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# رکاز الجودة للمقاولات العامة Rakaz Al Joudah General Contracting

C.R. No: 2050175808

VAT NO: 301143888700003

7279 Al Khobar Al Janubiyah

5207 Al khobar 34622

Saudi Arabia

السجل التجاري: ٢٠٥٠١٧٥٨٠٨

الرقم الضريبي: ٣٠١١٤٣٨٨٨٧٠٠٠٣

٧٢٧٩ الخبر جنوبية

٥٢٠٧ الخبر ٣٤٦٢٢

المملكة العربية السعودية

## Datasheet

### Rental SANY STC1000S Truck Crane

Brand: SANY



#### Short Description

**100 t truck crane with long reach, fast setup, and precise control—built for heavy lifts on tight schedules.**

- 6-section telescopic boom: 12.26–56 m; up to 77.5 m with jib
- All-axle steering and auto-leveling outriggers for stable, quick positioning
- SYMC control with load-moment limiter and CAN-bus diagnostics
- Max travel speed up to 80 km/h; gradeability up to 40%
- Ideal for infrastructure, industrial plants, and heavy construction



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## Full Description

### SANY STC1000S Truck Crane — 100 t Class

The STC1000S is a high-capacity, roadable truck crane engineered for fast setup, precise handling, and dependable performance on complex jobsites. A 6-section telescopic boom delivers strong charts across the working range, while all-axle steering and auto-leveling outriggers shorten time to lift.

#### Key Highlights

- **Max lifting capacity:** 100 t
- **Telescopic boom:** 12.26–56 m; up to 77.5 m with jib
- **Control & safety:** SYMC control, load-moment limiter, CAN-bus diagnostics
- **Mobility:** up to 80 km/h road speed, 40% gradeability
- **Outriggers:** auto-leveling; max span approx. 7.8 m × 7.91 m

#### Performance & Working Range

- High lifting torque on basic and fully extended boom for confident picks at radius
- 0°, 15°, 30° jib offsets expand duty at height and over obstacles
- Fast winch line speeds and smooth slewing for efficient cycle times

#### Mobility & Setup

- All-axle steering for tight sites and improved maneuverability
- Dual-circuit hydraulic steering and leaf-spring suspension across axles
- Auto-leveling outriggers and clear outrigger controls reduce setup time

#### Powertrain

- Diesel engine (inline-6, water-cooled, turbocharged, inter-cooled)
- Rated power about 275 kW @ 2100 rpm; rated torque about 1550 N·m
- Manual transmission with wide ratio spread for road and site use

#### Operator Systems & Safety

- SYMC controller with CAN-bus diagnostics and load-moment limiter
- Height and over-roll-out limiters, hydraulic locks, and anemometer support safe lifting
- Ergonomic cab layout for precise boom, winch, and slewing control

#### Dimensions & Transport

- Overall length approx. 14,050 mm; width approx. 2,800 mm; height approx. 4,000 mm
- Axle load distribution designed for compliant road travel
- Tyres: 8 × 385/95R25

#### Typical Applications

- Infrastructure erection and bridge works
- Industrial plant installation and maintenance
- Heavy construction, precast handling, and logistics yards

#### Notes

Specifications and features may vary by configuration and market. Charts and transport weights should be verified against the current official datasheet and local regulations before planning lifts or road movements.



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المملكة العربية السعودية

## Technical Specifications

### Rental SANY STC1000S Truck Crane

Specification	Value
Manufacturer	SANY
Model number	STC1000S
Max lifting capacity	100 t
Overall length	&quot;14
Overall width	&quot;2
Overall height	&quot;4
Axle distance (Axle 1-2)	&quot;2
Axle distance (Axle 2-3)	&quot;3
Axle distance (Axle 3-4)	&quot;1
Wheel distance (Axle 1-2)	&quot;2
Wheel distance (Axle 3-4)	&quot;2
Overall weight	&quot;46
&quot;Axle load (front)	(حمل المحور الأمامي (١-٢)
&quot;Axle load (rear)	(حمل المحور الخلفي (٢-٤)
Engine model	ISLe375 30
Engine type	&quot;Inline 6
Rated power	275 kW @ 2100 rpm
Rated torque	1550 N·m @ 1100-1400 rpm
Emission standard	GB III
Fuel tank capacity	450 L
Transmission	&quot;Manual
Drive/Steer	&quot;Axles 3-4 drive
Max travelling speed	80 km/h
Min stable travelling speed	1.89 km/h
Min turning radius	10.5 m
Braking distance (at 30 km/h)	≤10 m
Approach angle	21°
Departure angle	19°
Max gradeability	40%
Fuel consumption (per 100 km)	≤50 L
Max rated lifting capacity	100 t
Min working radius	3 m



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المملكة العربية السعودية

Specification	Value
Max lifting torque (basic boom)	3300 kN·m
Max lifting torque (fully extended boom)	1824 kN·m
Outrigger span (max)	7.8 m × 7.91 m
Outriggers type	&quot;Front swing
Telescopic boom sections	6
Boom length (basic)	12.26 m
Boom length (fully extended)	56 m
Lifting height (basic boom)	12.26 m
Lifting height (fully extended boom)	56 m
Max lifting height with jib	77.5 m (71.5 m noted)
Jib length	15.5 m (optional 6 m ext.)
Jib offset angles	&quot;0°
&quot;Max single □ rope speed (main winch)	(أقصى سرعة حبل مفرد) وونش رئيسي بدون حمل
Boom lift/lower time	60 s / 80 s
Boom extend/retract time	480 s / 500 s
Slewing speed	0–1.6 r/min
Horizontal outrigger extend/retract	25 s / 15 s
Vertical outrigger raise/lower	40 s / 35 s
Tyres	8 × 385/95R25
Counterweight options	&quot;0 t
Counterweight swing radius	&quot;4
Traveling with 8.5 t CW	Short distance allowed with conditions
Steering system	Dual □ circuit hydraulic power steering
Suspension system	Leaf springs on all axles
Electrical system	&quot;2 × 12 V batteries
Control system	&quot;SYMC controller
Outrigger control	Electrically controlled with auto leveling
Safety systems	&quot;Over □ roll out limiters
Manufacturer	SANY
Model number	STC1000S
Max lifting capacity	100 t
Overall length	&quot;14
Overall width	&quot;2
Overall height	&quot;4
Axle distance (Axle 1–2)	&quot;2



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المملكة العربية السعودية

Specification	Value
Axle distance (Axle 2-3)	&quot;3
Axle distance (Axle 3-4)	&quot;1
Wheel distance (Axle 1-2)	&quot;2
Wheel distance (Axle 3-4)	&quot;2
Overall weight	&quot;46
&quot;Axle load (front)	حامل المحور الأمامي (٢-١)
&quot;Axle load (rear)	حامل المحور الخلفي (٣-٤)
Engine model	ISLe375 30
Engine type	&quot;Inline 6
Rated power	275 kW @ 2100 rpm
Rated torque	1550 N·m @ 1100-1400 rpm
Emission standard	GB III
Fuel tank capacity	450 L
Transmission	&quot;Manual
Drive/Steer	&quot;Axles 3-4 drive
Max travelling speed	80 km/h
Min stable travelling speed	1.89 km/h
Min turning radius	10.5 m
Min ground clearance	320 mm
Approach angle	21°
Departure angle	19°
Braking distance (at 30 km/h)	≤10 m
Max gradeability	40%
Fuel consumption (per 100 km)	≤50 L
Max rated lifting capacity	100 t
Min working radius	3 m
Max lifting torque (basic boom)	3300 kN·m
Max lifting torque (fully extended boom)	1824 kN·m
Outrigger span (max)	7.8 m × 7.91 m
Lifting height (basic boom)	12.26 m
Telescopic boom sections	6
Boom length (basic)	12.26 m
Boom length (fully extended)	56 m
Lifting height (fully extended boom)	56 m
Max lifting height with jib	77.5 m (71.5 m noted)
Jib length	15.5 m (optional 6 m ext.)



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المملكة العربية السعودية

Specification	Value
Jib offset angles	&amp;amp;amp;amp;amp;quot;0°
&amp;amp;amp;amp;amp;quot;Max single rope speed (main winch)	(أقصى سرعة حبل مفرد (ونش رئيسي بدون حمل)
&amp;amp;amp;amp;amp;quot;Max single rope speed (aux winch)	(أقصى سرعة حبل مفرد (ونش مساعد بدون حمل)
Boom extend/retract time	480 s / 500 s
Boom lift/lower time	60 s / 80 s
Slewing speed	0–1.6 r/min
Horizontal outrigger extend/retract	25 s / 15 s
Vertical outrigger raise/lower	40 s / 35 s
Tyres	8 × 385/95R25
Counterweight options	&amp;amp;amp;amp;amp;quot;0 t
Counterweight swing radius	&amp;amp;amp;amp;amp;quot;4
Traveling with 8.5 t CW	Short distance allowed with conditions
Steering system	Dual circuit hydraulic power steering
Suspension system	Leaf springs on all axles
Electrical system	&amp;amp;amp;amp;amp;quot;2 × 12 V batteries
Control system	&amp;amp;amp;amp;amp;quot;SYMC controller
Outrigger control	Electrically controlled with auto leveling
Safety systems	&amp;amp;amp;amp;amp;quot;Over roll out limiters