers	20'-40' International Standard Containers
Dimension of tyre		18.00-25 40PR	18.00-25 40PR	18.00-25 40PR

Main parameters	
A (Overall length)	11258mm
B (Wheel base)	6000mm
C (Min. ground clearance)	350mm
D (Overall height)	4770mm
E (Weight motion distance)	-
F (Overall width)	6042-12175mm
G (Front wheel width)	4188mm
H (Rear wheel width)	3310mm
R1 (Front wheel turning radius)	1200mm
R2 (Min. turning radius)	8000mm

Performance parameters	
Overall weight	72t
Max. Load	45t
Layer of stack	5(9'6"/8'6")
Max. Hoisting speed	Load:250mm/s Non-load:420mm/s
Max. Descending speed	Load:300mm/s Non-load:360mm/s
Max. Travel speed	Load:21km/h Non-load:25km/h
Gradeability	Load:32% Non-load:39%
Cab noise	≤70dB
Max. Hoisting height	15100mm
Tilting angle of boom	0~60°

NOTE: The C-type container reach stackers are of the same basic parameters and performance parameters, except for the configurations.



EMPTY CONTAINER REACH STACKER

- Dynamic Anti-overturning Protection Technology
- Advanced Pressure Compensation Technology
- CAN-BUS Communication Technology
- Bus Throttle Control Technology
- Flow Amplifying Technology
- Vertical Lifting Technologies of Boom
- Intelligent Safety Protection Technology



SRSC1009-6E

Configuration parameters

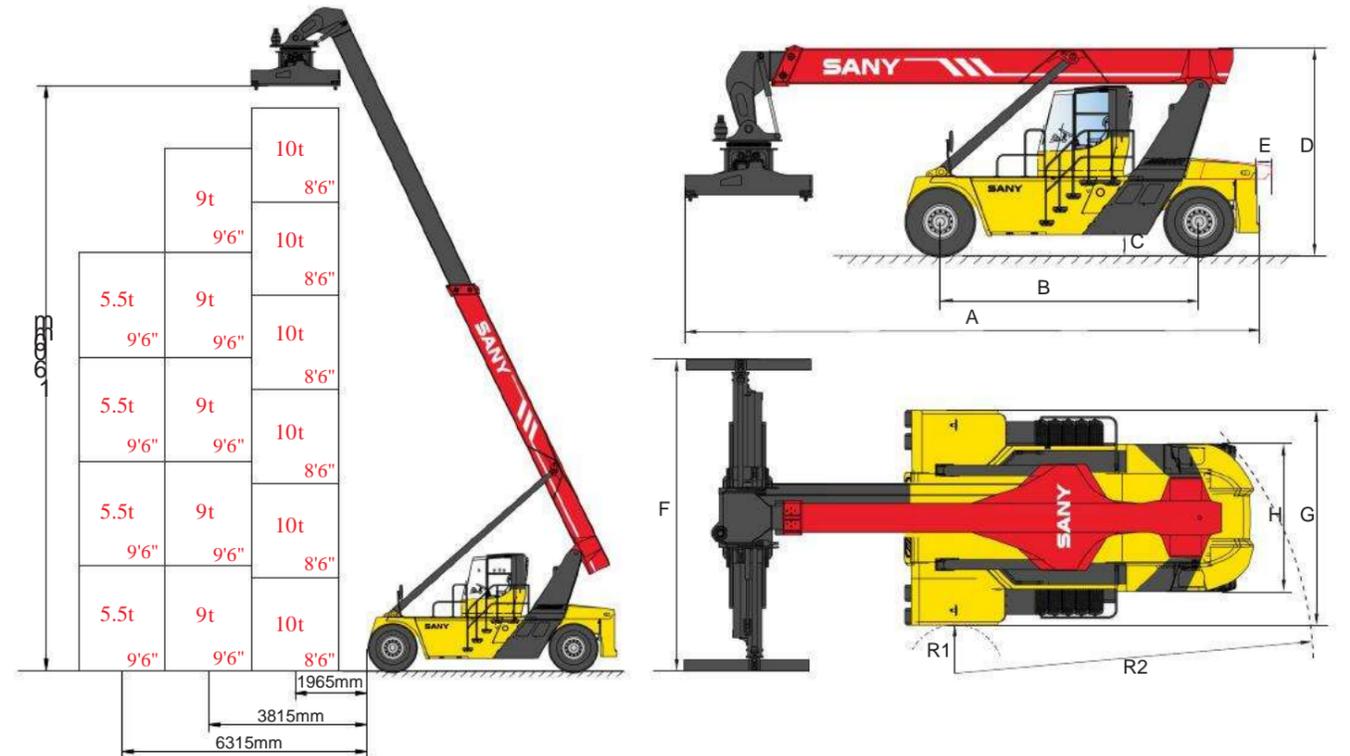
Engine	Type	CUMMINS QSB 6.7	Spreader	Type	SDJE100-R1
	Rated power	164kw/2300rpm		Rotary angle	+105°/-195°
	Exhaust standard	EU StageIII		Side shift range	±800 mm
Gearbox		CLARK 13.7HR32334		Application	20'-40' International Standard Empty Containers
Drive Axle		KESSLER D81 PL488		Dimension of tyre	14.00-24 28PR

Main parameters

A (Overall length)	11000mm
B (Wheel base)	5000mm
C (Min. ground clearance)	250mm
D (Overall height)	4000mm
E (Weight motion distance)	-
F (Overall width)	6033mm
G (Front wheel width)	4188mm
H (Rear wheel width)	2862mm
R1 (Front wheel turning radius)	755mm
R2 (Min. turning radius)	6800mm

Performance parameters

Overall weight	39t
Max. Load	10t
Layer of stack	6(8'6")
Max. Hoisting speed	Load:400mm/s Non-load:450mm/s
Max. Descending speed	Load:400mm/s Non-load:400mm/s
Max. Travel speed	Load:25km/h Non-load:28km/h
Gradeability	Load:27% Non-load:33%
Cab noise	≤70dB
Max. Hoisting height	16200mm
Tilting angle of boom	0-64.5°



LIGHTWEIGHT CONTAINER REACH STACKER

- Dynamic Anti-overturning Protection Technology
- Advanced Pressure Compensation Technology
- CAN-BUS Communication Technology
- Bus Throttle Control Technology
- Flow Amplifying Technology
- Vertical Lifting Technologies of Boom
- Intelligent Safety Protection Technology



SRSC3515-3

Configuration parameters

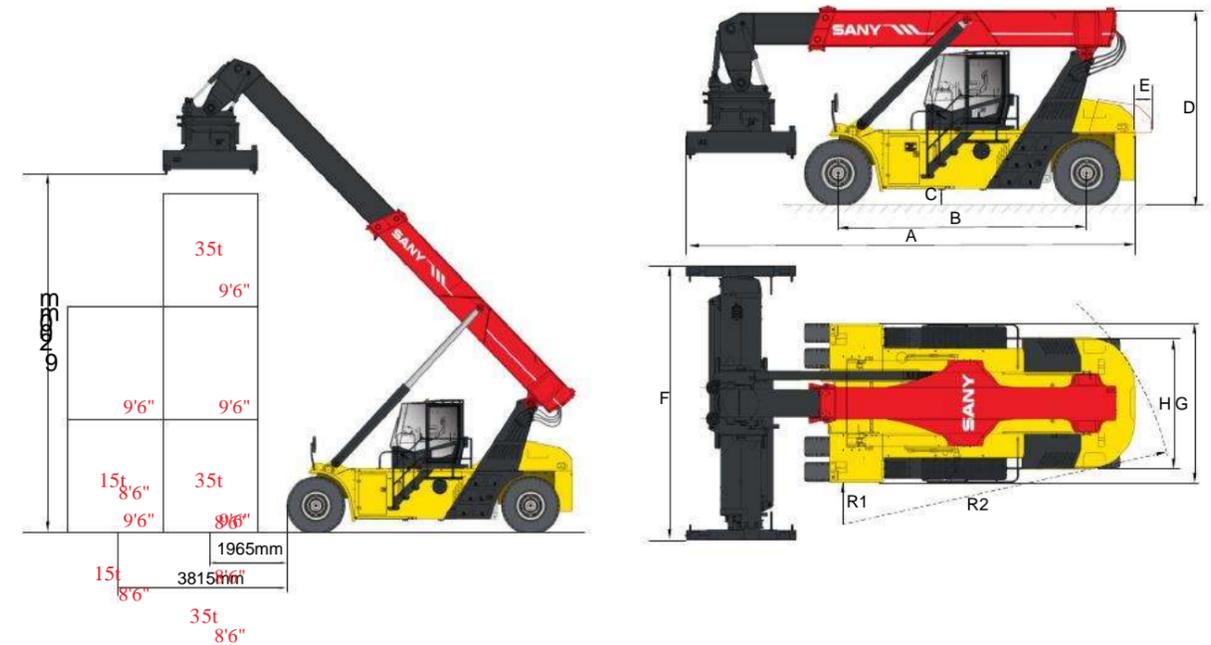
Engine	Type	VOLVO TAD760VE	Spreader	Type	SDJ450F-R3
	Rated power	181kw/2300rpm		Rotary angle	+105°/-195°
	Exhaust standard	EU StageIII		Side shift range	±800 mm
Gearbox		DANA 340TE17312		Application	20'-40' International Standard Empty Containers
Drive Axle		KESSLER D91		Dimension of tyre	16.00-25 32PR

Main parameters

A (Overall length)	9930mm
B (Wheel base)	5500mm
C (Min. ground clearance)	320mm
D (Overall height)	4400mm
E (Weight motion distance)	-
F (Overall width)	6073mm
G (Front wheel width)	3520mm
H (Rear wheel width)	2910mm
R1 (Front wheel turning radius)	1100mm
R2 (Min. turning radius)	7500mm

Performance parameters

Overall weight	54t
Max. Load	35t
Layer of stack	3(9'6"/8'6")
Max. Hoisting speed	Load:220mm/s Non-load:420mm/s
Max. Descending speed	Load:300mm/s Non-load:360mm/s
Max. Travel speed	Load:18km/h Non-load:28km/h
Gradeability	Load:22% Non-load:36%
Cab noise	≤70dB
Max. Hoisting height	9200mm
Tilting angle of boom	0-46°



WOOD REACH STACKER

- Wood Spreader Safety Protection Technology
- Wood Spreader Side-Shift Technology
- Optimized Design of Spreader Structure
- Flow Amplifying Technology
- Dynamic Anti-overturning Protection Technology
- Vertical Lifting Technologies of Boom
- Power Motion Patented Technology
- FEA, Dynamic Simulation Technology



SRSW31C

Configuration parameters

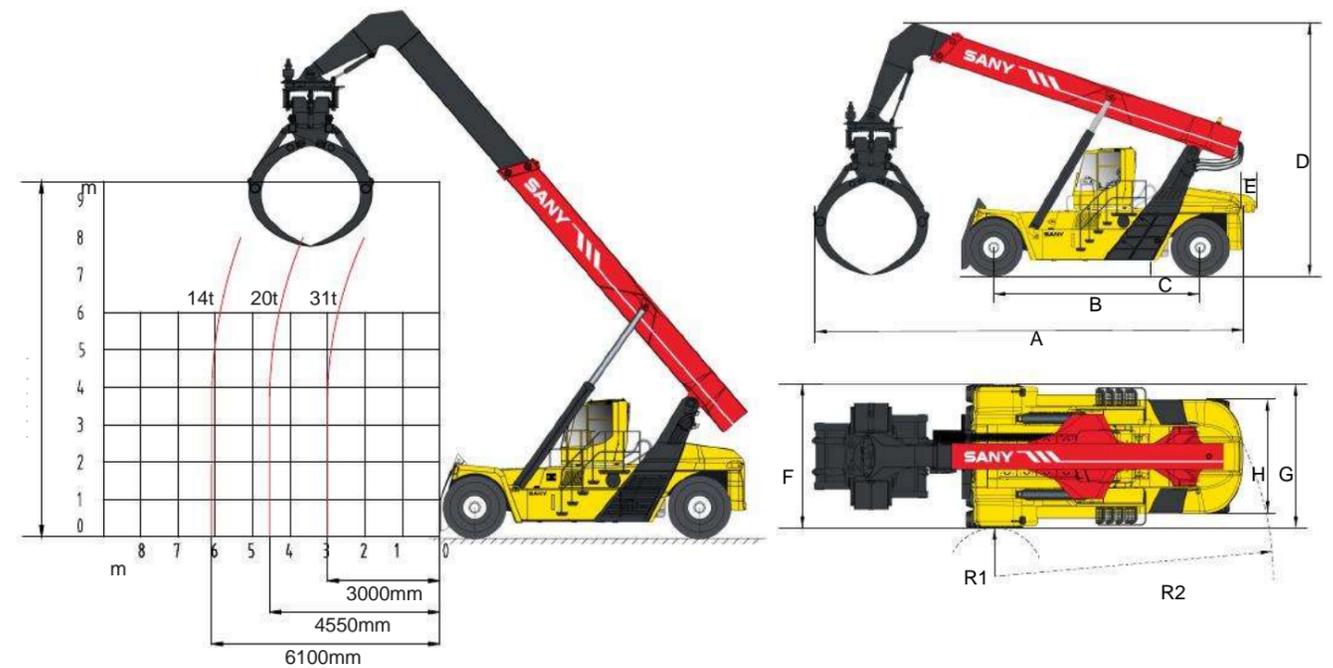
Engine	Type	VOLVO TAD1340VE	Spreader	Type	SWG310-R3
	Rated power	256kw/2100rpm		Rotary angle	+30°-30°
	Exhaust standard	EU Stage II		Side shift range	±400 mm
Gearbox		CLARK 15.5HR36000		Min. clamping diameter	800mm
				Max. clamping area	2
Drive Axle		KESSLER D102 PL341			4.8m
Dimension of tyre		18.00-25 40PR			

Main parameters

A (Overall length)	12460mm
B (Wheel base)	6000mm
C (Min. ground clearance)	350mm
D (Overall height)	7290mm
E (Weight motion distance)	-
F (Overall width)	4188mm
G (Front wheel width)	4188mm
H (Rear wheel width)	3310mm
R1 (Front wheel turning radius)	1200mm
R2 (Min. turning radius)	8000mm

Performance parameters

Overall weight	72t
Max. Load	31t
Max. Hoisting speed	Load:250mm/s Non-load:420mm/s
Max. Descending speed	Load:300mm/s Non-load:360mm/s
Max. Travel speed	Load:25km/h Non-load:28km/h
Gradeability	Load:32% Non-load:39%
Cab noise	≤70dB
Max. Hoisting height	9500mm
Tilting angle of boom	0-60°



CONTAINER REACH STACKER WITH INCLINABLE SPREADER

- C.g. automatic adjusting technology
- Advanced Hydraulic Load-Sensing Technology
- Dynamic Anti-overturning Protection Technology
- Automatic Malfunction Detection and Real-Time Data Display Technology
- CAN bus Communication Technology
- Bus Throttle Control Technology
- Intelligent Safety Protection Technology

SRSC4032C3-S

Configuration parameters

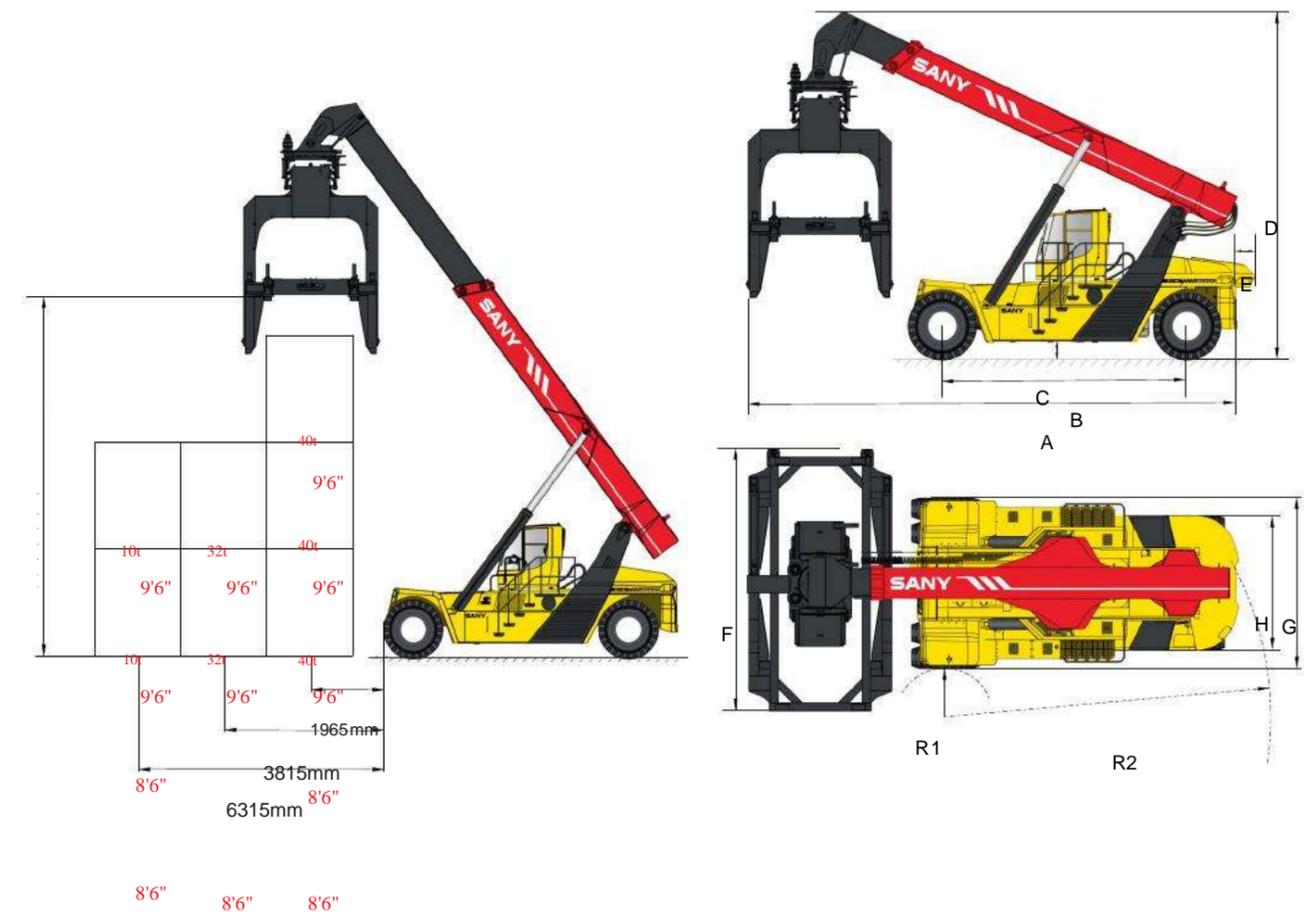
Engine	Type	CUMMINS QSM11(II)	Spreader	Type	SDJS320C1
	Rated power	250kw/2100rpm		Rotary angle	+105°/-195°
	Exhaust standard	EU Stage II		Side shift range	±500 mm
Gearbox		CLARK 15.5HR36000		Tilt angle	0~50°
Drive Axle		AxleTech PRC7534W4H		Application	20' International Standard Containers
Dimension of tyre		18.00-25 40PR			

Main parameters

A (Overall length)	11970mm
B (Wheel base)	6000mm
C (Min. ground clearance)	350mm
D (Overall height)	8535mm
E (Weight motion distance)	-
F (Overall width)	6243mm
G (Front wheel width)	4188mm
H (Rear wheel width)	3310mm
R1 (Front wheel turning radius)	1200mm
R2 (Min. turning radius)	8000mm

Performance parameters

Overall weight	76t
Max. Load	40t
Layer of stack	3(9'6"/8'6")
Max. Hoisting speed	Load:250mm/s Non-load:420mm/s
Max. Descending speed	Load:300mm/s Non-load:360mm/s
Max. Travel speed	Load:21km/h Non-load:25km/h
Grade ability	Load:32% Non-load:39%
Cab noise	≤70dB
Max. Hoisting height	11050mm
Tilting angle of boom	0~54°



TECHNICAL PARAMETERS

HEAVYWEIGHT CONTAINER REACH STACKER

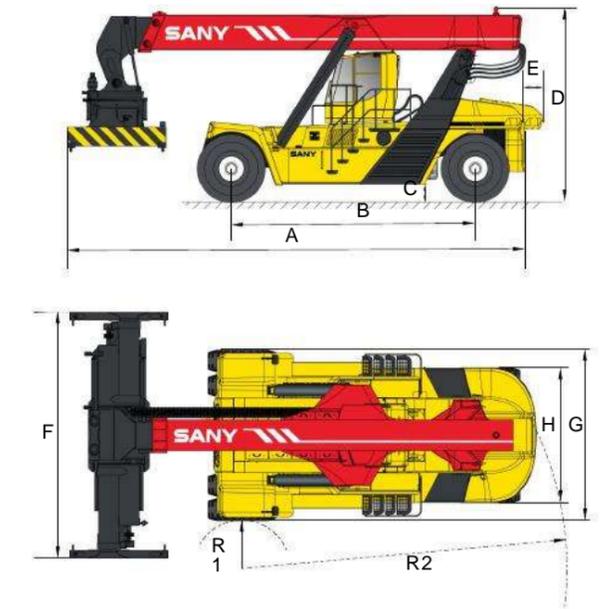
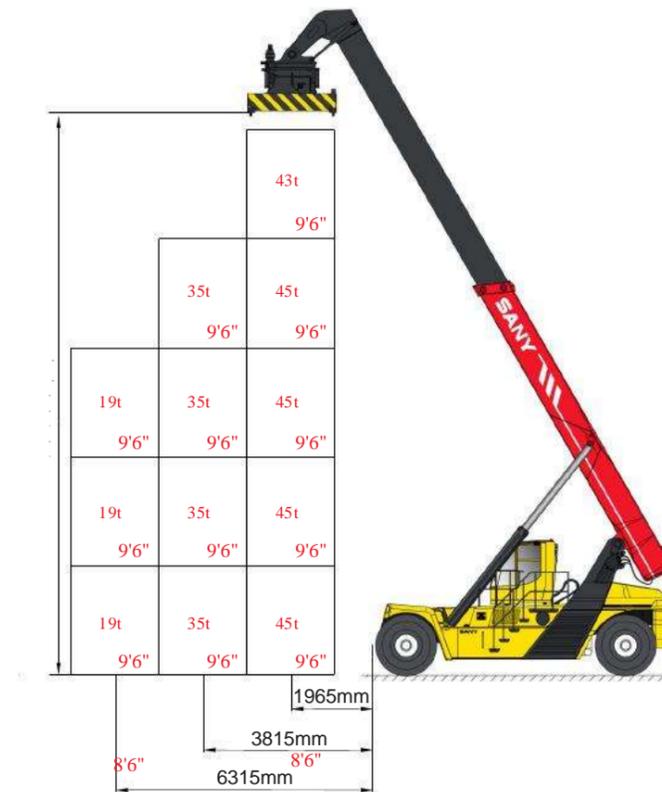
- Advanced Hydraulic Load-Sensing Technology
- Dynamic Anti-overturning Protection Technology
- Automatic Malfunction Detection and Real-Time Data Display Technology
- CAN bus Communication Technology
- Bus Throttle Control Technology
- Intelligent Safety Protection Technology



Configuration parameters		SRSC4535	SRSC4535C
Engine	Type	CUMMINS QSM11(III)	VOLVO TAD1340VE
	Rated power	250kw/2100rpm	256kw/2100rpm
	Exhaust standard	EU StageIII	EU Stage II
Gearbox		CLARK 15.5HR36000	CLARK 15.5HR36000
Drive Axle		KESSLER D102 PL341	KESSLER D102 PL341
Spreader	Type	SDJ450 or ELME817	SDJ450 or ELME817
	Rotary angle	+105°-195°	+105°-195°
	Side shift range	±800 mm	±800 mm
	Application	20'-40' International Standard Containers	20'-40' International Standard Containers
Dimension of tyre		18.00-25 40PR	18.00-33 36PR

Main parameters	
A (Overall length)	11770mm
B (Wheel base)	6500mm
C (Min. ground clearance)	350mm
D (Overall height)	4780mm
E (Weight motion distance)	-
F (Overall width)	6042-12175mm
G (Front wheel width)	4188mm
H (Rear wheel width)	3310mm
R1 (Front wheel turning radius)	1370mm
R2 (Min. turning radius)	8730mm

Performance parameters	
Overall weight	76t
Max. Load	45t
Layer of stack	5(9'6"/8'6")
Max. Hoisting speed	Load:250mm/s Non-load:420mm/s
Max. Descending speed	Load:300mm/s Non-load:360mm/s
Max. Travel speed	Load:21km/h Non-load:25km/h
Gradeability	Load:32% Non-load:39%
Cab noise	≤70dB
Max. Hoisting height	15100mm
Tilting angle of boom	0-60°



HEAVYWEIGHT CONTAINER REACH STACKER

- Advanced Hydraulic Load-Sensing Technology
- Dynamic Anti-overturning Protection Technology
- Automatic Malfunction Detection and Real-Time Data Display Technology
- CAN bus Communication Technology
- Bus Throttle Control Technology
- Intelligent Safety Protection Technology

SRSC4535C1

Configuration parameters

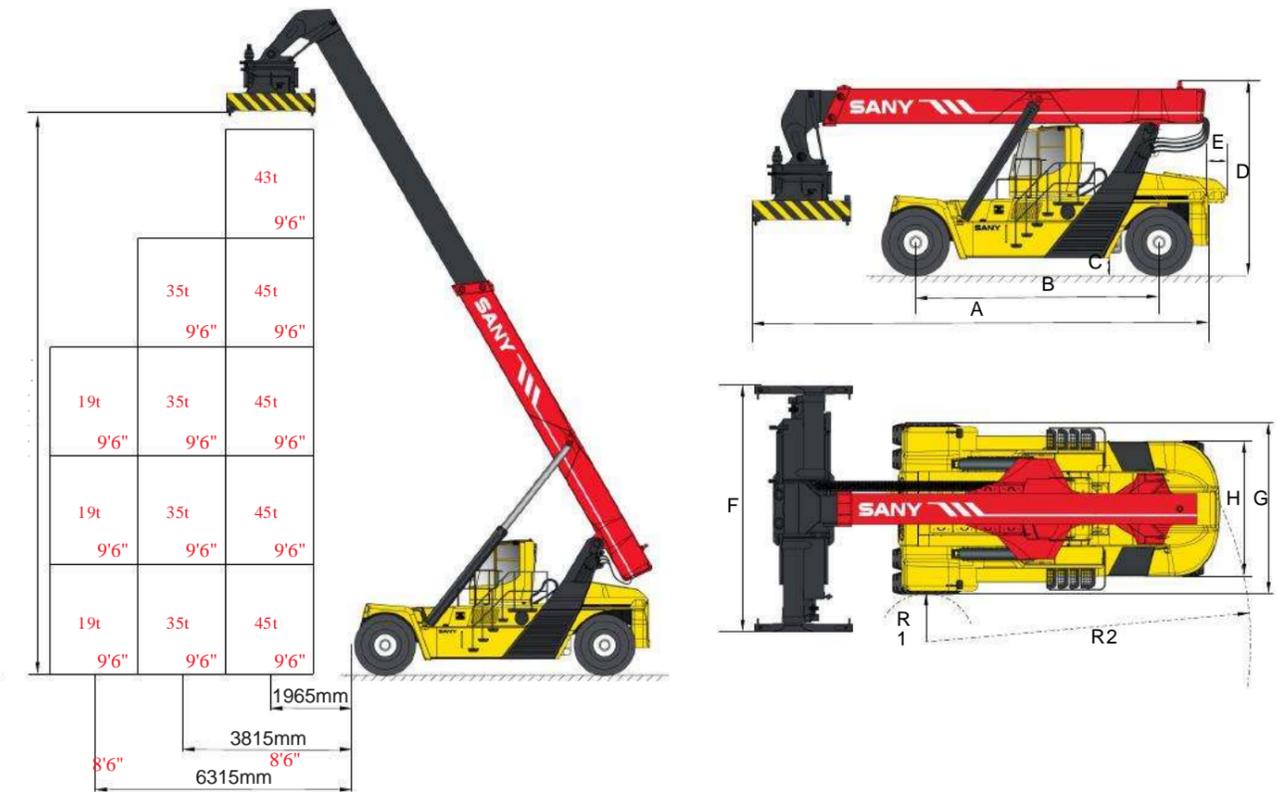
Engine	Type	VOLVO TAD952VE	Spreader	Type	SDJ450 or ELME817
	Rated power	240kw/2100rpm		Rotary angle	+105°/-195°
	Exhaust standard	EU StageIII		Side shift range	±800 mm
Gearbox		CLARK 15.5HR36000		Application	20'-40' International Standard Containers
Drive Axle		KESSLER D102 PL341		Dimension of tyre	18.00-33 36PR

Main parameters

A (Overall length)	11960mm
B (Wheel base)	6600mm
C (Min. ground clearance)	350mm
D (Overall height)	4880mm
E (Weight motion distance)	-
F (Overall width)	6042-12175mm
G (Front wheel width)	4188mm
H (Rear wheel width)	3310mm
R1 (Front wheel turning radius)	1370mm
R2 (Min. turning radius)	8730mm

Performance parameters

Overall weight	78t
Max. Load	45t
Layer of stack	5(9'6"/8'6")
Max. Hoisting speed	Load:250mm/s Non-load:420mm/s
Max. Descending speed	Load:300mm/s Non-load:360mm/s
Max. Travel speed	Load:21km/h Non-load:25km/h
Gradeability	Load:24% Non-load:38%
Cab noise	≤70dB
Max. Hoisting height	15100mm
Tilting angle of boom	0-60°



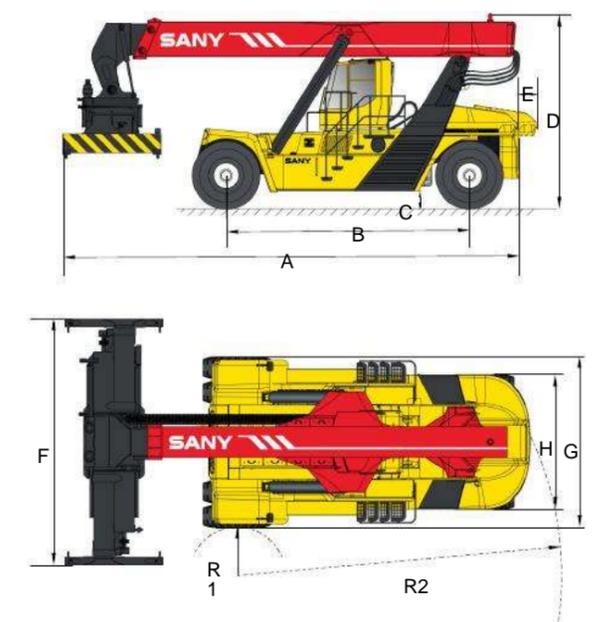
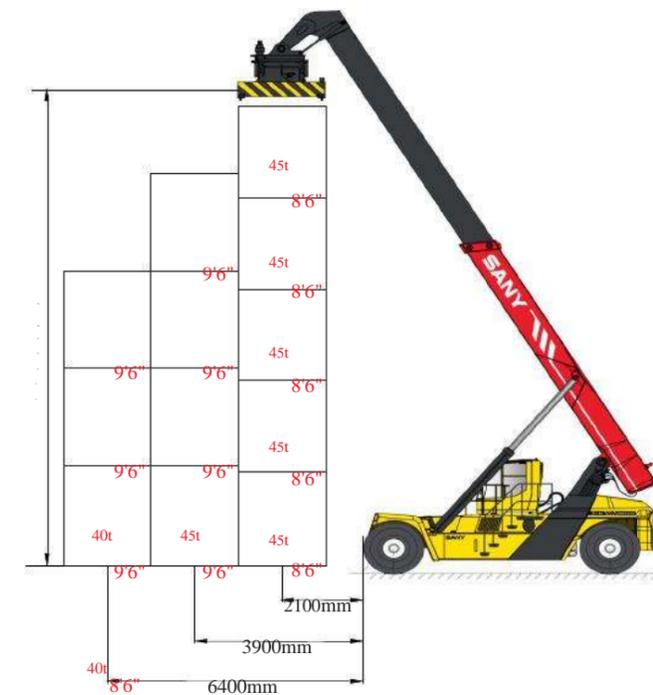
HEAVYWEIGHT CONTAINER REACH STACKER

- Advanced Hydraulic Load-Sensing Technology
- Dynamic Anti-overturning Protection Technology
- Automatic Malfunction Detection and Real-Time Data Display Technology
- CAN bus Communication Technology
- Bus Throttle Control Technology
- Intelligent Safety Protection Technology

Configuration parameters		SRSC4545C	SRSC4545C2-80
Engine	Type	VOLVO TAD1340VE	CUMMINS QSM11(III)
	Rated power	256kw/2100rpm	250kw/2100rpm
	Exhaust standard	EU Stage II	EU StageIII
Gearbox		CLARK 15.5HR36000	CLARK 15.5HR36000
Drive Axle		AxleTech PRC7534W4H	AxleTech PRC7534W4H
Spreader	Type	SDJ450 or ELME817	SDJ450 or ELME817
	Rotary angle	+105°-195°	+105°-195°
	Side shift range	±800 mm	±800 mm
	Application	20'-40' International Standard Containers	20'-40' International Standard Containers
	Dimension of tyre	21.00-35 36PR	21.00-35 36PR

Main parameters	
A (Overall length)	13270mm
B (Wheel base)	8000mm
C (Min. ground clearance)	420mm
D (Overall height)	5230mm
E (Weight motion distance)	-
F (Overall width)	6042-12175mm
G (Front wheel width)	4362mm
H (Rear wheel width)	3710mm
R1 (Front wheel turning radius)	1600mm
R2 (Min. turning radius)	10000mm

Performance parameters	
Overall weight	95t
Max. Load	45t
Layer of stack	5(8'6")
Max. Hoisting speed	Load:220mm/s Non-load:400mm/s
Max. Descending speed	Load:280mm/s Non-load:360mm/s
Max. Travel speed	Load:15km/h Non-load:20km/h
Gradeability	Load:17% Non-load:26%
Cab noise	≤70dB
Max. Hoisting height	13600mm
Tilting angle of boom	0~50°



TUBE REACH STACKER

- Spreader Quick-change Technology
- Dynamic Anti-overturning Protection Technology
- Automatic Malfunction Detection And Real-time Data Display Technology
- Can Bus Communication Technology
- Bus Throttle Control Technology
- Intelligent Safety Protection Technology

SRST50C-H

Configuration parameters

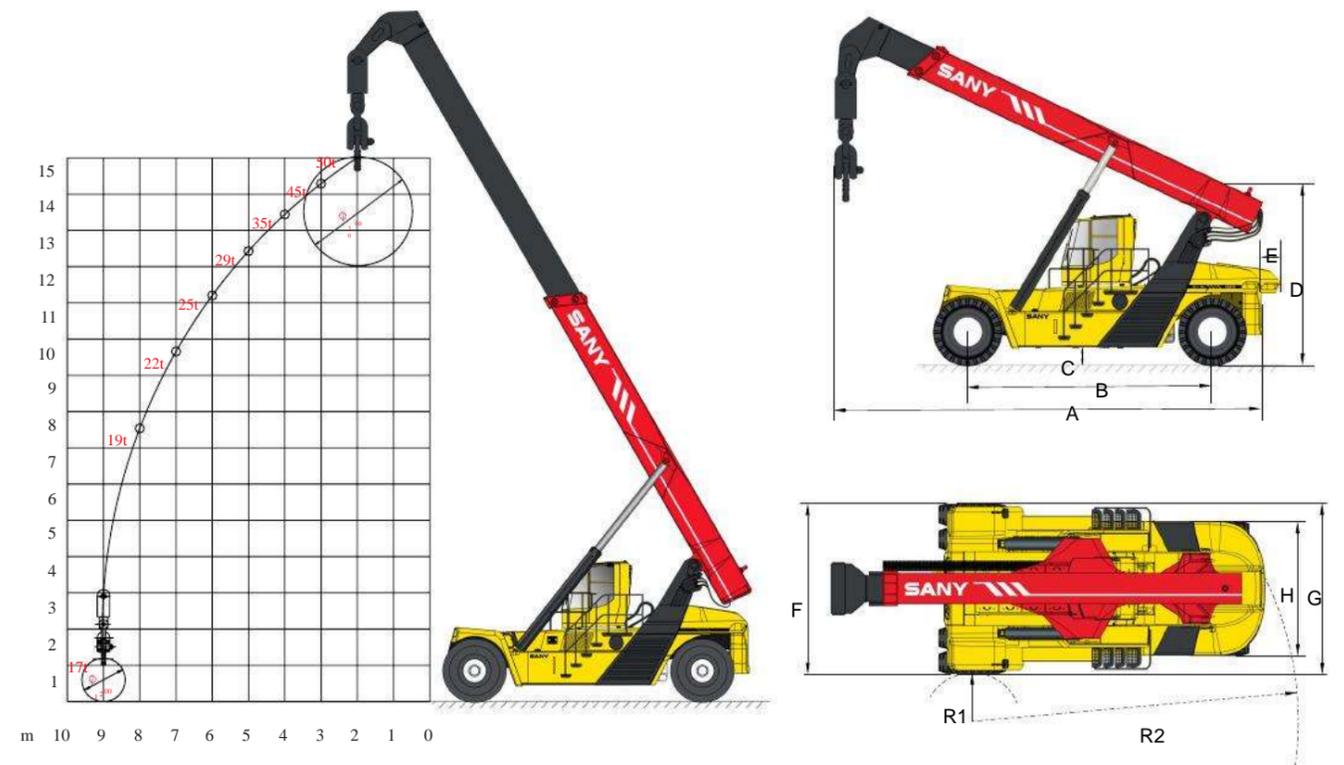
Engine	Type	VOLVO TAD1340VE	Spreader	Type	SDJ400G
	Rated power	256kw/2100rpm		Rotary angle	360°
	Exhaust standard	EU Stage II		Side shift range	-
Gearbox		CLARK 15.5HR36000		Application	Tube
Drive Axle		KESSLER D102 PL341		Dimension of tyre	18.00-25 40PR

Main parameters

A (Overall length)	10552mm
B (Wheel base)	6000mm
C (Min. ground clearance)	350mm
D (Overall height)	4770mm
E (Weight motion distance)	-
F (Overall width)	4188mm
G (Front wheel width)	4188mm
H (Rear wheel width)	3310mm
R1 (Front wheel turning radius)	1200mm
R2 (Min. turning radius)	8000mm

Performance parameters

Overall weight	64t
Max. Load	50t
Max. Hoisting speed	Load:250mm/s Non-load:420mm/s
Max. Descending speed	Load:300mm/s Non-load:360mm/s
Max. Travel speed	Load:21km/h Non-load:25km/h
Gradeability	Load:32% Non-load:39%
Cab noise	≤70dB
Max. Hoisting height	15100mm
Tilting angle of boom	0~60°



REACH STACKER FOR INTERMODAL CONTAINERS

- Sany Reach Stacker for Intermodal Containers is able to transfer or stack 20'/30'/35'/40' iso standard containers, as well as to transport en284 non-stacking containers
- Dynamic Anti-overturning Protection Technology
- Automatic Malfunction Detection And Real-time Data Display Technology
- Can Bus Communication Technology
- Bus Throttle Control Technology
- Intelligent Safety Protection Technology

SRSC45C2-P

Configuration parameters

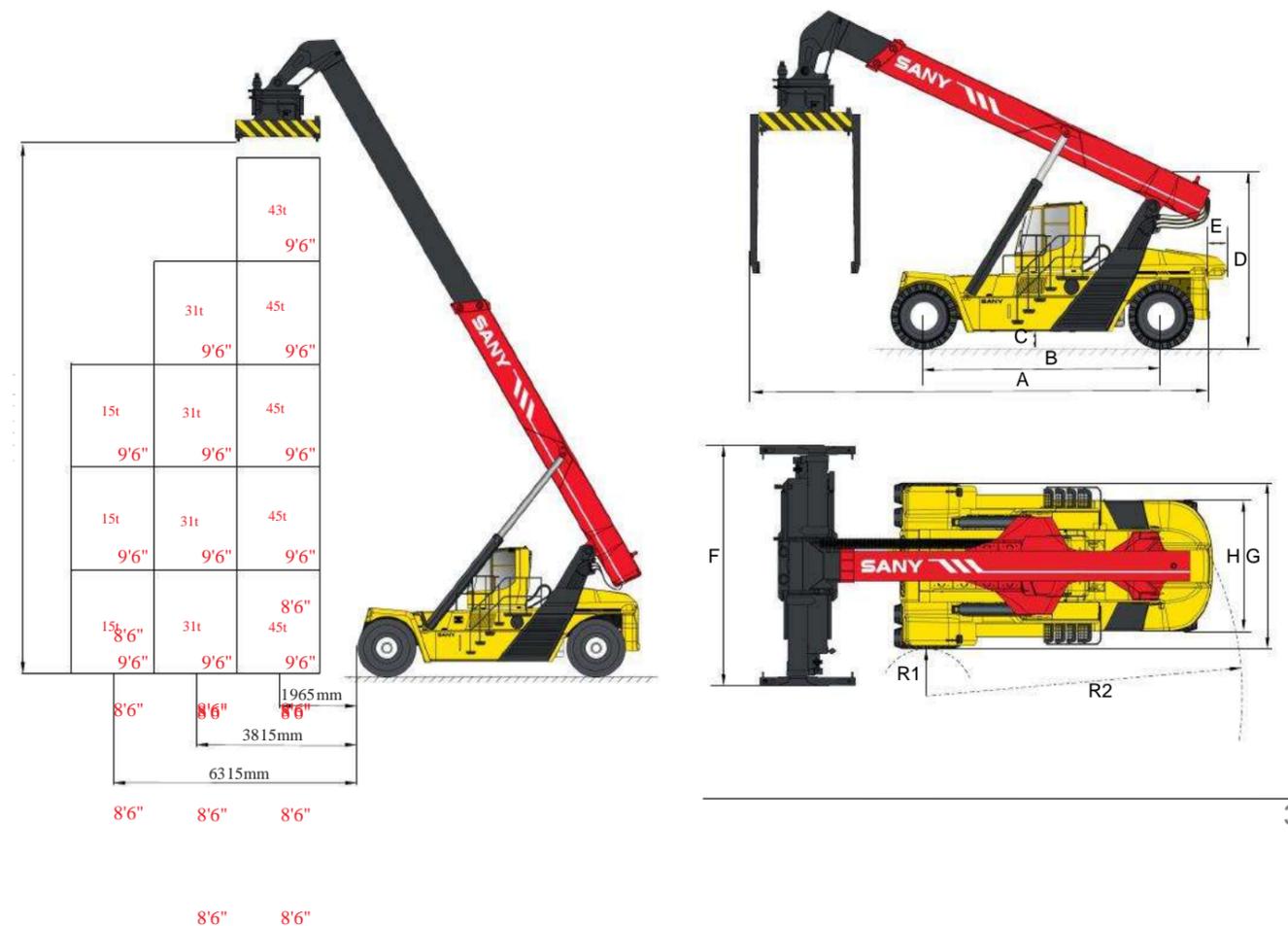
Engine	Type	CUMMINS QSM11(III)	Spreader	Type	SDJ450P-R1
	Rated power	250kw/2100rpm		Rotary angle	+105°/-195°
	Exhaust standard	EU StageIII		Side shift range	±800 mm
Gearbox		CLARK 15.5HR36000		Application	20'-40' International Standard Containers
Drive Axle		AxleTech PRC7534W4H		Dimension of tyre	18.00-25 40PR

Main parameters

A (Overall length)	11258mm
B (Wheel base)	7000mm
C (Min. ground clearance)	350mm
D (Overall height)	4780mm
E (Weight motion distance)	-
F (Overall width)	6042-12175mm
G (Front wheel width)	4188mm
H (Rear wheel width)	3310mm
R1 (Front wheel turning radius)	1300mm
R2 (Min. turning radius)	9200mm

Performance parameters

Overall weight	80t
Max. Load	45t
Layer of stack	5(9'6"/8'6")
Max. Hoisting speed	Load:250mm/s Non-load:420mm/s
Max. Descending speed	Load:300mm/s Non-load:360mm/s
Max. Travel speed	Load:21km/h Non-load:5km/h
Gradeability	Load:32% Non-load:39%
Cab noise	≤70dB
Max. Hoisting height	15215mm
Tilting angle of boom	0~60°





CONSTRUCTION CASES

SANY Port Machinery Company is the first domestic professional supplier of port equipment set. 15 types of port machines in 105 specifications have been successfully researched and developed: reach stacker, container handler, forklift truck, tyre crane, unload truck, ship-to-shore container crane, harbor portal crane, rail-mounted portal crane, and rubber tyre portal crane, etc. Our equipment are sold to all over the world and able to satisfy comprehensively the operation requirements of each large ports and quays. SANY port machines always fulfill heavy work brilliantly with outstanding performance and are widely acclaimed by customers.

