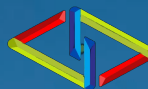


**SANY**<sup>®</sup>  
QUALITY CHANGES THE WORLD



**PT SOLUSI INDO PERDANA**  
BE PRODUCTIVE, BE SOLUTIVE FOR MATERIAL HANDLING



**REACH STACKER**



# SANY MARINE

## CONTENTS

As a key division of SANY International, SANY Marine operates from Zhuhai, Guangdong Province, specializes in MPM (RS, ECH), port crane (RTG, RMG, STS, Jib Crane, MHC and SC), and logistics equipment (material handlers, heavy-duty forklifts, ETT, and TH)

|                                      |      |
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- ▶ SANY Marine launched its first reach stacker in 2005, with total sales over 10,000 units.

The machines serve over 70 countries, achieving a 35% global share, with electric models capturing 80%.

The product line includes diesel, electric, range-extended, and battery-swap models.





# SRSC45E3

## (Charge)



### Long Battery Life — 8+ Hours

- Regenerates up to 4 kWh/hour
- Direct-drive motor with optimized power

### Dual-Port Fast Charging

- High-power charging
- 80% charge in 1 hour

### Efficient Operation

- Multi-motor coordination for smooth control
- Multi-valve spreader system for better fine movement
- Response time < 300ms

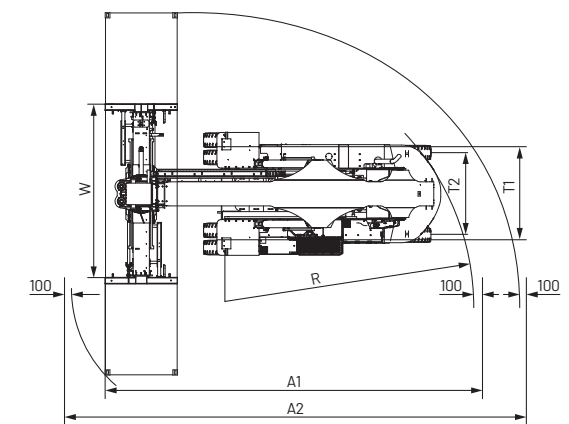
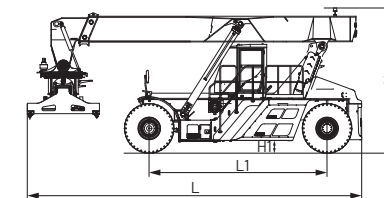
### Stable in Extreme Cold

- Battery thermal management system ensures reliable operation at -30°C (Cell heating + external insulation)

## Product Parameters

| Technical Parameter                |      |            | Configuration Parameter |                                  |                               |                                                 |
|------------------------------------|------|------------|-------------------------|----------------------------------|-------------------------------|-------------------------------------------------|
| ITEM                               | UNIT | SRSC45E3   | CONFIGURATION           | UNIT                             | SRSC45E3                      |                                                 |
| Max. Lifting Speed (0/full load)   | mm/s | 420/250    | Energy Type             | -                                | Fully Electric                |                                                 |
| Max. Lowering Speed (0/full load)  | mm/s | 360/300    | Charging Time(20%~80%)  | min                              | 100 (507kW.h)<br>90 (422kW.h) |                                                 |
| Max. Traveling Speed (0/full load) | km/h | 20/14      |                         |                                  |                               |                                                 |
| Gradeability (0/full load)         | %    | 21/14      | Endurance Time          | h                                | 8~9 (507kW.h)<br>6~7(422kW.h) |                                                 |
| Hydraulic System Working Pressure  | bar  | 350        | Quantity Of Electricity | kWh                              | 422/507                       |                                                 |
| Overall Weight                     | t    | 73         | Traction Battery        | Battery Type                     | -                             | LFP                                             |
| Rated Load                         | t    | 45         |                         | Standard Voltage                 | V                             | 618                                             |
| Stack Layer                        | -    | 5          |                         | Thermal Management               | -                             | Heating: Heating Film<br>Cooling: Water Cooling |
| Max. Lift Height Standard          | mm   | 15100      | Electric Motor          | Type                             | -                             | PMSM                                            |
| Max. Boom Elevation                | deg  | 0-60       |                         | Output Torque (Rated/Peak)       | Nm/rpm                        | 2040(rated) 3860(peak)                          |
| Overall Length (L)                 | mm   | 11320      |                         | Output Power (Rated/Peak)        | kW                            | 171(rated) 310(peak)                            |
| Wheel Base (L1)                    | mm   | 6000       |                         | Output Rotate Speed (Rated/Peak) | RPM                           | 800(rated) 2800(peak)                           |
| Overall Height(H) (retract/extend) | mm   | 4850       |                         | Cooling Type                     | -                             | Water Cooling                                   |
| Min. Ground Clearance (H1)         | mm   | 300~330    | Transmission Type       |                                  |                               | -<br>SANY DWF-510/Kessler D102                  |
| Overall Width (W)                  | mm   | 6053~12185 |                         |                                  |                               |                                                 |
| Counterweight Sideways (E)         | mm   | -          |                         |                                  |                               |                                                 |
| Front Gauge (T1)                   | mm   | 3033       |                         |                                  |                               |                                                 |
| Rear Gauge (T2)                    | mm   | 2790       |                         |                                  |                               |                                                 |
| Min. Turning Radius (R)            | mm   | 8000       |                         |                                  |                               |                                                 |
| Aisle Width For 20'container (A1)  | mm   | 11300      |                         |                                  |                               |                                                 |
| Aisle Width For 40'container (A2)  | mm   | 13600      |                         |                                  |                               |                                                 |

## Dimensions





# SRSC45E3A

## (battery-swap)



### Flexible Energy Options

- 60min fast charge or 10min battery swap

### Smart Cloud Management

- Real-time monitoring
- Quick fault diagnostics
- Automated reports

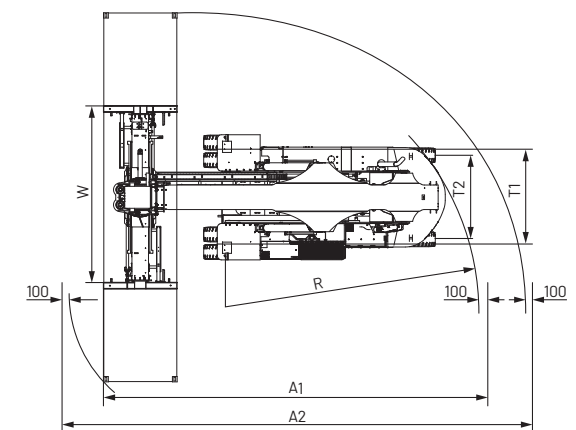
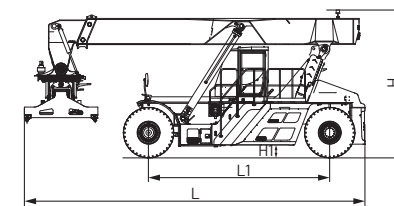
### Easy Maintenance

- External battery for easier service
- No engine or transmission, saving up to \$8,000/year

### Product Parameters

| Technical Parameter                 |      |                     | Configuration Parameter |                                  |           |
|-------------------------------------|------|---------------------|-------------------------|----------------------------------|-----------|
| ITEM                                | UNIT | SRSC45E3A(Electric) | CONFIGURATION           | UNIT                             | SRSC45E3A |
| Max. Lifting Speed (0/full load)    | mm/s | 420/250             | Energy Type             | -                                | Electric  |
| Max. Lowering Speed (0/full load)   | mm/s | 360/300             | Swapping Time           | min                              | 10        |
| Max. Traveling Speed (0/full load)  | km/h | 20/14               | Endurance Time          | h                                | 5         |
| Gradeability (0/full load)          | %    | 21/14               | Quantity Of Electricity | kWh                              | 282       |
| Hydraulic System Working Pressure   | bar  | 350                 | Traction Battery        | Battery Type                     | -         |
| Overall Weight                      | t    | 72                  |                         | Standard Voltage                 | V         |
| Rated Load                          | t    | 45                  |                         | Thermal Management               | -         |
| Stack Layer                         | -    | 5                   | Electric Motor          | Type                             | -         |
| Max. Lift Height Standard           | mm   | 15100               |                         | Output Torque (Rated/Peak)       | Nm/rpm    |
| Max. Boom Elevation                 | deg  | 0-60                |                         | Output Power (Rated/peak)        | kW        |
| Overall Length (L)                  | mm   | 11320               |                         | Output Rotate Speed (Rated/peak) | RPM       |
| Wheel Base (L1)                     | mm   | 6000                |                         | Cooling Type                     | -         |
| Overall Height (H) (retract/extend) | mm   | 4850                | Transmission Type       |                                  |           |
| Min. Ground Clearance (H1)          | mm   | 330                 |                         |                                  |           |
| Overall Width (W)                   | mm   | 6053~12185          |                         |                                  |           |
| Front Gauge (T1)                    | mm   | 3033                |                         |                                  |           |
| Rear Gauge (T2)                     | mm   | 2790                |                         |                                  |           |
| Min. Turning Radius (R)             | mm   | 8000                |                         |                                  |           |
| Aisle Width For 20'container (A1)   | mm   | 11300               |                         |                                  |           |
| Aisle Width For 40'container (A2)   | mm   | 13600               |                         |                                  |           |

### Dimensions





# SRSC45E5

## (Charge)



### High Safety Standards

- CE certified to EU safety requirements
- High-voltage interlock prevents misoperation
- EMC-compliant wiring minimizes interference

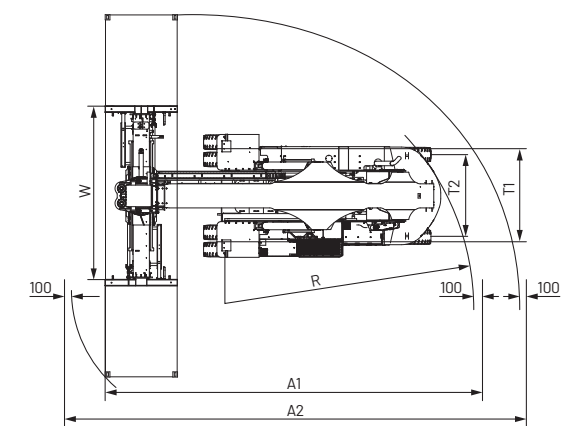
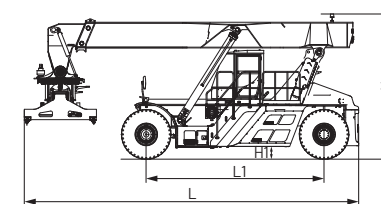
### Compatible with Global Charging Standards

- Supports CCS1 / CCS2 / GB-T interfaces

## Product Parameters

| Technical Parameter                |      |            | Configuration Parameter |                                  |                               |
|------------------------------------|------|------------|-------------------------|----------------------------------|-------------------------------|
| ITEM                               | UNIT | SRSC45E5   | CONFIGURATION           | UNIT                             | SRSC45E5                      |
| Max. Lifting Speed (0/full load)   | mm/s | 420/250    | Energy Type             | -                                | Electric                      |
| Max. Lowering Speed (0/full load)  | mm/s | 360/300    | Charging Time(20%~80%)  | min                              | 75 (507kW.h)<br>60 (422kW.h)  |
| Max. Traveling Speed (0/full load) | km/h | 20/14      | Endurance Time          | h                                | 8~9 (507kW.h)<br>6~7(422kW.h) |
| Gradeability (0/full load)         | %    | 21/14      | Quantity Of Electricity | kWh                              | 422/507                       |
| Hydraulic System Working Pressure  | bar  | 350        | Traction Battery        | Battery Type                     | -                             |
| Overall Weight                     | t    | 73         |                         | Standard Voltage                 | V                             |
| Rated Load                         | t    | 45         |                         | Thermal Management               | -                             |
| Stack Layer                        | -    | 5          | Electric Motor          | Type                             | -                             |
| Max. Lift Height Standard          | mm   | 15100      |                         | Output Torque (Rated/Peak)       | Nm/rpm                        |
| Max. Boom Elevation                | deg  | 0-60       |                         | Output Power (Rated/Peak)        | kW                            |
| Overall Length (L)                 | mm   | 11320      |                         | Output Rotate Speed (Rated/Peak) | RPM                           |
| Wheel Base (L1)                    | mm   | 6000       |                         | Cooling Type                     | -                             |
| Overall Height(H) (retract/extend) | mm   | 4850       | Transmission Type       |                                  |                               |
| Min. Ground Clearance (H1)         | mm   | 330        |                         |                                  |                               |
| Overall Width (W)                  | mm   | 6053~12185 |                         |                                  |                               |
| Counterweight Sideways (E)         | mm   | -          |                         |                                  |                               |
| Front Gauge (T1)                   | mm   | 3033       |                         |                                  |                               |
| Rear Gauge (T2)                    | mm   | 2790       |                         |                                  |                               |
| Min. Turning Radius (R)            | mm   | 8000       |                         |                                  |                               |
| Aisle Width For 20'container (A1)  | mm   | 11300      |                         |                                  |                               |
| Aisle Width For 40'container (A2)  | mm   | 13600      |                         |                                  |                               |

## Dimensions





# SRSC45E6 (Charge)



## Lower Energy Use

- Low-pressure-loss hydraulics cut losses by 60%
- Energy recovery lowers total consumption by 30%

## Improved Visibility

- Dual full-coverage wipers improve visibility by 15%

## Enhanced Structural Stability

- U-type boom improves durability
- Counterweight moved back 1m for better balance
- 67T weight reduces driving energy use by 16%

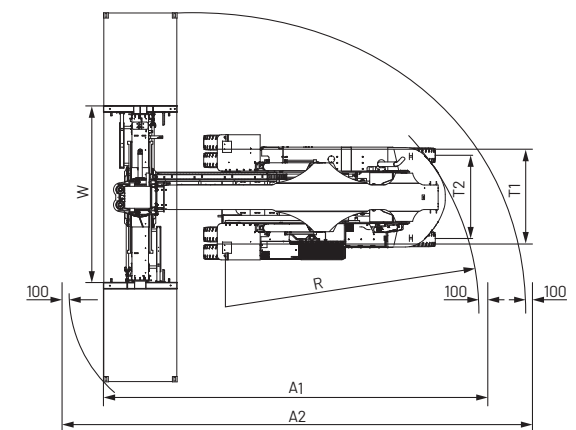
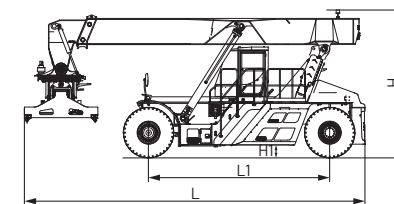
## Smart and Comfortable Cabin

- Multifunction joystick and suspension seat
- Dual-mode AC
- Laminated curved glass keeps noise < 70dB

## Product Parameters

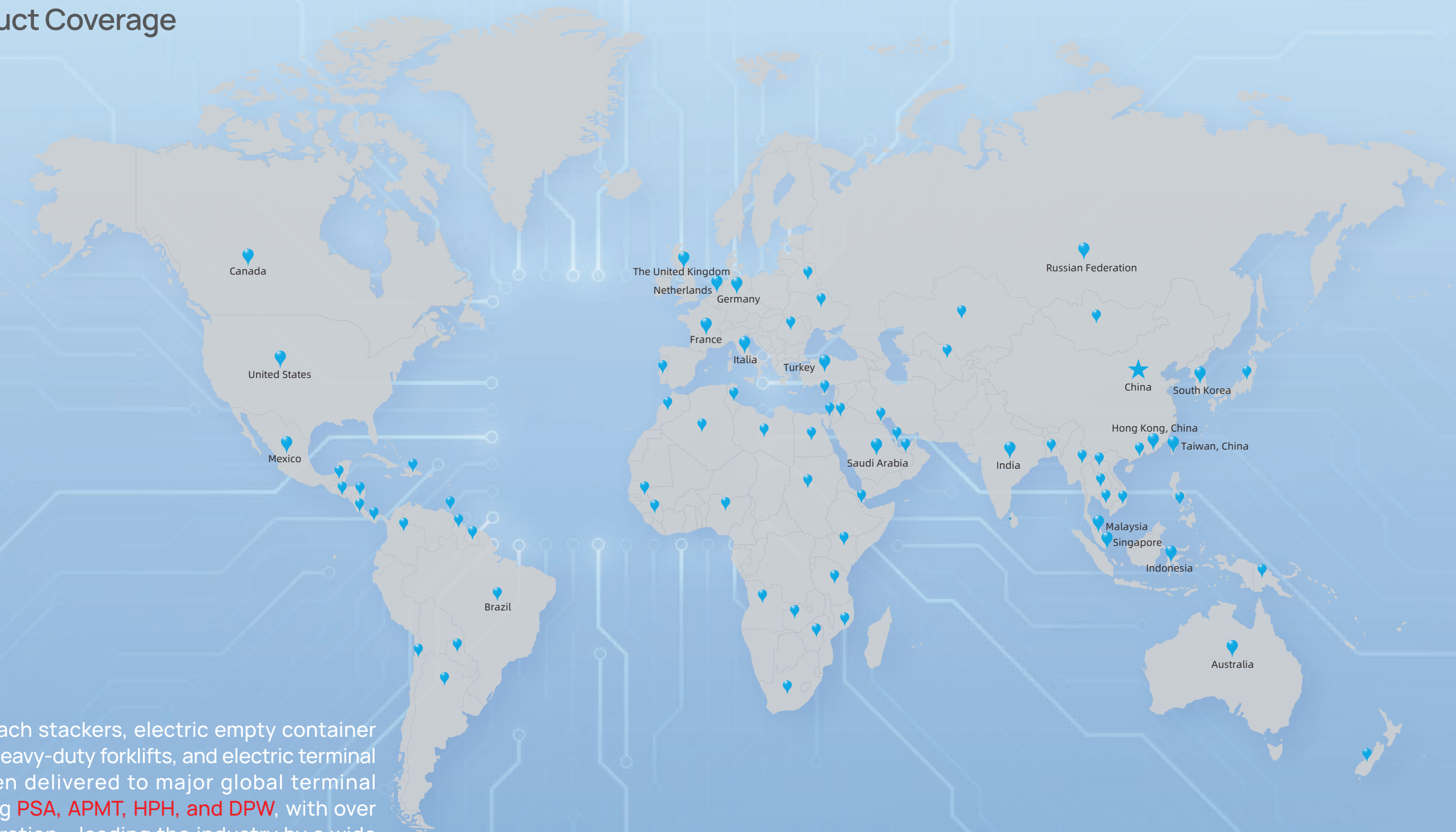
| Technical Parameter                   |      |                 | Configuration Parameter |                                  |                                 |                                                  |
|---------------------------------------|------|-----------------|-------------------------|----------------------------------|---------------------------------|--------------------------------------------------|
| ITEM                                  | UNIT | SRSC45E6        | CONFIGURATION           | UNIT                             | SRSC45E6                        |                                                  |
| Weight                                | t    | 67              | Energy Type             | -                                | Electric                        |                                                  |
| Dimensions (L × W × H)                | mm   | 11288×6053×4965 | Charging Time(20%~80%)  | min                              | 100 (507kW.h)<br>90 (422kW.h)   |                                                  |
| Rated Lifting Capacity                | t    | 45              | Endurance Time          |                                  | 9~10 (507kW.h)<br>7~8 (422kW.h) |                                                  |
| Max Lifting Height / Stacking Layers  | mm   | 15100/5th floor | Battery Capacity (Kwh)  | kWh                              | 422/507                         |                                                  |
| Max Boom Angle                        | deg  | 60              | Power Battery           | Battery Type                     | -                               | LFP                                              |
| Max Lifting Speed (unloaded/loading)  | mm/s | 420/250         |                         | Nominal Voltage                  | V                               | 618                                              |
| Max Lowering Speed (unloaded/loading) | mm/s | 360/300         |                         | Thermal Management               | -                               | Heating: Heating Film<br>Cooling: Liquid Cooling |
| Climbing Ability (unloaded/loading)   | -    | 21/14           | Electric Motor          | Type                             | -                               | PMSM                                             |
| Hydraulic System Operating Pressure   | bar  | 380             |                         | Output Torque (Rated/peak)       | Nm/rpm                          | 1500(Rated) 4200(peak)                           |
| Max Travel Speed                      | km/h | 20              |                         | Output Power (Rated/peak)        | kW                              | 157(Rated) 310(peak)                             |
| Minimum Ground Clearance              | mm   | 300~330         |                         | Output Rotate Speed (Rated/peak) | RPM                             | 1000(Rated) 2800(peak)                           |
| Counterweight Reversal Angle          | deg  | 42              |                         | Cooling Type                     | -                               | Water Cooling                                    |
| Minimum Turningmm Radius              | mm   | 8000            |                         |                                  |                                 |                                                  |
| 20' Container Passage Width (A1)      | mm   | 11300           |                         |                                  |                                 |                                                  |
| 40' Container Passage Width (A2)      | mm   | 13600           |                         |                                  |                                 |                                                  |

## Dimensions





## ► Electric Product Coverage



- SANY's electric reach stackers, electric empty container handlers, electric heavy-duty forklifts, and electric terminal tractors have been delivered to major global terminal operators including **PSA, APMT, HPH, and DPW**, with over **2,500** units in operation—leading the industry by a wide margin.



# SRSC45V Series



## Fuel and Maintenance Savings

- 15% lower fuel use
- Long-life filters reduce costs

## Smooth Control

- Multi-valve spreader system
- Fast response < 300ms

## Proven Durability

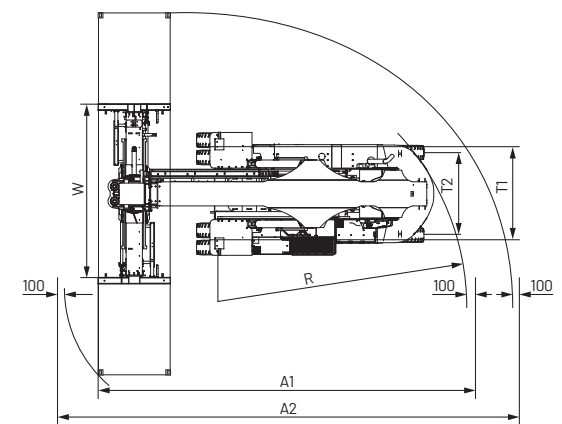
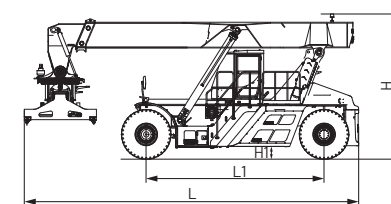
- Structure tested for 30,000 hours fatigue life

## Product Parameters

| Technical Parameter                |      |                |
|------------------------------------|------|----------------|
| ITEM                               | UNIT | SRSC45V series |
| Max. Lifting Speed (0/full load)   | mm/s | 420/250        |
| Max. Lowering Speed (0/full load)  | mm/s | 360/300        |
| Max. Traveling Speed (0/full load) | km/h | 25/21          |
| Gradeability (0/full load)         | %    | 39/32          |
| Hydraulic System Working Pressure  | bar  | 260            |
| Overall Weight                     | t    | 71             |
| Rated Load                         | t    | 45             |
| Stack Layer                        | —    | 5              |
| Max. Lift Height Standard          | mm   | 15100          |
| Max. Boom Elevation                | deg  | 0-60           |
| Overall Length (L)                 | mm   | 11320          |
| Wheel Base (L1)                    | mm   | 6000           |
| Overall Height(H) (retract/extend) | mm   | 4770           |
| Min. Ground Clearance (H1)         | mm   | 300~330        |
| Overall Width (W)                  | mm   | 6053~12185     |
| Counterweight Sideways (E)         | mm   | -              |
| Front Gauge (T1)                   | mm   | 3033           |
| Rear Gauge (T2)                    | mm   | 2790           |
| Min. Turning Radius                | mm   | 8000           |
| Aisle Width For 20'container       | mm   | 11300          |
| Aisle Width For 40'container       | mm   | 13600          |

| Configuration Parameter |                   |                   |                          |                 |
|-------------------------|-------------------|-------------------|--------------------------|-----------------|
| CONFIGURATION           |                   |                   | UNIT                     | SRSC45V series  |
| Engine                  | V                 | Type              | -                        | TAD1151VE       |
|                         |                   | Rated Capacity    | kW/rpm                   | 265/2100        |
|                         |                   | Max Torque        | Nm/rpm                   | 1780/1400       |
|                         |                   | Emission Standard | -                        | Stage III       |
|                         | V2                | Type              | -                        | X12             |
|                         |                   | Rated Capacity    | kW/rpm                   | 277/2100        |
|                         |                   | Max Torque        | Nm/rpm                   | 1898/1200~1600  |
|                         |                   | Emission Standard | -                        | Stage III       |
|                         | V3                | Type              | -                        | D12S3-381E1     |
|                         |                   | Rated Capacity    | kW/rpm                   | 280/1900        |
|                         |                   | Max Torque        | Nm/rpm                   | 1850/1400       |
|                         |                   | Emission Standard | -                        | Stage III       |
|                         | V4                | Type              | -                        | Cummins QSL9T4F |
|                         |                   | Ratedcapacity     | kW/rpm                   | 272/2100        |
|                         |                   | Maxtorque         | Nm/rpm                   | 1795/1400       |
|                         |                   | Emission Standard | -                        | Tire 4F         |
| V5                      | Type              | -                 | TAD1181VE                |                 |
|                         | Rated Capacity    | kW/rpm            | 265/2100                 |                 |
|                         | Max Torque        | Nm/rpm            | 1795/1400                |                 |
|                         | Emission Standard | -                 | Stage V                  |                 |
| Transmission Type       |                   |                   | -                        | 15.5HR36432-36  |
|                         |                   |                   | -                        | 15.7TE30510-7   |
| Drive Axle Type         |                   |                   | -                        | Kessler D102    |
|                         |                   |                   | -                        | XWF-510         |
| Main Valve              |                   |                   | -                        | Hengli          |
| Main Pump               |                   |                   | -                        | Hengli          |
| Spreader                | Model             | -                 | SDJ450H-R series         |                 |
|                         | Lateral Move      | mm                | ±800                     |                 |
|                         | Rotate Angle      | deg               | 105/-195                 |                 |
|                         | Tilt Angle        | deg               | ±5                       |                 |
|                         | Self-Weight       | t                 | 7.1                      |                 |
|                         | Suitable Fo       | -                 | ISO20'/40'/45' container |                 |
| Tires                   |                   |                   | -                        | 18.00-25        |

## Dimensions





# SRSC45G5



## More Fuel Efficient

- Electronic common-rail system cuts fuel by 3%

## Easy Handling

- Proportional control for smooth operation

## Certified Safety

- CE approved to EU standards

## Better Comfort

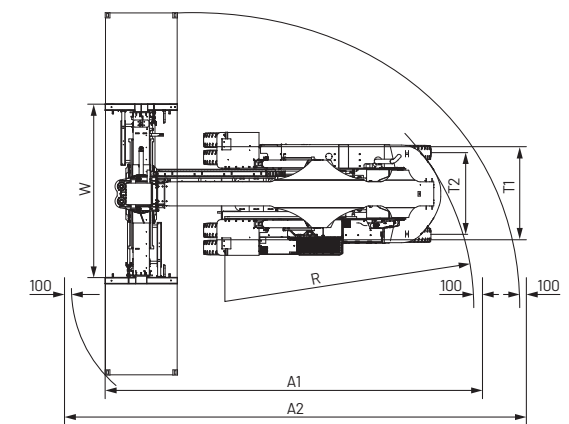
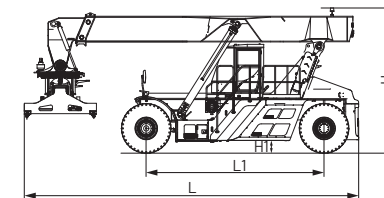
- Air suspension seat reduces vibration

## Product Parameters

| Technical Parameter                |      |            |
|------------------------------------|------|------------|
| ITEM                               | UNIT | SRSC45G5   |
| Max. Lifting Speed (0/full load)   | mm/s | 460 / 260  |
| Max. Lowering Speed (0/full load)  | mm/s | 600 / 400  |
| Max. Traveling Speed (0/full load) | km/h | 25 / 21    |
| Gradeability (0/full load)         | %    | 46 / 28    |
| Hydraulic System Working Pressure  | bar  | 260        |
| Overall Weight                     | t    | 72.5       |
| Rated Load                         | t    | 45         |
| Stack Layer                        | -    | 5          |
| Max. Lift Height Standard          | mm   | 15100      |
| Max. Boom Elevation                | deg  | 0-60       |
| Overall Length (L)                 | mm   | 11320      |
| Wheel Base (L1)                    | mm   | 6000       |
| Overall Height(H) (retract/extend) | mm   | 4770       |
| Min. Ground Clearance (H1)         | mm   | 350        |
| Overall Width (W)                  | mm   | 6053~12185 |
| Counterweight Sideways (E)         | mm   | -          |
| Front Gauge (T1)                   | mm   | 3033       |
| Rear Gauge (T2)                    | mm   | 2790       |
| Min. Turning Radius (R)            | mm   | 8000       |
| Aisle Width For 20'container (A1)  | mm   | 11300      |
| Aisle Width For 40'container (A2)  | mm   | 13600      |

| Configuration Parameter |                   |                            |
|-------------------------|-------------------|----------------------------|
| CONFIGURATION           | UNIT              | SRSC45G5                   |
| Engine                  | Type              | VOILVO TAD1181VE           |
|                         | Rated Capacity    | kW/rpm 265/2100            |
|                         | Max Torque        | Nm/rpm 1795/1400           |
|                         | Emission Standard | - Stage V                  |
| Transmission Type       |                   | - 15.5TE30                 |
| Drive Axle Type         |                   | - Kessler D102             |
| Main Valve              |                   | - Parker                   |
| Main Pump               |                   | - Parker                   |
| Spreader                | Model             | - SDJ450H-R series         |
|                         | Lateral Move      | mm ±800                    |
|                         | Rotate Angle      | deg 105/-195               |
|                         | Tilt Angle        | deg ±5                     |
|                         | Self-Weight       | t 7.1                      |
| Suitable Fo             |                   | - ISO20'/40'/45' container |
| Tires                   |                   | - 18.00-25                 |

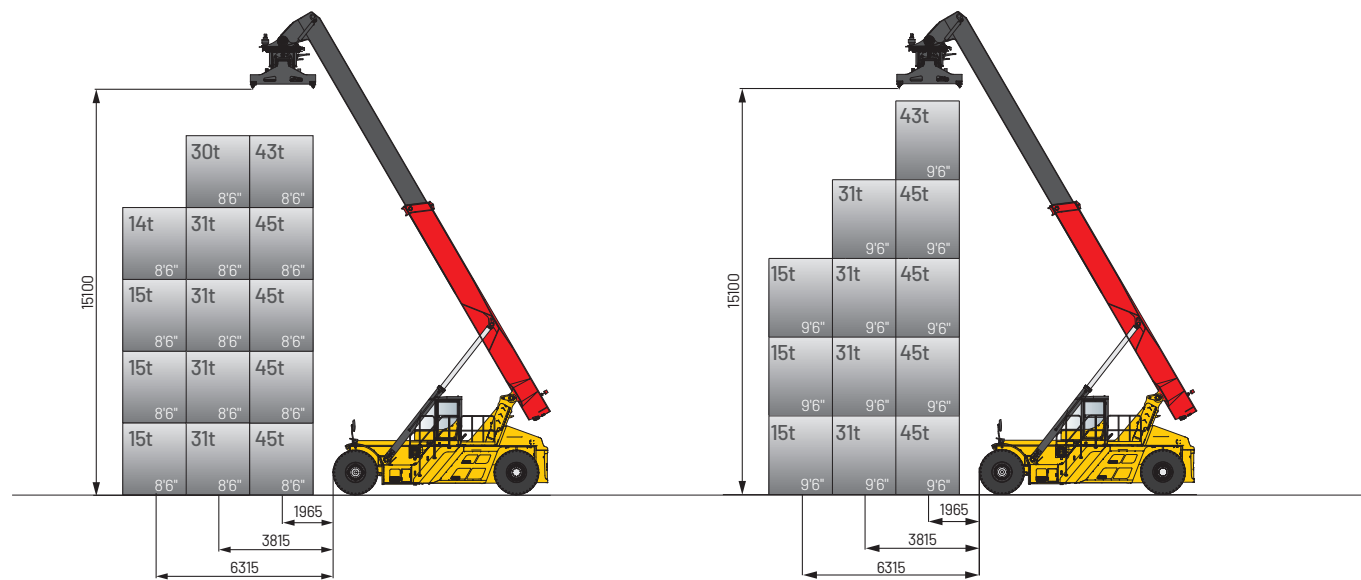
## Dimensions



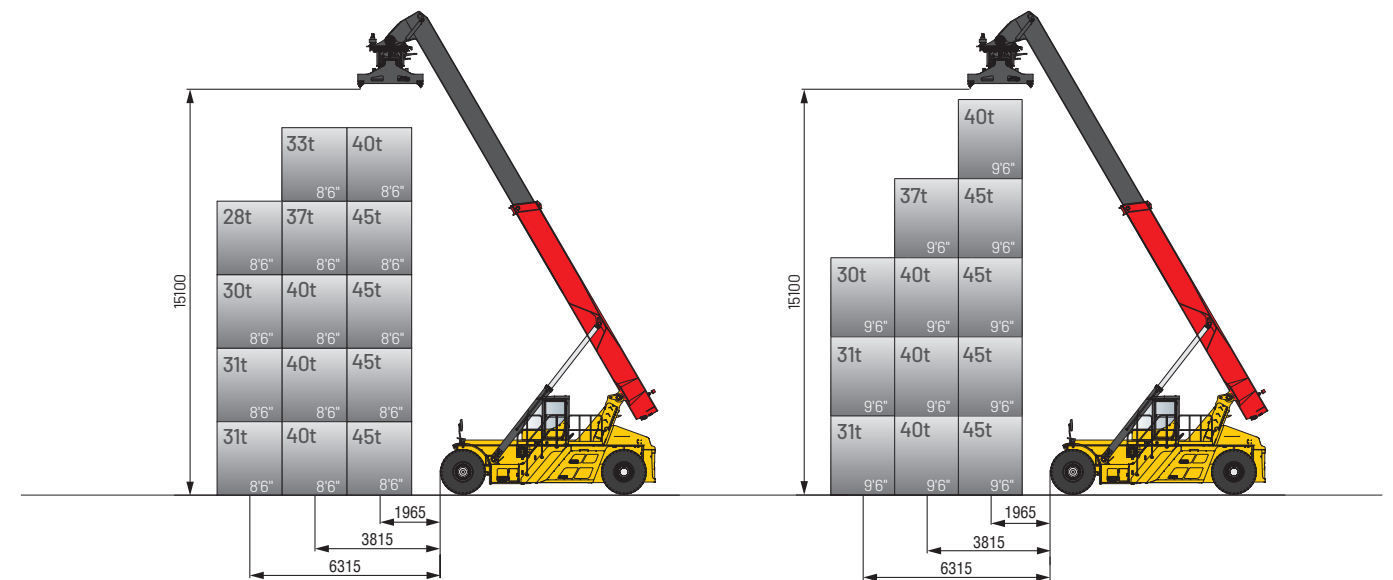


## ► Series Load Diagram

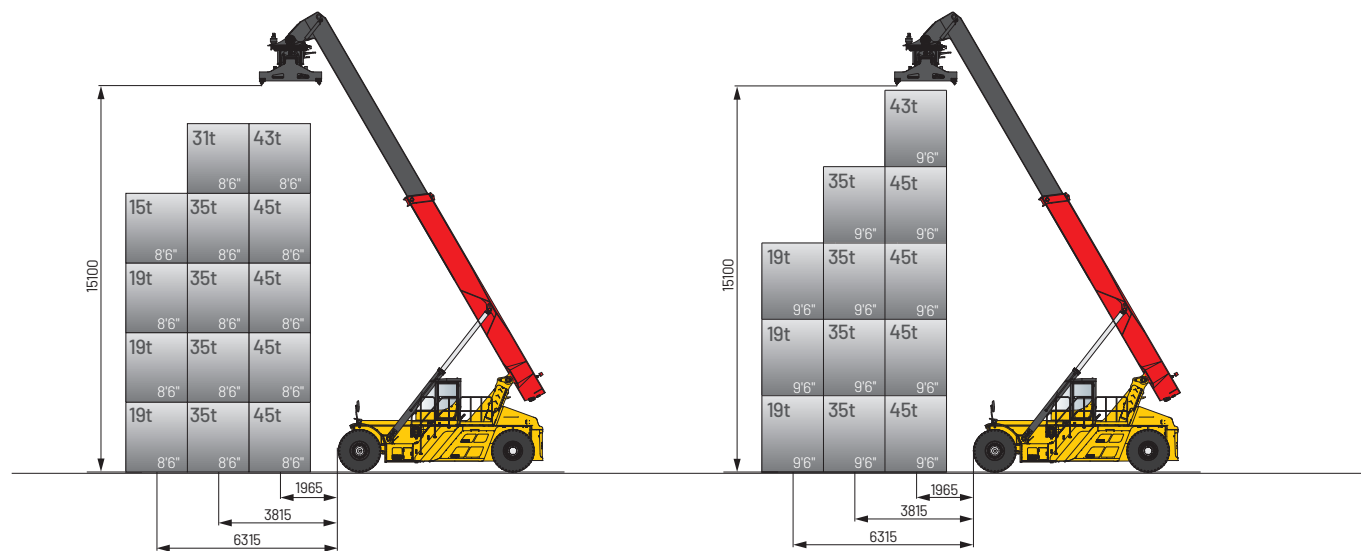
### SRSC4531 Series



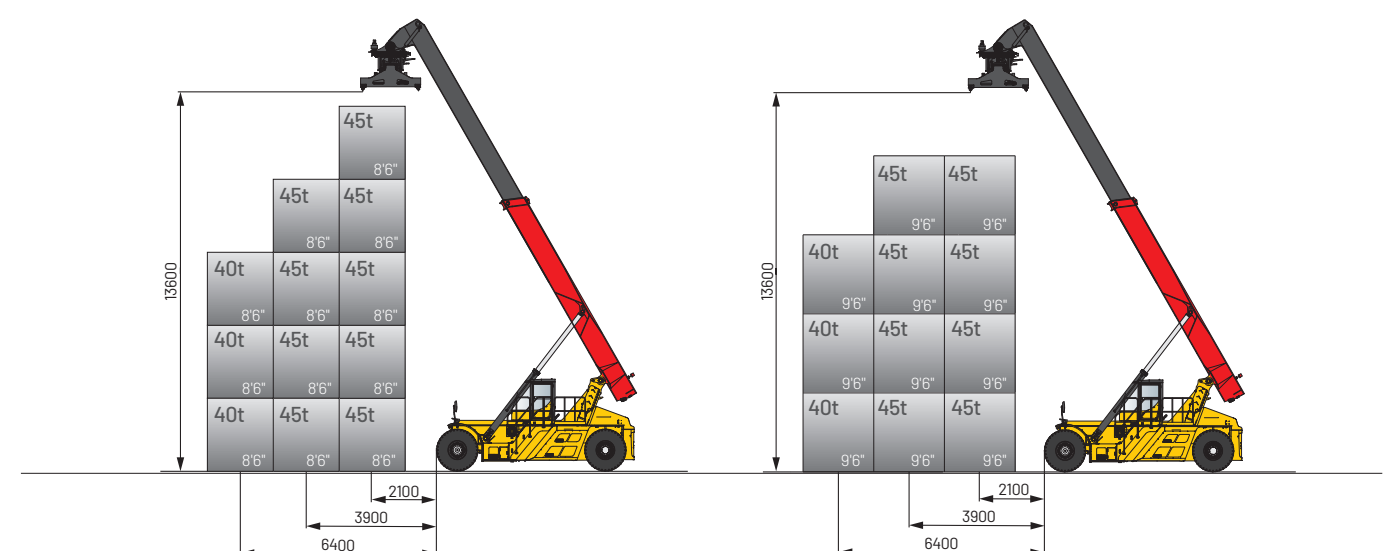
### SRSC4540 Series



### SRSC4535 Series



### SRSC4545 Series





## ► SANY Spreader

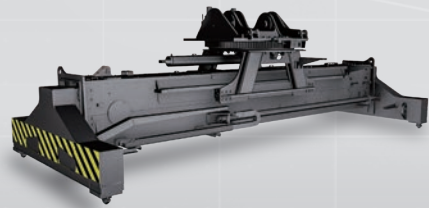
### ► Spreader for 45t container

Sany 45t container spreader is suitable for stacking and handling ISO standard 20'/40'/45' containers with reach stackers. According to the market demand, Sany Marine developed a variety of container spreaders, with reasonable structure, excellent design, complete safety protection functions, cost-effective, and can fully meet the different needs of customers.

**lightweight design**

#### SDJ450H

- Rated Load: 45t
- Suitable For: ISO 20'/40'container



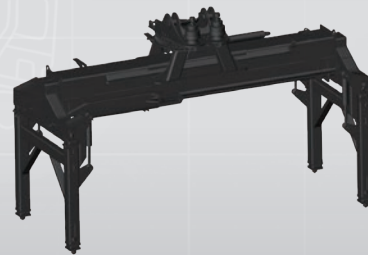
### ► Ultra-High Reach Spreader

The SANY SDJ450S can lift both standard and high boxes with lowered outriggers, improving operational efficiency.

**Flexible and efficient, with quick transitions**

#### SDJ450S

- Rated Load: 45t
- Suitable For: ISO 20'/40'container



### ► Log Spreader

Sany SWG310 spreader is suitable for the transfer, loading and unloading of logs or special materials. The product perfectly solves the transportation, loading and unloading problems of logs and other special materials, and brings huge profits to customers.

**Log spreader**

#### SWG310-R3

- Rated Load: 31t
- Suitable For: log



### ► Steel Coil Spreader

Sany STP450 spreader is suitable for the transfer, loading and unloading of steel coils, containers and bulk cargo.

**Steel coil spreader**

#### STP450

- Rated Load: 45t
- Suitable For: steel coil



### ► Turnover Spreader (20feet)

Sany SDJ380R turnover spreader is mainly used for 360-degree overturning unloading of 20-foot open top container, which is environmentally friendly and efficient.

**360°turn over spreader**

#### SDJ380R

- Rated Load: 38t
- Suitable For: ISO 20'container



### ► Combined Spreader

Sany SDJ450P spreader can not only complete the transfer and stacking operations of 20'/30'/35'/40'/45'ISO standard containers, but also carry out the transfer operations of EN284 non-stacking containers, so as to achieve the purpose of one machine and meet the needs of European and American joint operation mode.

**Multi-condition, combined transport**

#### SDJ450P

- Rated Load: 45t
- Suitable For: ISO 20'/30'/35'/40'container
- EN284non-stacking container



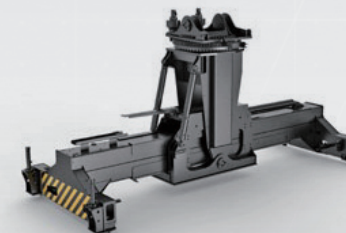
### ► Tilting Spreader

Sany SDJS320 spreader can perfectly solves the transportation and unloading problems of special materials such as bulk materials, breaks through the bottleneck of bulk container loading process, and greatly improves the operation efficiency and environmental protection.

**professional for bulk loading & unloading**

#### SDJS320D

- Rated Load: 35t
- Tilt angle: 0~55°
- Suitable For: ISO 20'container



### ► Hook Spreader

Sany SDJ700G spreader is suitable for the transfer, loading and unloading of wind turbine tower, which has simple structure and strong bearing capacity.

**professional for wind turbine tower loading**

#### SDJ700G

- Rated Load: 70t
- Suitable For: wind turbine tower, bulk cargo





Optional Features Catalog

| Category               | Optional Function                                                                                                    | Description                                                                                                                                                                                                                            | Recommendation |
|------------------------|----------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------|
| Safety & Security      | 360 Panoramic Monitoring System                                                                                      | Three optional packages available:<br>① 360 panoramic view only.<br>② 360 panoramic view + pedestrian detection & collision warning.<br>③ 360 panoramic view + pedestrian detection & collision warning + automatic emergency braking. | ★ ★ ★          |
|                        | Rear Counterweight Warning Beacon                                                                                    | Installed on the rear counterweight.                                                                                                                                                                                                   |                |
|                        | Arctic Pre-heating Kit                                                                                               | Heating for engine, hydraulic oil tank, cab, etc.<br>Designed for operation in regions below -30° C, using an external power source.                                                                                                   | ★ ★ ★          |
|                        | Cold Climate Pre-heating Kit                                                                                         | Primarily for domestic cold climate applications. Recommended for operation below -5° C; mandatory for regions below -15° C.                                                                                                           | ★ ★ ★          |
|                        | Public Address & Alarm System                                                                                        | Includes a hailer/loudspeaker and an audible warning alarm.                                                                                                                                                                            |                |
|                        | U-Shaped Warning Light Bar                                                                                           | A U-shaped beacon with warning lights facing left, right, and rear, indicating a prohibited zone.                                                                                                                                      |                |
| Operational Assistance | Precision Weighing & Off-Center Load Detection System (with Light/Heavy Container Selection & Inching Lift Function) | For Sany spreaders. Provides weighing, off-center load detection, and printout capabilities.                                                                                                                                           | ★ ★ ★          |
|                        | Container Weighing Voice Announcement                                                                                | Real-time audible broadcast of container weight during hoisting operations.                                                                                                                                                            |                |
|                        | Container Number Identification System                                                                               | Automatically identifies container numbers, open wagon numbers, and flatcar numbers (optional). Customizable data interfaces available for real-time transmission.                                                                     |                |
|                        | Spreader & Counterweight Camera System                                                                               | Includes 4 cameras mounted on the spreader (for H-type spreaders).                                                                                                                                                                     |                |
|                        | Tire Pressure Monitoring System (TPMS)                                                                               | Monitors the tire pressure of the reach stacker.                                                                                                                                                                                       |                |
| Additional Equipment   | On-Board Drive Recorder                                                                                              | Mounted inside the cab to monitor operator actions. Includes camera and built-in 64GB storage.                                                                                                                                         |                |
|                        | Automatic Lubrication System – Spreader                                                                              | Adds a lubrication pump to enable automatic greasing of key maintenance points on the spreader.                                                                                                                                        | ★ ★ ★          |
|                        | Automatic Lubrication System – Main Chassis                                                                          | Adds a lubrication pump to enable automatic greasing of key maintenance points on the main chassis.                                                                                                                                    | ★ ★ ★          |
|                        | Cab Passenger Seat                                                                                                   | An additional seat installed beside the standard operator seat.                                                                                                                                                                        |                |
|                        | Radio System                                                                                                         | Optional. Includes radio unit, speakers, and antenna.                                                                                                                                                                                  |                |
| Lighting               | Cab Roof Work Lights                                                                                                 | One left and one right auxiliary work light mounted on the cab roof.                                                                                                                                                                   |                |
|                        | Spreader Four-Point Lighting System                                                                                  | One light mounted at each of the four twistlock positions on the spreader.                                                                                                                                                             |                |

Cab





## ► Case (Electric)



📍 Jiangsu, China



📍 Hebei, China

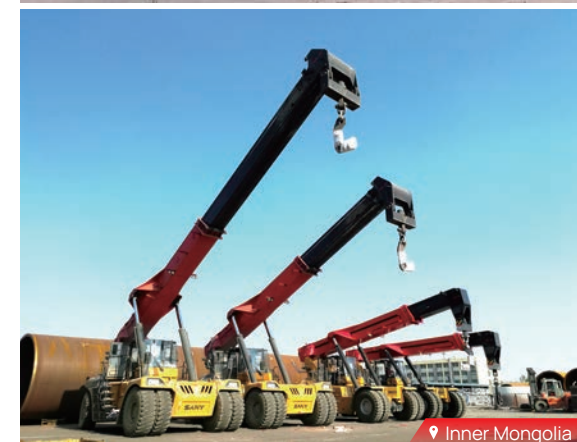


📍 Peru

## ► Cases



📍 APMT



📍 Inner Mongolia



📍 Saudi Arabia



📍 South Korea



Cases



Aircraft Lifting



Sudan



India



China-Laos Railway



UK



Electromagnetic Spreader



Turnover Spreader



# SANY®

SANY Industrial Park, Zhuhai, Guangdong, China

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