



**SANY**  
AMERICA INC.

# **SRC885**

Rough Terrain Crane

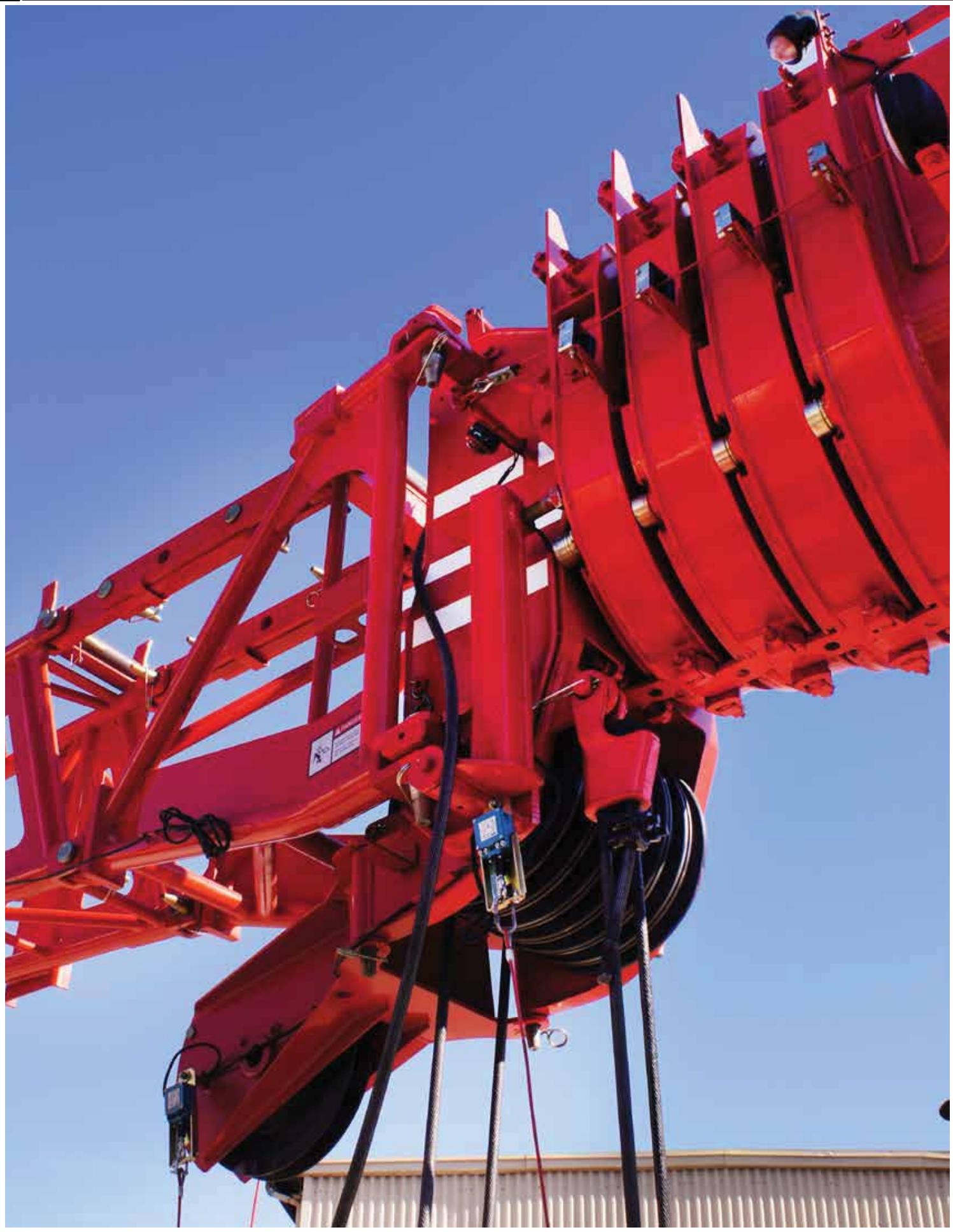


- **85 U.S. Tons (75 Metric Tons) @ 10 ft Radius**
- **148 ft Max Tip Height (Main Boom)**
- **52.5 ft Boom Extension**

## Product Guide



**RELIABLE** CRANE SERVICE



# MOBILE LIFTING POWER WHERE YOU NEED IT

SANY America's powerful and versatile line of rough-terrain cranes brings the power to where you need it on virtually any type of job site. Whether your challenge involves a heavy lift on uneven ground or a pick-and-carry operation, count on SANY rough-terrain cranes to deliver.

The SANY SRC885 features maximum capacity of 85 U.S. tons and excellent reach of up to 209.7 feet through a five-section full-power boom. Hydraulic powered 4x4 steering delivers superior maneuverability, while the earthmover-style tires provide smooth ride, even in adverse ground conditions. Three-position outriggers level the crane with up to 12.4 inches of ground penetration and total horizontal extension of 24 feet.



The 275 hp Cummins Tier 4i engine is perfectly integrated with the hydraulic system to deliver precise control and multi-function load sharing. Hydraulic joysticks give the operator smooth, variable control of crane functions. The two-speed swing system can continuously rotate 360 degrees in either direction.

The cab gives the operator confident control with ergonomic design, optimum visibility and a deluxe, six-way adjustable seat. The SANY-designed LML is prominently displayed and easy to set up.

Reach. Power. Maneuverability. Stability. Simplicity. SANY rough-terrain cranes provide reliable operation no matter the weather or ground conditions as well as a lower lifetime cost of ownership and a higher return on investment.





## OPERATOR'S CAB

Spacious ergonomic cab with all steel construction. Optimum visibility, tinted safety glass throughout. Opening skylight with visor and wiper system. Sliding door on the left hand side and a framed sliding window on the right hand side. Acoustical foam to absorb noise and insulate the cab. Deluxe six-way adjustable seat is equipped with mechanical suspension and includes arm rests and head rest.



## SANY DESIGNED LML

The user-friendly SANY designed LML is prominently displayed and simple to set up and operate with full machine diagnostic capabilities.



## QUALITY, BRAND-NAME COMPONENTS



**Cummins** engine coupled to **Parker & Husco** hydraulic components deliver high reliability and consistent performance.

**SRC885**

- Engine: Cummins Model QSB6.7 275 HP @ 2500 rpm
- Hydraulic system Parker piston pumps and Husco valves
- SANY designed LML with large display screen
- AxleTech axles and Dana Powershift transmission
- 147.6 ft., five section main boom and 30.2 ft – 52.5 ft extension
- *Standard features:*
  - Large cab
  - Horsepower limited pumps
  - Hydraulic joystick controls
  - Post compensated valves
  - SANY 24 volt electrical control system

|                                   |                     |
|-----------------------------------|---------------------|
| <b>Maximum Capacity @ Radius</b>  | 85 U.S. Ton @ 10 ft |
| <b>Main Boom</b>                  | 38.7 ft – 147.6 ft  |
| <b>Max Tip Height w/Extension</b> | 209.7 ft            |
| <b>Boom Extension</b>             | 30.2 ft – 52.5 ft   |
| <b>Hoist Max Line Pull</b>        | 20,590 lb           |
| <b>Wire Rope Diameter</b>         | 3/4 in              |
| <b>Weight</b>                     | 115,880 lb          |
| <b>Length</b>                     | 46 ft 11 in         |
| <b>Height</b>                     | 12 ft 6.5 in        |
| <b>Width</b>                      | 11 ft               |
| <b>Max Gradeability</b>           | 82% GVW             |
| <b>Tail Swing</b>                 | 14 ft 11 in         |

**ENGINE**

Cummins Model QSB6.7 Tier 4i  
Power.....275 hp (205.1 kW)  
Fuel Tank ...90 gal (340 L)

**HYDRAULIC SYSTEM**

Parker horsepower limited piston pumps with Husco post compensated valves provides multifunction load sharing and precise control. Energy saving system offers a lower operational cost. Oil cooler and pressure filter ensure long component life.

**SWING SYSTEM**

The swing system can rotate 360 degrees continuously in both directions. The independent swing circuit eliminates function interaction. Planetary drive offers two-speed swing for operator preference and precise load control. Maximum speed 2.0 rpm with a 14 ft 11 in swing area.

**HOISTS**

Braden main and auxiliary hoists are independently driven and controlled by the joysticks.  
Rope Diameter ..... 3/4 in  
Max Line Speed ..... 459 ft/min  
Max Line Pull ..... 20,590 lb  
Drum Capacity ..... 841 ft

**CONTROLS**

Hydraulic joysticks produce smooth variable control of crane functions. Drum rotation indicators are incorporated in the handles. Steering column mounted turn signals and transmission control. Foot pedals control swing brake, telescope, service brake and accelerator. High-Low hoist speed control switch in handle for ease of use. SANY electrical system includes LML and lockout with CAN bus for reduced complexity. Built-in diagnostics and engine instrumentation display. Electrical system is 24 volt.

**COUNTERWEIGHT**

Optional 2 piece counterweight allows flexibility for moving the crane and increased capacities. Total counterweight 28,660lbs. Travel restricted to 2.5 mph



**OPERATOR'S CAB**

Spacious ergonomic cab with all steel construction. Optimum visibility, tinted safety glass throughout. Openable skylight with visor and wiper system. Sliding door on the left side and a framed sliding window on the right side. Acoustical foam to absorb noise and insulate the cab. Deluxe six-way adjustable seat is equipped with mechanical suspension and includes arm rests and head rest.

**CARRIER**

Equipped with 4x4 hydraulic powered steering for excellent maneuverability. Three position outriggers provide 12.44 inches of ground penetration and 24 ft of extension to level the crane. Superior accessibility from ground for ease of maintenance. Earthmover style 29.5 X 25 (38 PR) tires provide excellent flotation for off-road use. Dana powershift transmission includes six speeds forward and reverse with a maximum speed of 22 mph. AxleTech drive steer axles are supplied with hydraulic disk brakes and a spring-applied parking brake.

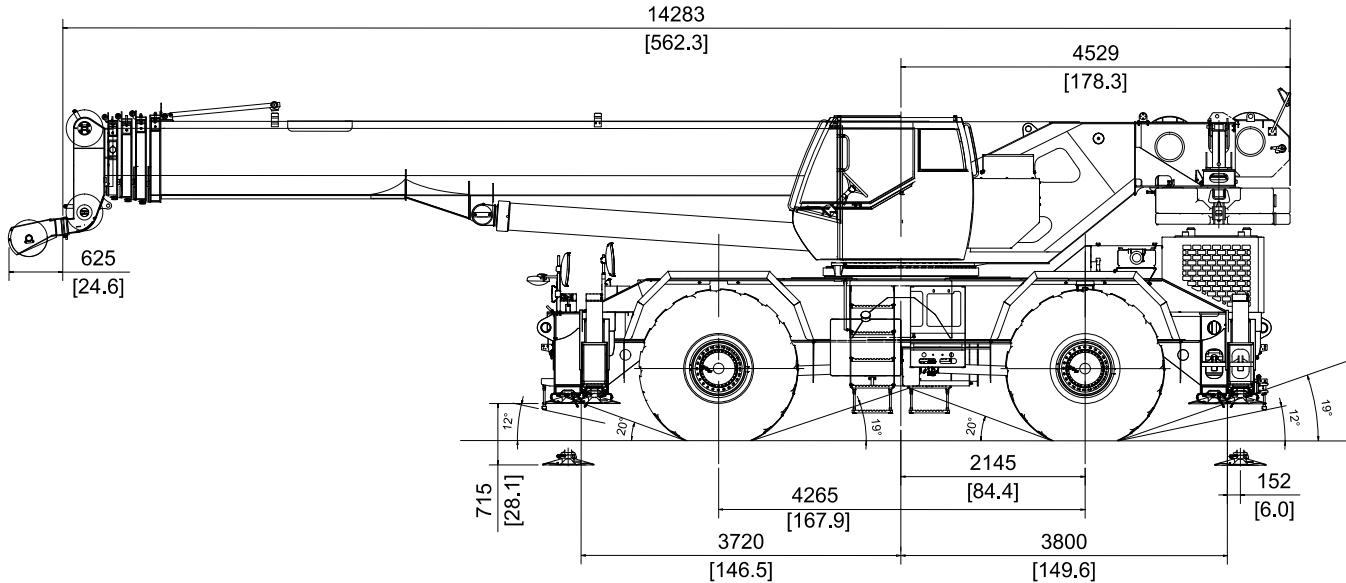
**BOOM**

Five section sequenced synchronized full power boom. Offering increased capacities with I and II mode selections. (38.7 ft – 147.6 ft) Boom elevation -2° to 78° with a maximum tip height of 157.2 ft. Side mounted bi-fold boom extension (30.2 ft – 52.5 ft) with 0°, 20°, and 40° offset. Maximum tip height of 208.7 ft.

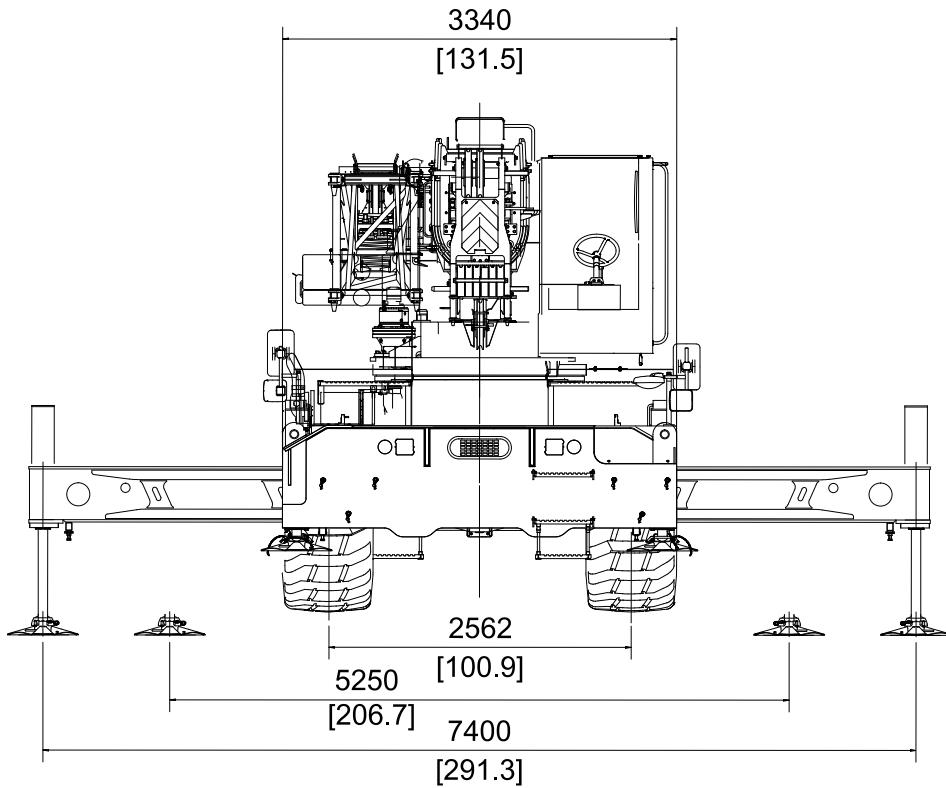




## CRANE DIMENSIONS



\*Dimensions in millimeters (inches)



\*Dimensions in millimeters (inches)

**Anti-Two-Block (A2B)**

A limit switch and an actuation weight on load lines are provided prevent two-blocking of the hook block and the overhaul ball. When the lifting hook reaches its maximum height, a limit switch will activate the buzzer on the control panel, meanwhile the indicator light will blink and automatically stop the lifting operation of hook block.

**Backup Alarm**

A backup alarm will operate when the machine is placed in reverse.

**Boom Angle Indicator**

The boom angle is displayed on the LML console.

**Boom Length Indicator**

A cable reel is provided to measure the boom length and it is displayed on the LML console.

**Crane Level Indicator**

A bubble level displaying the machine angle is mounted in the operators cab.

**Drum Brake**

All hoist drums are equipped with a spring applied hydraulic released brake. The brake will automatically apply when the control handle returns to neutral.

**Function Select Switch**

The crane function switch is a 3 position switch that allows the operator to select different operating modes. The modes are Superstructure only, Carrier only and Pick & Carry.

**Hoist Drum Rotation Indicator**

All drums are equipped with an electric drum rotation indicator device that will vibrate the operator's joystick as the drum rotates.

**Horn**

The crane is supplied with a horn for the operator to warn personnel in the vicinity of the crane of a hazard.

**Lighting**

Equipped with driving lights in front of machine, stop turn & tail lights in the rear of the machine, operator's cab interior light, and a spot light mounted on the front of the cab and main boom

**Load Holding Valves**

Load holding valves are provided on all cylinders that support the load to prevent uncontrolled lowering of the boom in the event of a hydraulic system failure (e.g., supply hose rupture).

**Load Moment Limiter**

A Load Moment Limiter (LML) system is supplied to monitor the hook load and compare it with the rated load for the configuration indicated by the operator.

**Outrigger Jack Integral Holding Valve**

All four outrigger jacks are supplied with an integral holding valve to prevent cylinder retraction in the event of a hose failure.

**Outrigger Position Sensor**

Each outrigger beam is supplied with a position sensor to monitor the extension of the outrigger beams.

**Rearview Mirror**

Installed on the left of the operator's cab for monitoring the rear of the machine

**Swing Lock**

Mechanical pin lock to lock the crane in front position.

**Seat Switch**

The operator must be seated for all machine functions to work

**Third Wrap Indicator**

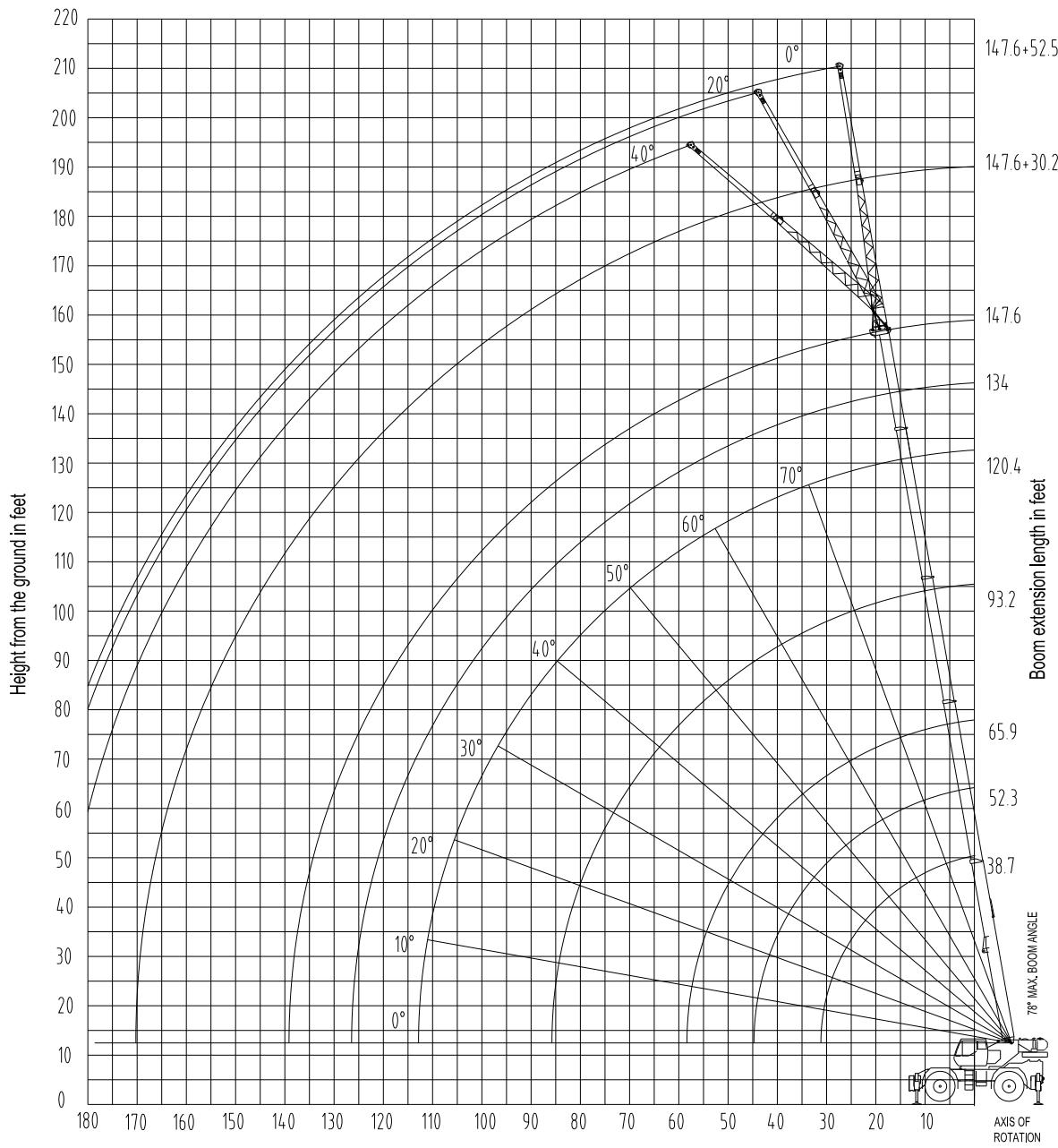
A roller riding on the hoist wire rope will actuate a switch to warn the operator when 3 dead wraps are remaining. The system will sound a buzzer and an alarm indicator will be displayed on the instrument cluster and automatically stop the drum movement.

**Wire Rope Guides**

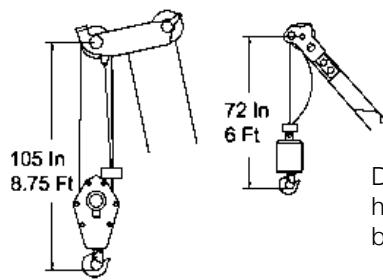
Lifting hooks are provided with guides to ensure the wire rope is maintained in the correct sheave location.



Working range 147.6 ft. Main Boom & 30.2-52.5 ft. bi-fold swingaway



Dimensions are for SANY 85 U.S. Ton hook block and 7.2 U.S. Ton overhaul ball with the anti-two block activated



**ON OUTRIGGERS 100% EXTENDED**  
**MAIN BOOM 19,840 lb (9000kg) COUNTERWEIGHT**

| SRC885 Load Chart, Fully Extended O/R, 360°, Counterweight <b>19,840 lb (9000kg)</b> |                  |                  |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |
|--|------------------|------------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|
| Radius<br>(Feet)   | 38.7             | 52.3             | 52.3            | 65.9            | 65.9            | 93.2            | 93.2            | 120.4           | 120.4           | 134             | 134             | 147.6           |
| 10   | 170000<br>(67.5) | 112430<br>(74)   | 66140<br>(74)   |                 |                 |                 |                 |                 |                 |                 |                 |                 |
| 12   | 152650<br>(64)   | 112430<br>(71.5) | 66140<br>(71.5) | 94800<br>(75.5) | 62540<br>(75.5) |                 |                 |                 |                 |                 |                 |                 |
| 15   | 122030<br>(59)   | 104850<br>(68)   | 66140<br>(68)   | 88480<br>(72.5) | 54470<br>(72.5) | 66140<br>(78)   | 35270<br>(78)   |                 |                 |                 |                 |                 |
| 20   | 89810<br>(49)    | 82700<br>(61.5)  | 65920<br>(61.5) | 72070<br>(68)   | 41700<br>(68)   | 59630<br>(77)   | 33070<br>(77)   |                 |                 |                 |                 |                 |
| 25   | 68930<br>(37.5)  | 67130<br>(55)    | 61460<br>(55)   | 58030<br>(63)   | 30330<br>(63)   | 50670<br>(73.5) | 29490<br>(73.5) | 33900<br>(78)   | 20940<br>(78)   | 20940<br>(78)   | 20940<br>(78)   |                 |
| 30   | 49780<br>(19)    | 54830<br>(47.5)  | 54470<br>(47.5) | 47950<br>(58)   | 26130<br>(58)   | 42090<br>(70)   | 25710<br>(70)   | 31770<br>(75.5) | 19840<br>(75.5) | 20940<br>(77)   | 20940<br>(77)   | 20850<br>(78)   |
| 35   |                  | 41410<br>(39)    | 45090<br>(39)   | 39680<br>(52.5) | 22770<br>(52.5) | 35480<br>(65)   | 19020<br>(65)   | 29310<br>(73)   | 18950<br>(73)   | 20940<br>(75)   | 20940<br>(75)   | 19990<br>(76.5) |
| 40   |                  | 31420<br>(28)    | 34950<br>(28)   | 30850<br>(46.5) | 19630<br>(46.5) | 30350<br>(63.5) | 15000<br>(63.5) | 25960<br>(70.5) | 18000<br>(70.5) | 20900<br>(72.5) | 20940<br>(72.5) | 19340<br>(74.5) |
| 45   |                  |                  |                 | 24270<br>(40)   | 17950<br>(40)   | 26470<br>(59.5) | 13290<br>(59.5) | 21880<br>(67.5) | 15500<br>(67.5) | 20970<br>(70.5) | 20940<br>(70.5) | 18990<br>(72.5) |
| 50   |                  |                  |                 | 19430<br>(32)   | 16270<br>(32)   | 21600<br>(56)   | 11770<br>(56)   | 19190<br>(65)   | 12800<br>(65)   | 18450<br>(68)   | 18580<br>(68)   | 17640<br>(70.5) |
| 55   |                  |                  |                 |                 |                 | 17320<br>(52)   | 10600<br>(52)   | 16840<br>(62.5) | 9900<br>(62.5)  | 16180<br>(65.5) | 16400<br>(65.5) | 15960<br>(68)   |
| 60   |                  |                  |                 |                 |                 | 13810<br>(47.5) | 9820<br>(47.5)  | 14890<br>(59.5) | 8700<br>(59.5)  | 14230<br>(63)   | 14480<br>(63)   | 14040<br>(66)   |
| 65   |                  |                  |                 |                 |                 | 11130<br>(43)   | 9320<br>(43)    | 13210<br>(56.5) | 8330<br>(56.5)  | 12550<br>(60.5) | 12970<br>(60.5) | 12530<br>(64)   |
| 70   |                  |                  |                 |                 |                 | 8880<br>(37.5)  | 8670<br>(37.5)  | 11380<br>(53.5) | 7900<br>(53.5)  | 11160<br>(58)   | 11600<br>(58)   | 11160<br>(61.5) |
| 75   |                  |                  |                 |                 |                 | 6890<br>(31.5)  | 7800<br>(31.5)  | 9630<br>(50.5)  | 7470<br>(50.5)  | 10010<br>(55.5) | 10350<br>(55.5) | 9960<br>(59.5)  |
| 80   |                  |                  |                 |                 |                 | 5320<br>(24)    | 6970<br>(24)    | 8660<br>(47)    | 7040<br>(47)    | 9000<br>(52.5)  | 9220<br>(52.5)  | 8910<br>(57)    |
| 85   |                  |                  |                 |                 |                 | 4560<br>(16.5)  | 6630<br>(16.5)  | 7250<br>(43.5)  | 6600<br>(43.5)  | 7990<br>(49.5)  | 8210<br>(49.5)  | 7990<br>(54.5)  |
| 90   |                  |                  |                 |                 |                 |                 | 6250<br>(39.5)  | 5500<br>(39.5)  | 7140<br>(46.5)  | 7360<br>(46.5)  | 7160<br>(52)    | 7160<br>(52)    |
| 95   |                  |                  |                 |                 |                 |                 | 5150<br>(35)    | 4950<br>(35)    | 6300<br>(43.5)  | 6630<br>(43.5)  | 6250<br>(49.5)  |                 |
| 100  |                  |                  |                 |                 |                 |                 | 4350<br>(30.5)  | 4400<br>(30.5)  | 5460<br>(40)    | 5960<br>(40)    | 5420<br>(46.5)  |                 |
| 105  |                  |                  |                 |                 |                 |                 | 3650<br>(24.5)  | 4000<br>(24.5)  | 4630<br>(36.5)  | 5290<br>(36.5)  | 4700<br>(45.5)  |                 |
| 110  |                  |                  |                 |                 |                 |                 | 3150<br>(17)    | 3620<br>(17)    | 3950<br>(32)    | 4700<br>(32)    | 4050<br>(40.5)  |                 |
| 115  |                  |                  |                 |                 |                 |                 |                 |                 | 3340<br>(27.5)  | 4050<br>(27.5)  | 3320<br>(37.5)  |                 |
| 120  |                  |                  |                 |                 |                 |                 |                 |                 | 2770<br>(21.5)  | 3440<br>(21.5)  | 2700<br>(33.5)  |                 |
| 125  |                  |                  |                 |                 |                 |                 |                 |                 | 2230<br>(14)    | 2940<br>(14)    | 2000<br>(30)    |                 |
| Min.<br>degree   |                  |                  |                 |                 |                 |                 |                 |                 |                 |                 | 22              |                 |
| 0 deg  | 27780            | 16200            | 15650           | 9190            | 11310           | 4540            | 6080            | 1940            | 3460            | 1230            | 1680            | 0               |
| Part<br>Line   | 12               | 9                | 9               | 9               | 9               | 6               | 6               | 5               | 5               | 5               | 5               | 3               |
| Mode   | I,II             | I                | II              | I               | II              | I               | II              | I               | II              | I               | II              | I,II            |
| TELE1  | 0                | 0.5              | 0               | 1               | 0               | 1               | 0               | 1               | 0               | 1               | 0.5             | 1               |
| TELE2  | 0                | 0                | 0.17            | 0               | 0.33            | 0.33            | 0.66            | 0.66            | 1               | 0.83            | 1               | 1               |
| TELE3  | 0                | 0                | 0.17            | 0               | 0.33            | 0.33            | 0.66            | 0.66            | 1               | 0.83            | 1               | 1               |
| TELE4  | 0                | 0                | 0.17            | 0               | 0.33            | 0.33            | 0.66            | 0.66            | 1               | 0.83            | 1               | 1               |

Number in parentheses () is the Boom Angle in Degrees.

\* This rated load is with the boom at the maximum boom angle.

\* This chart is only a guide and should never be used to operate the crane!

## MAIN BOOM 28,660lb (13000kg) COUNTERWEIGHT

| SRC885 Load Chart, Fully Extended O/R, 360°, Counterweight 28,660lb (13000kg) |                  |                  |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |
|---|------------------|------------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|
| Radius<br>(Feet)  | 38.7             | 52.3             | 52.3            | 65.9            | 65.9            | 93.2            | 93.2            | 120.4           | 120.4           | 134             | 134             | 147.6           |
| 10  | 170000<br>(67.5) | 112430<br>(74)   | 66140<br>(74)   |                 |                 |                 |                 |                 |                 |                 |                 |                 |
| 12  | 152650<br>(64)   | 112430<br>(71.5) | 66140<br>(71.5) | 94800<br>(75.5) | 62540<br>(75.5) |                 |                 |                 |                 |                 |                 |                 |
| 15  | 122030<br>(59)   | 104850<br>(68)   | 66140<br>(68)   | 88480<br>(72.5) | 54470<br>(72.5) | 66140<br>(78)   | 35270<br>(78)   |                 |                 |                 |                 |                 |
| 20  | 89810<br>(49)    | 82700<br>(61.5)  | 65920<br>(61.5) | 72070<br>(68)   | 41700<br>(68)   | 59630<br>(77)   | 33070<br>(77)   |                 |                 |                 |                 |                 |
| 25  | 68930<br>(37.5)  | 67130<br>(55)    | 61460<br>(55)   | 58030<br>(63)   | 30330<br>(73.5) | 50670<br>(73.5) | 29490<br>(73.5) | 33900<br>(78)   | 20940<br>□78□   | 20940<br>(78)   | 20940<br>□78□   |                 |
| 30  | 56890<br>(19)    | 55390<br>(47.5)  | 55040<br>(47.5) | 47950<br>(58)   | 26130<br>(58)   | 42090<br>(70)   | 25710<br>(70)   | 31770<br>(75.5) | 19840<br>□75.5□ | 20940<br>(77)   | 20940<br>□77□   | 20850<br>(78)   |
| 35  |                  | 47110<br>(39)    | 51070<br>(39)   | 40500<br>(52.5) | 22770<br>□52.5□ | 35480<br>(65)   | 19020<br>(65)   | 29310<br>(73)   | 18950<br>□73□   | 20940<br>(75)   | 20940<br>□75□   | 19990<br>(76.5) |
| 40  |                  | 37550<br>(28)    | 40990<br>(28)   | 34510<br>(46.5) | 20100<br>□46.5□ | 30350<br>(63.5) | 15000<br>(63.5) | 25960<br>(70.5) | 18000<br>□70.5□ | 20900<br>(72.5) | 20940<br>□72.5□ | 19340<br>(74.5) |
| 45  |                  |                  |                 | 29030<br>(40)   | 17800<br>□40□   | 26470<br>(59.5) | 13290<br>(59.5) | 21880<br>(67.5) | 15500<br>□67.5□ | 20970<br>(70.5) | 20940<br>□70.5□ | 18990<br>(72.5) |
| 50  |                  |                  |                 | 23900<br>□32□   | 16500<br>□32□   | 23210<br>(56)   | 11770<br>(56)   | 19190<br>(65)   | 12800<br>□65□   | 18450<br>(68)   | 18580<br>□68□   | 17640<br>(70.5) |
| 55  |                  |                  |                 |                 |                 | 20430<br>(52)   | 10600<br>(52)   | 16840<br>□62.5□ | 9900<br>□62.5□  | 16180<br>(65.5) | 16400<br>□65.5□ | 15960<br>(68)   |
| 60  |                  |                  |                 |                 |                 | 18040<br>(47.5) | 9820<br>(47.5)  | 14890<br>□59.5□ | 8700<br>□59.5□  | 14230<br>(63)   | 14480<br>□63□   | 14040<br>(66)   |
| 65  |                  |                  |                 |                 |                 | 16020<br>(44)   | 9320<br>(43)    | 13210<br>□56.5□ | 8330<br>□56.5□  | 12550<br>(60.5) | 12970<br>□60.5□ | 12530<br>(64)   |
| 70  |                  |                  |                 |                 |                 | 13840<br>(37.5) | 8670<br>(37.5)  | 11380<br>□53.5□ | 7900<br>□53.5□  | 11160<br>(58)   | 11600<br>□58□   | 11160<br>(61.5) |
| 75  |                  |                  |                 |                 |                 | 11890<br>(31.5) | 7880<br>□31.5□  | 10490<br>(50.5) | 7470<br>□50.5□  | 10010<br>(55.5) | 10350<br>□55.5□ | 9960<br>(59.5)  |
| 80  |                  |                  |                 |                 |                 | 10200<br>(24)   | 7050<br>□24□    | 9340<br>(47)    | 7040<br>□47□    | 9000<br>□52.5□  | 9220<br>(52.5)  | 8910<br>(57)    |
| 85  |                  |                  |                 |                 |                 | 8750<br>(16.5)  | 6800<br>□16.5□  | 8320<br>(43.5)  | 6600<br>□43.5□  | 7990<br>(49.5)  | 8210<br>□49.5□  | 7990<br>(54.5)  |
| 90  |                  |                  |                 |                 |                 |                 |                 | 7430<br>(39.5)  | 5500<br>□39.5□  | 7140<br>□46.5□  | 7360<br>(46.5)  | 7160<br>(52)    |
| 95  |                  |                  |                 |                 |                 |                 |                 | 6610<br>(35.)   | 4950<br>□35□    | 6380<br>□43.5□  | 6630<br>□43.5□  | 6250<br>(49.5)  |
| 100   |                  |                  |                 |                 |                 |                 |                 | 5870<br>(30.5)  | 4580<br>□30.5□  | 5680<br>□40□    | 6090<br>□40□    | 5710<br>(46.5)  |
| 105   |                  |                  |                 |                 |                 |                 |                 | 5190<br>(24.5)  | 4290<br>□24.5□  | 5030<br>□36.5□  | 5460<br>□36.5□  | 5090<br>(45.5)  |
| 110   |                  |                  |                 |                 |                 |                 |                 | 4550<br>(17)    | 3880<br>□17□    | 4450<br>(32)    | 4880<br>□32□    | 4520<br>(40.5)  |
| 115   |                  |                  |                 |                 |                 |                 |                 |                 |                 | 3920<br>(27.5)  | 4350<br>□27.5□  | 4000<br>(37.5)  |
| 120   |                  |                  |                 |                 |                 |                 |                 |                 |                 | 3410<br>(21)    | 3860<br>□21□    | 3520<br>(33.5)  |
| 125   |                  |                  |                 |                 |                 |                 |                 |                 |                 | 2940<br>(14)    | 3390<br>□14□    | 3060<br>(30)    |
| 130   |                  |                  |                 |                 |                 |                 |                 |                 |                 |                 |                 | 2650<br>(24.5)  |
| 135   |                  |                  |                 |                 |                 |                 |                 |                 |                 |                 |                 | 2270<br>(18.5)  |
| Min.<br>degree  |                  |                  |                 |                 |                 |                 |                 |                 |                 |                 |                 | 18              |
| 0 deg   | 27780            | 16200            | 15650           | 9190            | 11310           | 4540            | 6080            | 1940            | 3460            | 1230            | 1680            | 0               |
| Part<br>Line  | 12               | 9                | 9               | 9               | 9               | 6               | 6               | 5               | 5               | 5               | 5               | 3               |
| Mode  | I,II             | I                | II              | I               | II              | I               | II              | I               | II              | I               | II              | I,II            |
| TELE1   | 0                | 0.5              | 0               | 1               | 0               | 1               | 0               | 1               | 0               | 1               | 0.5             | 1               |
| TELE2   | 0                | 0                | 0.17            | 0               | 0.33            | 0.33            | 0.66            | 0.66            | 1               | 0.83            | 1               | 1               |
| TELE3   | 0                | 0                | 0.17            | 0               | 0.33            | 0.33            | 0.66            | 0.66            | 1               | 0.83            | 1               | 1               |
| TELE4   | 0                | 0                | 0.17            | 0               | 0.33            | 0.33            | 0.66            | 0.66            | 1               | 0.83            | 1               | 1               |

Number in parentheses () is the Boom Angle in Degrees.

\* This rated load is with the boom at the maximum boom angle

\* This chart is only a guide and should never be used to operate the crane!

## FOLDING BOOM EXTENSION

## FULLY EXTENDED OUTRIGGERS 19,840 lb (9000kg) COUNTERWEIGHT

| Sany SRC885 Load Chart in Pounds, Boom Extension – Fully Extended O/R, 360°<br>19,840 lb (9000kg) COUNTERWEIGHT |              |        |       |        |      |        |              |        |      |        |      |        |                  |  |
|---|--------------|--------|-------|--------|------|--------|--------------|--------|------|--------|------|--------|------------------|--|
| Radius<br>(Feet)  | 147.5+30.2   |        |       |        |      |        | 147.5+52.5   |        |      |        |      |        | Radius<br>(Feet) |  |
|   | Offset Angle |        |       |        |      |        | Offset Angle |        |      |        |      |        |                  |  |
|   | 0°           |        | 20°   |        | 40°  |        | 0°           |        | 20°  |        | 40°  |        |                  |  |
|   | lbs          | degree | lbs   | degree | lbs  | degree | lbs          | degree | lbs  | degree | lbs  | degree |                  |  |
| 40  | 12630        | 74.5   |       |        |      |        |              |        |      |        |      |        | 40               |  |
| 45  | 12630        | 72.8   | 12090 | 75.6   |      |        | 6980         | 74.8   |      |        |      |        | 45               |  |
| 50  | 12630        | 71.1   | 12040 | 73.9   |      |        | 6980         | 73.3   |      |        |      |        | 50               |  |
| 55  | 12630        | 69.4   | 11710 | 72.2   | 9220 | 74.4   | 6980         | 71.8   |      |        |      |        | 55               |  |
| 60  | 12630        | 67.7   | 11340 | 70.5   | 9040 | 72.6   | 6980         | 70.3   | 6400 | 74.9   |      |        | 60               |  |
| 65  | 12364        | 65.9   | 11060 | 68.7   | 8910 | 70.8   | 6980         | 68.8   | 6250 | 73.4   |      |        | 65               |  |
| 70  | 12020        | 64.2   | 10740 | 66.9   | 8770 | 69.0   | 6840         | 67.2   | 6110 | 71.8   | 4410 | 75.5   | 70               |  |
| 75  | 11120        | 62.4   | 10350 | 65.1   | 8640 | 67.1   | 6690         | 65.7   | 5980 | 70.2   | 4380 | 73.9   | 75               |  |
| 80  | 9950         | 60.5   | 9900  | 63.2   | 8530 | 65.2   | 6430         | 64.1   | 5850 | 68.6   | 4340 | 72.2   | 80               |  |
| 85  | 9130         | 58.6   | 9180  | 61.3   | 8260 | 63.2   | 6020         | 62.5   | 5730 | 67.0   | 4320 | 70.5   | 85               |  |
| 90  | 7960         | 56.7   | 8290  | 59.4   | 7920 | 61.2   | 5660         | 60.8   | 5620 | 65.3   | 4300 | 68.8   | 90               |  |
| 95  | 6930         | 54.8   | 7630  | 57.4   | 7520 | 59.2   | 5330         | 59.2   | 5510 | 63.6   | 4230 | 67.0   | 95               |  |
| 100   | 6020         | 52.8   | 6660  | 55.4   | 6620 | 57.1   | 5030         | 57.5   | 5410 | 61.9   | 4180 | 65.2   | 100              |  |
| 105   | 5210         | 50.7   | 5800  | 53.3   | 5360 | 54.9   | 4710         | 55.8   | 5200 | 60.2   | 4140 | 63.4   | 105              |  |
| 110   | 4480         | 48.6   | 5020  | 51.2   | 5070 | 52.7   | 4420         | 54.0   | 4950 | 58.4   | 4010 | 61.5   | 110              |  |
| 115   | 3820         | 46.4   | 4310  | 48.9   | 4610 | 50.4   | 4180         | 52.2   | 4700 | 56.6   | 3920 | 59.6   | 115              |  |
| 120   | 3230         | 44.2   | 3670  | 46.6   | 3930 | 47.9   | 3620         | 50.4   | 4370 | 54.7   | 3730 | 57.6   | 120              |  |
| 125   | 2680         | 41.8   | 3090  | 44.2   | 3310 | 45.4   | 3070         | 48.5   | 3890 | 52.8   | 3570 | 55.6   | 125              |  |
| 130   | 2190         | 39.3   | 2550  | 41.7   | 2730 | 42.7   | 2570         | 46.6   | 3330 | 50.8   | 3160 | 53.5   | 130              |  |
| 135   | 1730         | 36.7   | 2060  | 39.0   | 2200 | 39.9   | 2110         | 44.6   | 2810 | 48.8   | 2860 | 51.2   | 135              |  |
| 140   | 1310         | 33.9   | 1600  | 36.2   | 1710 | 36.8   | 1690         | 42.5   | 2330 | 46.6   | 2330 | 48.9   | 140              |  |
| 145   |              |        | 1180  | 33.1   | 1250 | 33.4   | 1300         | 40.3   | 1890 | 44.4   | 2130 | 46.5   | 145              |  |
| 150   |              |        |       |        |      |        |              |        | 1470 | 42.1   | 1770 | 44.0   | 150              |  |
| 155   |              |        |       |        |      |        |              |        | 1090 | 39.6   | 1330 | 41.2   | 155              |  |
| 160   |              |        |       |        |      |        |              |        |      |        |      |        | 160              |  |
| 165   |              |        |       |        |      |        |              |        |      |        |      |        | 165              |  |
| Min Angle(°)  | 28           |        | 28    |        | 40   |        | 36           |        | 37   |        | 40   |        |                  |  |

## FOLDING BOOM EXTENSION CAPACITY NOTES:

**WARNING:** Operation of this machine with heavier loads than the capacities listed is strictly prohibited. Machine tipping with boom extension occurs rapidly and without advance warning.

1. Capacities above the bold line are based on the structural strength of the boom extension.
2. The capacities listed are with the outriggers fully extended and vertical jacks properly set only.
3. The boom extension may only be used for single line lifting service.
4. Use only the load which corresponds to the boom extension length and offset angle as the machine is configured.
5. For main boom lengths less than fully extended with the boom extension erected, the boom extension rated loads are determined by the boom angle not the radius.
6. For boom angles not shown, use the rating of the next lower boom angle.
7. The boom angle is defined as the angle above or below the horizontal line of the longitudinal axis of the boom base section after lifting the rated load.
8. When lifting over the main boom nose with the boom extension erected, the outriggers must be fully extended and the proper load reduction must be used.
9. Do not lower the boom below the Minimum Boom Angle with the extension erected. Fully retract the boom to lower the boom below the Minimum Boom Angle.

\* This chart is only a guide and should never be used to operate the crane.

**FULLY EXTENDED OUTRIGGERS 28,660 lb (13000kg) COUNTERWEIGHT**

| Sany SRC885 Load Chart in Pounds, Boom Extension – Fully Extended O/R, 360°<br>28,660 lb (13000kg) COUNTERWEIGHT |              |      |        |      |        |      |              |      |        |      |        |      |                  |  |
|--|--------------|------|--------|------|--------|------|--------------|------|--------|------|--------|------|------------------|--|
| Radius<br>(Feet)   | 147.5+30.2   |      |        |      |        |      | 147.5+52.5   |      |        |      |        |      | Radius<br>(Feet) |  |
|  | Offset Angle |      |        |      |        |      | Offset Angle |      |        |      |        |      |                  |  |
|  | 0°           |      | 20°    |      | 40°    |      | 0°           |      | 20°    |      | 40°    |      |                  |  |
| lbs  | degree       | lbs  | degree | lbs  | degree | lbs  | degree       | lbs  | degree | lbs  | degree | lbs  | degree           |  |
| 40   | 12630        | 74.5 |        |      |        |      |              |      |        |      |        |      | 40               |  |
| 45   | 12630        | 72.8 | 12090  | 75.6 |        |      | 6980         | 74.8 |        |      |        |      | 45               |  |
| 50   | 12630        | 71.1 | 12040  | 73.9 |        |      | 6980         | 73.3 |        |      |        |      | 50               |  |
| 55   | 12630        | 69.4 | 11710  | 72.2 | 9220   | 74.4 | 6980         | 71.8 |        |      |        |      | 55               |  |
| 60   | 12630        | 67.7 | 11340  | 70.5 | 9040   | 72.6 | 6980         | 70.3 | 6400   | 74.9 |        |      | 60               |  |
| 65   | 12364        | 65.9 | 11060  | 68.7 | 8910   | 70.8 | 6980         | 68.8 | 6250   | 73.4 |        |      | 65               |  |
| 70   | 12020        | 64.2 | 10740  | 66.9 | 8770   | 69.0 | 6840         | 67.2 | 6110   | 71.8 | 4410   | 75.5 | 70               |  |
| 75   | 11300        | 62.4 | 10350  | 65.1 | 8640   | 67.1 | 6690         | 65.7 | 5980   | 70.2 | 4380   | 73.9 | 75               |  |
| 80   | 10500        | 60.5 | 9900   | 63.2 | 8530   | 65.2 | 6430         | 64.1 | 5850   | 68.6 | 4340   | 72.2 | 80               |  |
| 85   | 10000        | 58.6 | 9500   | 61.3 | 8260   | 63.2 | 6020         | 62.5 | 5730   | 67.0 | 4320   | 70.5 | 85               |  |
| 90   | 8750         | 56.7 | 9100   | 59.4 | 7920   | 61.2 | 5660         | 60.8 | 5620   | 65.3 | 4300   | 68.8 | 90               |  |
| 95   | 7670         | 54.8 | 8500   | 57.4 | 7520   | 59.2 | 5330         | 59.2 | 5510   | 63.6 | 4230   | 67.0 | 95               |  |
| 100  | 6730         | 52.8 | 7370   | 55.4 | 6620   | 57.1 | 5030         | 57.5 | 5410   | 61.9 | 4180   | 65.2 | 100              |  |
| 105  | 5880         | 50.7 | 6470   | 53.3 | 5560   | 54.9 | 4710         | 55.8 | 5200   | 60.2 | 4140   | 63.4 | 105              |  |
| 110  | 5120         | 48.6 | 5560   | 51.2 | 5270   | 52.7 | 4420         | 54.0 | 4950   | 58.4 | 4010   | 61.5 | 110              |  |
| 115  | 4430         | 46.4 | 4920   | 48.9 | 4820   | 50.4 | 4230         | 52.2 | 4700   | 56.6 | 3920   | 59.6 | 115              |  |
| 120  | 3820         | 44.2 | 4260   | 46.6 | 4520   | 47.9 | 4000         | 50.4 | 4400   | 54.7 | 3730   | 57.6 | 120              |  |
| 125  | 3240         | 41.8 | 3650   | 44.2 | 3870   | 45.4 | 3630         | 48.5 | 4100   | 52.8 | 3570   | 55.6 | 125              |  |
| 130  | 2730         | 39.3 | 3090   | 41.7 | 3270   | 42.7 | 3110         | 46.6 | 3870   | 50.8 | 3160   | 53.5 | 130              |  |
| 135  | 2250         | 36.7 | 2580   | 39.0 | 2720   | 39.9 | 2630         | 44.6 | 3330   | 48.8 | 2860   | 51.2 | 135              |  |
| 140  | 1810         | 33.9 | 2100   | 36.2 | 2210   | 36.8 | 2190         | 42.5 | 2830   | 46.6 | 2330   | 48.9 | 140              |  |
| 145  | 1420         | 34.0 | 1670   | 33.1 | 1740   | 33.4 | 1790         | 40.3 | 2380   | 44.4 | 2150   | 46.5 | 145              |  |
| 150  |              |      |        |      |        |      |              |      | 1940   | 42.1 | 2000   | 44.0 | 150              |  |
| 155  |              |      |        |      |        |      |              |      | 1540   | 39.6 | 1700   | 41.2 | 155              |  |
| 160  |              |      |        |      |        |      |              |      |        |      |        |      | 160              |  |
| 165  |              |      |        |      |        |      |              |      |        |      |        |      | 165              |  |
| Min Angle(°)   | 28           |      | 28     |      | 40     |      | 36           |      | 37     |      | 40     |      |                  |  |

\* This chart is only a guide and should never be used to operate the crane!

## ON OUTRIGGERS 50% EXTENDED

## MAIN BOOM 19,840 lb (9000kg) COUNTERWEIGHT

| SRC885 Load Chart, 50% Extended O/R, 360°, Counterweight 19,840 lb (9000kg) |                  |                  |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |
|---|------------------|------------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|
| Radius<br>(Feet)  | 38.7             | 52.3             | 52.3            | 65.9            | 65.9            | 93.2            | 93.2            | 120.4           | 120.4           | 134             | 134             | 147.6           |
| 10  | 170000<br>(67.5) | 112430<br>(74)   | 66140<br>(74)   |                 |                 |                 |                 |                 |                 |                 |                 |                 |
| 12  | 152650<br>(64)   | 112430<br>(71.5) | 66140<br>(71.5) | 94800<br>(75.5) | 62540<br>□75□   |                 |                 |                 |                 |                 |                 |                 |
| 15  | 121620<br>(59)   | 104850<br>(68)   | 66140<br>(68)   | 88480<br>(72.5) | 54470<br>□72.5) | 66140<br>(78)   | 35270<br>□78□   |                 |                 |                 |                 |                 |
| 20  | 70380<br>(49)    | 68690<br>(61.5)  | 65850<br>(61.5) | 67360<br>(68)   | 41700<br>□68□   | 59630<br>(76)   | 33070<br>□76□   |                 |                 |                 |                 |                 |
| 25  | 45540<br>(37.5)  | 44110<br>(55)    | 48280<br>(55)   | 42970<br>(63.0) | 30030<br>□63.0) | 46920<br>(72.5) | 29490<br>□72.5) | 33900<br>(78)   | 20940<br>□78□   | 20940<br>(78)   | 20940<br>□78□   |                 |
| 30  | 31380<br>(19)    | 30420<br>(47.5)  | 34130<br>(47.5) | 29390<br>(58)   | 25130<br>□58)   | 33090<br>(69)   | 25010<br>□69□   | 31620<br>(75.5) | 19840<br>□75.5) | 20940<br>(77.0) | 20940<br>□77□   | 20850<br>(78)   |
| 35  |                  | 22210<br>(39)    | 25650<br>(39)   | 21250<br>(52.5) | 21670<br>□52.5) | 24660<br>(66)   | 19020<br>□66    | 26420<br>(74.5) | 18950<br>□74.5) | 20940<br>(75)   | 20940<br>□75□   | 19990<br>(76.5) |
| 40  |                  | 16400<br>(28)    | 19650<br>(28)   | 15670<br>(46.5) | 17530<br>□46.5) | 18890<br>(62.5) | 15000<br>□62.5) | 20540<br>(70.5) | 17080<br>□70.5) | 20500<br>(72)   | 20590<br>□72□   | 19150<br>(74.5) |
| 45  |                  |                  |                 | 11660<br>(40)   | 15010<br>□40□   | 14740<br>(58.5) | 13290<br>□58.5) | 16310<br>(66.5) | 15500<br>□67.5) | 17040<br>(69.5) | 17820<br>□69.5) | 17160<br>(72.5) |
| 50  |                  |                  |                 | 8630<br>(32)    | 13840<br>□32□   | 11600<br>(55)   | 11770<br>□55□   | 13120<br>(64)   | 12800<br>□64.5) | 13960<br>(67)   | 14860<br>□67□   | 14340<br>(69.5) |
| 55  |                  |                  |                 |                 |                 | 9080<br>(51)    | 10600<br>□51)   | 10550<br>(61.5) | 9200<br>□62□    | 11370<br>(64.5) | 12240<br>□64.5) | 11730<br>(67)   |
| 60  |                  |                  |                 |                 |                 | 7020<br>(46.5)  | 9820<br>□46.5)  | 8460<br>(58.5)  | 8600<br>□59□    | 9260<br>(62)    | 10110<br>□62□   | 9610<br>(65)    |
| 65  |                  |                  |                 |                 |                 | 5370<br>(42)    | 8430<br>□41)    | 6780<br>(55.5)  | 8330<br>□56□    | 7550<br>(59.5)  | 8390<br>□59.5)  | 7900<br>(63)    |
| 70  |                  |                  |                 |                 |                 | 4020<br>(36.5)  | 7030<br>□36.5)  | 5400<br>□52.5)  | 7880<br>□53□    | 6160<br>(57)    | 6990<br>□57□    | 6510<br>(60.5)  |
| 75  |                  |                  |                 |                 |                 | 2850<br>(30.5)  | 5820<br>□30.5)  | 4200<br>□49.5)  | 6650<br>□50□    | 4960<br>□54.5)  | 5780<br>□54.5)  | 5290<br>(58.5)  |
| 80  |                  |                  |                 |                 |                 | 1830<br>(23)    | 4770<br>□23□    | 3170<br>(46)    | 5580<br>□46.5)  | 3910<br>□51.5)  | 4720<br>□52□    | 4240<br>(56)    |
| 85  |                  |                  |                 |                 |                 |                 |                 | 2270<br>(42.5)  | 4660<br>□43□    | 3000<br>□48.5)  | 3800<br>□49□    | 3330<br>(53.5)  |
| 90  |                  |                  |                 |                 |                 |                 |                 | 1500<br>(38.5)  | 3870<br>□39□    | 2230<br>□45.5)  | 3020<br>□46□    | 2550<br>(51)    |
| 95  |                  |                  |                 |                 |                 |                 |                 |                 |                 | 1530<br>(42.5)  | 2320<br>□42.5)  | 1850<br>(48.5)  |
| 100   |                  |                  |                 |                 |                 |                 |                 |                 |                 |                 | 1690<br>□39□    | 1230<br>(45.5)  |
| 105   |                  |                  |                 |                 |                 |                 |                 |                 |                 |                 | 1130<br>□35.5)  | 660<br>(41.5)   |
| 110   |                  |                  |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |
| Min.<br>degree  |                  |                  |                 |                 |                 |                 |                 | 31              | 25              | 36              | 30              | 40              |
| 0 deg   | 27780            | 12610            | 15650           | 4770            | 9760            | 850             | 3760            |                 |                 |                 |                 |                 |
| Part<br>Line  | 12               | 9                | 9               | 9               | 9               | 6               | 6               | 5               | 5               | 5               | 5               | 3               |
| mode  | I,II             | I                | II              | I               | II              | I               | II              | I               | II              | I               | II              | I,II            |
| TELE1   | 0                | 0.5              | 0               | 1               | 0               | 1               | 0               | 1               | 0               | 1               | 0.5             | 1               |
| TELE2   | 0                | 0                | 0.17            | 0               | 0.33            | 0.33            | 0.66            | 0.66            | 1               | 0.83            | 1               | 1               |
| TELE3   | 0                | 0                | 0.17            | 0               | 0.33            | 0.33            | 0.66            | 0.66            | 1               | 0.83            | 1               | 1               |
| TELE4   | 0                | 0                | 0.17            | 0               | 0.33            | 0.33            | 0.66            | 0.66            | 1               | 0.83            | 1               | 1               |

Number in parentheses () is the Boom Angle in Degrees.

\* This rated load is with the boom at the maximum boom angle.

\* This chart is only a guide and should never be used to operate the crane!

## MAIN BOOM 28,660 lb (13000kg) COUNTERWEIGHT

| SRC885 Load Chart, 50% Extended O/R, 360° Counterweight 28,660 lb (13000kg) |                  |                  |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |  |
|---|------------------|------------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|--|
| Radius<br>(Feet.)   | 38.7             | 52.3             | 52.3            | 65.9            | 65.9            | 93.2            | 93.2            | 120.4           | 120.4           | 134.0           | 134.0           | 147.6           |  |
| 10  | 170000<br>(67.5) | 112430<br>(74)   | 66140<br>□74□   |                 |                 |                 |                 |                 |                 |                 |                 |                 |  |
| 12  | 152650<br>(64)   | 112430<br>(71.5) | 66140<br>□71.5□ | 94800<br>(75.5) | 62540<br>□75□   |                 |                 |                 |                 |                 |                 |                 |  |
| 15  | 122030<br>(59)   | 104850<br>(68)   | 66140<br>□68□   | 88480<br>(72.5) | 54470<br>□72.5□ | 66140<br>(78)   | 35270<br>□78□   |                 |                 |                 |                 |                 |  |
| 20  | 82830<br>(49)    | 81140<br>(61.5)  | 65920<br>□61.5□ | 72070<br>(68)   | 41700<br>□68□   | 59630<br>(77)   | 33070<br>□77□   |                 |                 |                 |                 |                 |  |
| 25  | 54250<br>(37.5)  | 52810<br>(55)    | 56980<br>□55□   | 51680<br>(63)   | 30330<br>□63□   | 50670<br>(73.5) | 29490<br>□73.5□ | 33900<br>(78)   | 20940<br>□78□   | 20940<br>(78)   | 20940<br>(78)   |                 |  |
| 30  | 37950<br>(19)    | 37030<br>(47.5)  | 40750<br>(47.5) | 36010<br>(58)   | 26130<br>(58)   | 39710<br>(69)   | 25710<br>(70)   | 31770<br>(75.5) | 19840<br>(75.5) | 20940<br>(77)   | 20940<br>(77)   | 20850<br>(78)   |  |
| 35  |                  | 27580<br>(39)    | 31020<br>(39)   | 26610<br>(52.5) | 22770<br>(52.5) | 30030<br>(66)   | 19020<br>(67)   | 29310<br>(73)   | 18950<br>(73)   | 20940<br>(75)   | 20940<br>(75)   | 19990<br>(76.5) |  |
| 40  |                  | 20880<br>(28)    | 24140<br>(28)   | 20180<br>(46.5) | 23400<br>(46.5) | 15000<br>(62.5) | 25040<br>(63.5) | 18000<br>(69.5) | 20870<br>(70.5) | 20940<br>(71.5) | 20940<br>(71.5) | 19340<br>(74.5) |  |
| 45  |                  |                  |                 | 15550<br>(40)   | 17800<br>(40)   | 18630<br>(58.5) | 13290<br>(59.5) | 20210<br>(66.5) | 15500<br>(67.5) | 20290<br>(69.5) | 20940<br>(69.5) | 18990<br>(72.5) |  |
| 50  |                  |                  |                 | 12060<br>(32)   | 16500<br>□32□   | 15030<br>□56□   | 11770<br>(64)   | 16550<br>□56□   | 12800<br>□65□   | 17390<br>(67)   | 18140<br>(67)   | 17080<br>(69.5) |  |
| 55  |                  |                  |                 |                 |                 | 12130<br>(51)   | 10600<br>□52□   | 13610<br>(61.5) | 9900<br>□62.5□  | 14420<br>(64.5) | 15290<br>(64.5) | 14790<br>(67)   |  |
| 60  |                  |                  |                 |                 |                 | 9770<br>(46.5)  | 9820<br>□47.5□  | 11210<br>(58.5) | 8700<br>□59.5□  | 12010<br>(62)   | 12860<br>(62)   | 12360<br>(65)   |  |
| 65  |                  |                  |                 |                 |                 | 7880<br>(42)    | 9320<br>□44□    | 9280<br>(56.5)  | 8330<br>□56.5□  | 10060<br>(59.5) | 10900<br>(59.5) | 10410<br>(63)   |  |
| 70  |                  |                  |                 |                 |                 | 6320<br>(36.5)  | 8670<br>□37.5□  | 7700<br>(52.5)  | 7900<br>□53.5□  | 8470<br>(57)    | 9290<br>(57)    | 8810<br>(60.5)  |  |
| 75  |                  |                  |                 |                 |                 | 4980<br>(30.5)  | 7880<br>□31.5□  | 6330<br>(49.5)  | 7470<br>□50.5□  | 7090<br>(54.5)  | 7900<br>(55)    | 7420<br>(58.5)  |  |
| 80  |                  |                  |                 |                 |                 | 3810<br>(23)    | 6750<br>□23.5□  | 5140<br>(46)    | 7040<br>□47□    | 5890<br>(51.5)  | 6700<br>(51.5)  | 6220<br>(56)    |  |
| 85  |                  |                  |                 |                 |                 | 2800<br>(12)    | 5710<br>□14.5□  | 4110<br>(42.5)  | 6510<br>□43□    | 4850<br>(48.5)  | 5650<br>(48.5)  | 5180<br>(53.5)  |  |
| 90  |                  |                  |                 |                 |                 |                 |                 | 3240<br>(38.5)  | 5610<br>□39.0□  | 3960<br>(45.5)  | 4760<br>(45.5)  | 4290<br>(51)    |  |
| 95  |                  |                  |                 |                 |                 |                 |                 | 2450<br>(34)    | 4800<br>□34.5□  | 3170<br>(45.5)  | 3960<br>(45.5)  | 3490<br>(48.5)  |  |
| 100   |                  |                  |                 |                 |                 |                 |                 | 1740<br>(29.5)  | 4080<br>□30□    | 2450<br>(39)    | 3240<br>(39)    | 2770<br>(45.5)  |  |
| 105   |                  |                  |                 |                 |                 |                 |                 | 1110<br>(23.5)  | 3430<br>□24□    | 1810<br>(35.5)  | 2590<br>(35.5)  | 2130<br>(42.5)  |  |
| 110   |                  |                  |                 |                 |                 |                 |                 |                 |                 | 1250<br>(31)    | 2020<br>(31)    | 1560<br>(39.5)  |  |
| 115   |                  |                  |                 |                 |                 |                 |                 |                 |                 |                 | 1500<br>(25.5)  | 1040<br>(36)    |  |
| 120   |                  |                  |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |  |
| Min degree  |                  |                  |                 |                 |                 |                 |                 | 14              | 12              | 23              | 15              | 31              |  |
| 0 deg   | 27780            | 12610            | 15650           | 4770            | 9760            | 850             | 3760            |                 |                 |                 |                 |                 |  |
| Part Line   | 12               | 9                | 9               | 9               | 9               | 6               | 6               | 5               | 5               | 5               | 5               | 3               |  |
| Mode  | I,II             | I                | II              | I               | II              | I               | II              | I               | II              | I               | II              | I,II            |  |
| TELE1   | 0%               | 50%              | 0%              | 100%            | 0%              | 100%            | 0%              | 100%            | 0%              | 100%            | 50%             | 100%            |  |
| TELE2   | 0%               | 0%               | 17%             | 0%              | 33%             | 33%             | 66%             | 66%             | 100%            | 83%             | 100%            | 100%            |  |
| TELE3   | 0%               | 0%               | 17%             | 0%              | 33%             | 33%             | 66%             | 66%             | 100%            | 83%             | 100%            | 100%            |  |
| TELE4   | 0%               | 0%               | 17%             | 0%              | 33%             | 33%             | 66%             | 66%             | 100%            | 83%             | 100%            | 100%            |  |

Number in parentheses () is the Boom Angle in Degrees.

\* This rated load is with the boom at the maximum boom angle.

\* This chart is only a guide and should never be used to operate the crane!

**ON OUTRIGGERS 0% EXTENDED**
**MAIN BOOM 19,840 lb (9000kg) COUNTERWEIGHT**

| SRC885 Load Chart, 0% Extended O/R, 360°, Counterweight 19,840 lb (9000kg) |                  |                 |                 |                 |                 |                 |                 |                 |                 |                 |                |                 |
|--|------------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|----------------|-----------------|
| Radius<br>(Feet)   | 38.7             | 52.3            | 52.3            | 65.9            | 65.9            | 93.2            | 93.2            | 120.4           | 120.4           | 134.0           | 134.0          | 147.6           |
| 10   | 121900<br>(67.5) |                 |                 |                 |                 |                 |                 |                 |                 |                 |                |                 |
| 12   | 83350<br>(64)    | 81440<br>(71.5) | 66140<br>□71.5□ | 79940<br>(75.5) | 62540<br>□75.5□ |                 |                 |                 |                 |                 |                |                 |
| 15   | 53880<br>(59)    | 52310<br>(68)   | 56920<br>□68□   | 51070<br>(72.5) | 54470<br>□72.5□ | 55710<br>(78)   | 35270<br>□78□   |                 |                 |                 |                |                 |
| 20   | 31720<br>(49)    | 30400<br>(61.5) | 34200<br>□61.5□ | 29350<br>(68)   | 35900<br>□68□   | 33150<br>(75)   | 33070<br>□77□   |                 |                 |                 |                |                 |
| 25   | 20910<br>(37.5)  | 19710<br>(55)   | 23130<br>□55□   | 18760<br>(63)   | 24630<br>□63□   | 22150<br>(71.5) | 24880<br>□71.5□ | 23880<br>(78)   | 20940<br>□78□   | 20940<br>(78)   |                |                 |
| 30   |                  | 13070<br>(47.5) | 16240<br>□47.5□ | 12180<br>(58)   | 17640<br>□58□   | 15310<br>(68)   | 17740<br>□68□   | 16910<br>(73.5) | 18220<br>□73.5□ | 17800<br>(75)   | 18730<br>□75□  | 18200<br>(78)   |
| 35   |                  |                 | 8770<br>□39□    | 11790<br>(52.5) | 7920<br>□52.5□  | 10880<br>(65)   | 13110<br>□65□   | 12400<br>(71)   | 14070<br>□71□   | 13240<br>(73)   | 14130<br>□73□  | 13620<br>(74.5) |
| 40   |                  |                 | 5660<br>□28□    | 8500<br>(46.5)  | 4860<br>□46.5□  | 9860<br>(61.5)  | 7710<br>□61.5□  | 9790<br>(68.5)  | 9160<br>□68.5□  | 11740<br>(70.5) | 9970<br>□70.5□ | 10830<br>(72.5) |
| 45   |                  |                 |                 | 2590<br>□40□    | 7440<br>(40)    | 5350<br>□57.5□  | 7330<br>□57.5□  | 6760<br>□65.5□  | 9260<br>□65.5□  | 7540<br>(68.5)  | 8370<br>□68.5□ | 7880<br>(70.5)  |
| 50   |                  |                 |                 |                 | 5580<br>□32□    | 3520<br>□54□    | 5420<br>□54□    | 4890<br>□63□    | 7350<br>□63□    | 5650<br>□66□    | 6470<br>□66□   | 5990<br>(68.5)  |
| 55   |                  |                 |                 |                 |                 | 2030<br>□50□    | 3860<br>□50□    | 3370<br>□60.5□  | 5770<br>□60.5□  | 4110<br>□63.5□  | 4910<br>□63.5□ | 4440<br>(66)    |
| 60   |                  |                 |                 |                 |                 |                 | 2560<br>□45.5□  | 2100<br>(57.5)  | 4470<br>□57.5□  | 2830<br>□61□    | 3630<br>□61□   | 3160<br>(64)    |
| 65   |                  |                 |                 |                 |                 |                 |                 | 1510<br>□41□    | 1070<br>(54.5)  | 3410<br>□54.5□  | 1790<br>(58.5) | 2580<br>□58.5□  |
| 70   |                  |                 |                 |                 |                 |                 |                 |                 |                 | 2530<br>□51.5□  | 930<br>(56)    | 1700<br>□56□    |
| 75   |                  |                 |                 |                 |                 |                 |                 |                 |                 |                 |                |                 |
| Max Degree   | 74               | 78              |                 |                 |                 |                 |                 |                 |                 |                 |                |                 |
| Min degree   |                  |                 |                 | 31              |                 | 44              | 25              | 52              | 41              | 55              | 52             | 57              |
| 0 degree   | 13000            | 3450            | 6270            |                 | 3140            |                 |                 |                 |                 |                 |                |                 |
| Part Line  | 12               | 9               | 9               | 9               | 9               | 6               | 6               | 5               | 5               | 5               | 5              | 3               |
| Mode   | I,II             | I               | II              | I               | II              | I               | II              | I               | II              | I               | II             | I,II            |
| TELE1  | 0%               | 50%             | 0%              | 100%            | 0%              | 100%            | 0%              | 100%            | 0%              | 100%            | 50%            | 100%            |
| TELE2  | 0%               | 0%              | 17%             | 0%              | 33%             | 33%             | 66%             | 66%             | 100%            | 83%             | 100%           | 100%            |
| TELE3  | 0%               | 0%              | 17%             | 0%              | 33%             | 33%             | 66%             | 66%             | 100%            | 83%             | 100%           | 100%            |
| TELE4  | 0%               | 0%              | 17%             | 0%              | 33%             | 33%             | 66%             | 66%             | 100%            | 83%             | 100%           | 100%            |

Number in parentheses () is the Boom Angle in Degrees.

\* This rated load is with the boom at the maximum boom angle.

\* This chart is only a guide and should never be used to operate the crane!

**MAIN BOOM 28,660 lb (13000kg) COUNTERWEIGHT**

| SRC885 Load Chart, 0% Extended O/R, 360°, Counterweight 28,660 lb (13000kg) |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |
|---|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|
| Radius<br>(Feet)  | 38.7            | 52.3            | 52.3            | 65.9            | 65.9            | 93.2            | 93.2            | 120.4           | 120.4           | 134.0           | 134.0           | 147.6           |
| 12  | 100160<br>(64)  |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |
| 15  | 65490<br>(59)   | 63920<br>(68)   | 65020<br>□68□   | 62680<br>(72.5) | 62540<br>□75.5□ | 64850<br>(78)   | 35270<br>□78□   |                 |                 |                 |                 |                 |
| 20  | 39420<br>(49)   | 38100<br>(61.5) | 41900<br>□61.5□ | 37050<br>(68)   | 43600<br>□68□   | 40850<br>(75)   | 33070<br>□77□   |                 |                 |                 |                 |                 |
| 25  | 26700<br>(37.5) | 25510<br>(55)   | 28920<br>□55□   | 24550<br>(63)   | 30430<br>□63□   | 27940<br>(71.5) | 29490<br>□73.5□ | 29680<br>(78)   | 20940<br>□78□   | 20940<br>(78)   | 20940<br>□78□   |                 |
| 30  | 18630<br>(19)   | 17680<br>(47.5) | 20850<br>□47.5□ | 16790<br>(58)   | 22240<br>□58□   | 19920<br>(68)   | 23340<br>□68□   | 21520<br>(73.5) | 19840<br>□75.5□ | 20680<br>(75)   | 20810<br>□75□   | 20730<br>(78)   |
| 35  |                 | 12610<br>(39)   | 15630<br>□39□   | 11760<br>(52.5) | 16940<br>□52.5□ | 14720<br>(65)   | 17980<br>□65□   | 16240<br>(71)   | 18410<br>□71□   | 17080<br>(73)   | 17970<br>□73□   | 17460<br>(74.5) |
| 40  |                 | 8870<br>(28)    | 11770<br>□28□   | 8150<br>(46.5)  | 13150<br>□46.5□ | 11000<br>(61.5) | 14140<br>□61.5□ | 12450<br>(68.5) | 15030<br>□68.5□ | 13260<br>(70.5) | 14110<br>□70.5□ | 13620<br>(72.5) |
| 45  |                 |                 |                 | 5470<br>(40)    | 10320<br>□40□   | 8230<br>(57.5)  | 11280<br>□57.5□ | 9630<br>(65.5)  | 12140<br>□65.5□ | 10410<br>(68.5) | 11250<br>□68.5□ | 10760<br>(70.5) |
| 50  |                 |                 |                 | 3400<br>(32)    | 8140<br>□32□    | 6080<br>(54)    | 9070<br>□54□    | 7450<br>(63)    | 9910<br>□63□    | 8210<br>(66)    | 9030<br>□66□    | 8550<br>(68.5)  |
| 55  |                 |                 |                 |                 |                 | 4330<br>(50)    | 7260<br>□50□    | 5670<br>(60.5)  | 8080<br>□60.5□  | 6410<br>(63.5)  | 7220<br>□63.5□  | 6740<br>(66)    |
| 60  |                 |                 |                 |                 |                 | 2880<br>(45.5)  | 5760<br>□45.5□  | 4190<br>(57.5)  | 6560<br>□57.5□  | 4920<br>(61)    | 5710<br>□61□    | 5250<br>(64)    |
| 65  |                 |                 |                 |                 |                 | 1690<br>(41)    | 4540<br>□41□    | 2990<br>□54.5□  | 5330<br>□54.5□  | 3710<br>(58.5)  | 4490<br>□58.5□  | 4030<br>(62)    |
| 70  |                 |                 |                 |                 |                 |                 | 3520<br>□35.5□  | 1990<br>(51.5)  | 4300<br>□51.5□  | 2700<br>(56)    | 3470<br>□56□    | 3010<br>(59.5)  |
| 75  |                 |                 |                 |                 |                 |                 |                 |                 | 3410<br>□48.5□  | 1820<br>(53.5)  | 2590<br>□53.5□  | 2130<br>(57.5)  |
| 80  |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 | 1810<br>□50.5□  | 1360<br>(55)    |
| 85  |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 | 1130<br>□47.5□  | 680<br>(52.5)   |
| 90  |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |
| Min degree  |                 |                 |                 |                 |                 | 35              | 20              | 46              | 40              | 48              | 45              | 52              |
| 0 deg   | 17390           | 6340            | 9150            | 700             | 5290            |                 |                 |                 |                 |                 |                 |                 |
| Part Line   | 12              | 9               | 9               | 9               | 9               | 6               | 6               | 5               | 5               | 5               | 5               | 3               |
| mode  | I,II            | I               | II              | I,II            |
| TELE1   | 0%              | 50%             | 0%              | 100%            | 0%              | 100%            | 0%              | 100%            | 0%              | 100%            | 50%             | 100%            |
| TELE2   | 0%              | 0%              | 17%             | 0%              | 33%             | 33%             | 66%             | 66%             | 100%            | 83%             | 100%            | 100%            |
| TELE3   | 0%              | 0%              | 17%             | 0%              | 33%             | 33%             | 66%             | 66%             | 100%            | 83%             | 100%            | 100%            |
| TELE4   | 0%              | 0%              | 17%             | 0%              | 33%             | 33%             | 66%             | 66%             | 100%            | 83%             | 100%            | 100%            |

**WARNING:** Do not elevate the retracted boom above 74°. The crane may tip over backwards.

Number in parentheses () is the Boom Angle in Degrees.

\* This rated load is with the boom at the maximum boom angle.

\* This chart is only a guide and should never be used to operate the crane!

## ON TIRES

## STATIONARY CAPACITIES - 360°

| Sany SRC885 Load Stationary, On Tires, 360°<br>Counterweight 19,840 lb (9000kg) |                 |                 |                |                 |
|---|-----------------|-----------------|----------------|-----------------|
| Radius  | 38.7            | 52.3            | 65.9           | 93.2            |
| Feet  | lb              | lb              | lb             | lb              |
| 15  | 27710<br>(59)   |                 |                |                 |
| 20  | 18710<br>(49)   | 17720<br>(61.5) | 16930<br>(68)  |                 |
| 25  | 12860<br>(37.5) | 11920<br>(55)   | 11160<br>(63)  | 11150<br>(71.5) |
| 30  | 8380<br>(19)    | 7580<br>(47.5)  | 6870<br>(58)   | 9580<br>(68)    |
| 35  |                 | 4620<br>(39)    | 3930<br>(52.5) | 6530<br>(65)    |
| 40  |                 |                 |                | 4230<br>(61.5)  |
| 45  |                 |                 |                | 2610<br>(57.5)  |
| Min Boom Angle  | 0°              | 36°             | 48°            | 55°             |
| Part Line   | 6               | 4               | 4              | 4               |

Number in parentheses () is the Boom Angle in Degrees.

\* This rated load is with the boom at the maximum boom angle.

## Lifting Capacities at 0° Boom Angle

| Boom Angle | Main Boom Length in Feet |  |  |  |
|------------|--------------------------|--|--|--|
|            | 38.7                     |  |  |  |
| 0°         | 3430<br>(31.1)           |  |  |  |

Number in parentheses () is the Radius in Feet.

**WARNING:** Do not elevate the retracted boom over the side above 74° with the 19,840 lb (9000kg) counterweight installed or 47° with the 28,660 lb (13000kg) counterweight installed. The crane may tip over backwards.

## NOTES TO ALL ON TIRE CAPACITY CHARTS:

1. Capacities are in pounds and do not exceed 75% of tipping loads as tested in accordance with SAE J765.
2. Capacities are applicable to machines equipped with 29.5-25 38PR at 83 psi cold inflation pressure.
3. Capacities appearing above the bold line are based on structural strength and tipping should not be relied upon as a capacity limitation.
4. Capacities are applicable only with machine on firm level surface.
5. On tire lifting with the boom extensions is not permitted.
6. For pick and carry operation, boom must be centered over the front of the machine with the swing lock engaged and the load restrained from swinging. When handling loads in the structural range with capacities close to maximum ratings, travel should be reduced to creep speeds. Especially avoid any abrupt steering, accelerating or braking.
7. Axle lockouts must be functioning when lifting on tires.
8. All lifting depends on proper tire inflation, capacity and condition. Capacities must be reduced for lower tire inflation pressures. See lifting capacity information for tire used. Damaged tires are hazardous to safe operation of crane.
9. Capacities are applicable to machines equipped with Standard Counterweight 19,840 lb (9000kg). Don't swing the superstructure on tires with Optional Counterweight 28,660 lb (13000kg).
10. When making lift on rubber stationary, set parking brake.

\* This chart is only a guide and should never be used to operate the crane!

**STATIONARY OVER FRONT**

| Sany SRC885 Stationary Over Front On Tires<br>Counterweight 19,840 lb (9000kg) |                 |                 |                 |                 |
|--|-----------------|-----------------|-----------------|-----------------|
| Radius   | 38.7            | 52.3            | 65.9            | 93.2            |
| Feet   | lb              | lb              | lb              | lb              |
| 12   | 52000<br>(64)   | 50000<br>(71.5) |                 |                 |
| 15   | 44000<br>(59)   | 43500<br>(68)   |                 |                 |
| 20   | 36850<br>(49)   | 32000<br>(61.5) | 35000<br>(68)   |                 |
| 25   | 27000<br>(37.5) | 25500<br>(55)   | 27300<br>(63)   | 22500<br>(71.5) |
| 30   | 20000<br>(19)   | 19200<br>(47.5) | 21200<br>(58)   | 22500<br>(68)   |
| 35   |                 | 16200<br>(39)   | 15400<br>(52.5) | 18350<br>(65)   |
| 40   |                 | 11900<br>(28)   | 11370<br>(46.5) | 14120<br>(61.5) |
| 45   |                 |                 | 8370<br>(40)    | 11020<br>(57.5) |
| 50   |                 |                 | 6080<br>(32)    | 8640<br>(54)    |
| 55   |                 |                 |                 | 6710<br>(50)    |
| 60   |                 |                 |                 | 5400<br>(45.5)  |
| Min Boom Angle   | 0°              | 0°              | 26°             | 37°             |
| Part Line  | 6               | 6               | 4               | 4               |

Number in parentheses ( ) is the Boom Angle in Degrees.

\* This rated load is with the boom at the maximum boom angle.

See notes on **STATIONARY CAPACITIES - 360°** for operating instructions.

**Lifting Capacities at 0° Boom Angle**

| Boom Angle | Main Boom Length in Feet |                |  |  |
|------------|--------------------------|----------------|--|--|
|            | 38.7                     | 52.3           |  |  |
| 0°         | 12370<br>(31.1)          | 4820<br>(43.9) |  |  |

Number in parentheses () is the Radius in Feet.

\* This chart is only a guide and should never be used to operate the crane!

**PICK & CARRY CAPACITIES (UP TO 2.5 MPH) -BOOM CENTERED OVER**

| Sany SRC885 Pick & Carry<br>Counterweight 19,840 lb (9000kg) |                 |                 |                 |                 |
|--|-----------------|-----------------|-----------------|-----------------|
| Radius   | 38.7            | 52.3            | 65.9            | 93.2            |
| Feet   | lb              | lb              | lb              | lb              |
| 12   | 42000<br>(64)   | 41000<br>(71.5) |                 |                 |
| 15   | 42000<br>(59)   | 41000<br>(68)   |                 |                 |
| 20   | 31480<br>(49)   | 30620<br>(61.5) | 22000<br>(68)   |                 |
| 25   | 24340<br>(37.5) | 23480<br>(55)   | 20000<br>(63)   | 19000<br>(71.5) |
| 30   | 18950<br>(19)   | 18180<br>(47.5) | 17490<br>(58)   | 17500<br>(68)   |
| 35   |                 | 14230<br>(39)   | 13540<br>(52.5) | 16160<br>(65)   |
| 40   |                 | 11040<br>(28)   | 10430<br>(46.5) | 13040<br>(61.5) |
| 45   |                 |                 | 7940<br>(40)    | 10540<br>(57.5) |
| 50   |                 |                 | 5900<br>(32)    | 8500<br>(54)    |
| 55   |                 |                 |                 | 6700<br>(50)    |
| 60   |                 |                 |                 | 5120<br>(45.5)  |
| Min Boom Angle   | 0°              | 0°              | 22°             | 37°             |
| Part Line  | 6               | 6               | 4               | 4               |

Number in parentheses () is the Boom Angle in Degrees.

\* This rated load is with the boom at the maximum boom angle.

See notes on **STATIONARY CAPACITIES - 360°** for operating instructions.**Lifting Capacities at 0° Boom Angle**

| Boom Angle | Main Boom Length in Feet |                |  |  |
|------------|--------------------------|----------------|--|--|
|            | 38.7                     | 52.3           |  |  |
| 0°         | 10780<br>(31.1)          | 3900<br>(43.9) |  |  |

Number in parentheses () is the Radius in Feet.

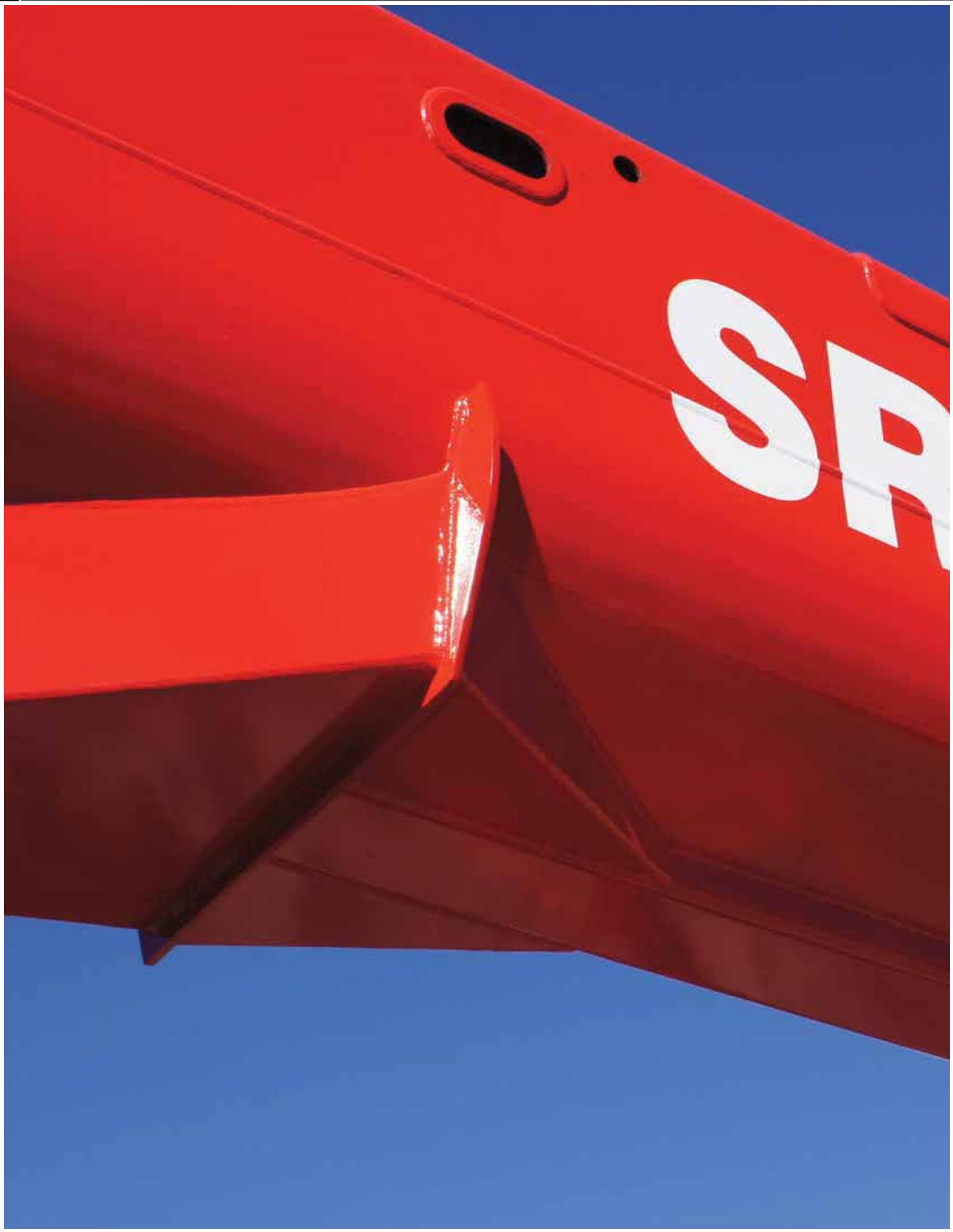
**TIRE INFLATION INFORMATION**

| Tire size and ply rating | Inflation Pressure PSI |        |
|--------------------------|------------------------|--------|
|                          | Static                 | Travel |
| 29.5-25 38PR             | 83                     | 83     |

\* This chart is only a guide and should never be used to operate the crane!



**RELIABLE** CRANE SERVICE





**RELIABLE** CRANE SERVICE





318 Cooper Circle  
Peachtree City, GA 30269  
Tel: 678-251-2810  
Fax: 770-632-7820

© SANY America, Inc. All Rights Reserved. SANY America reserves the right to change equipment designs and specifications at any time.

[www.sanyamerica.com](http://www.sanyamerica.com)