



Serving ports and intermodal logistics of african region: SANY machinery

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Group Profile

Sany Products

No.1 in china ,No.5 in the world



25 Categories

120 Series

Concrete Machinery Road Machinery Excavating Machinery Pile Machinery Hoisting Machinery Port Machinery



Domestic Layout



Excavating Machinery



Rotary drilling rig,
Diaphragm Wall Grab



Roadheader
Coal-Mining Machinery



Hydraulic Crawler Crane

- Products:
- Concrete Pump Truck
 - Stationary Pump
 - Line Pump
 - Motor Grader
 - Asphalt Paver
 - Asphalt Batching Plant
 - Reachstacker
 - Empty Container Handler
 - Rubber Tyre Gantry Crane
 - Rail Mounted Gantry Crane
 - Heavy Duty Forklift



Truck Crane
Mobile Crane



Rubber Tyre Gantry Crane
Rail Mounted Gantry Crane
Ship to Shore Crane
JIB Crane
Mobile Harbour Crane

Port BU



- ① SANY Heavy Marine Industry— A subsidiary company of SANY Port Machinery focusing on the manufacturing heavy-duty products.
- ① Our Present Production Line — Reachstacker, Empty Container handler, Heavy Forklift, STS, RTG , RMG, and Jib Cranes.
- ① Our Future Product Range — Marine Products, including Dredge Boat, Floating Crane, Oil Rigs, Transportation Vessels.



True Global Manufacturer

\$413,000,000
Invested Globally



SANY Germany

€100 Million Invested

SANY Global HQ
Changsha



SANY India



\$70 Million Invested

SANY America



\$60 million Invested

SANY Brazil



\$200 Million Invested

Leadership

Liang Wengen – Chairman and Founder



A handwritten signature of Liang Wengen in black ink, written in a cursive style.

Liang Wengen

Chairman of Sany Group, elected representative to the eighth, ninth and tenth National People's Congress

Chairman and main shareholder of the Sany Group, founded in Hunan Province in 1989 as a small welding materials factory.

Today, Liang ranks as China's richest person with wealth of \$8 billion. He is one of four board members from the group.

Ranked 2nd on The Wall Street Journal's of Asia's Most Influential Business Leaders.

"Best Employer of University Graduates" for Third Time ChinaHR.com, a major job-searching portal in China, released its 8th annual list of Chinese university graduates' best employers in September 2010.



Port machine Introduction

TOP 25 Ports(2012)

Rank	Port	Country	TEU
1	Shanghai	China	29,069,000
2	Singapore	Singapore	28,430,800
3	Hong Kong	China	23,532,000
4	Shenzhen	China	22,509,700
5	Busan	South Korea	14,157,291
6	Ningbo	China	13,144,000
7	Guangzhou	China	12,550,000
8	Qingdao	China	12,012,000
9	Dubai	UAE	11,600,000
10	Rotterdam	Netherlands	11,145,804
11	Tianjin	China	10,080,000
12	Kaohsiung	Taiwan	8,871,745
13	Klang	Malaysia	8,870,000
14	Antwerp	Belgium	8,468,475
15	Hamburg	Germany	7,900,000
16	Los Angeles	USA	7,831,902
17	Tanjung Pelepas	Malaysia	6,530,000
18	Long Beach	USA	6,263,499
19	Xiamen	China	5,820,000
20	New York	USA	5,292,020
21	Dalian	China	5,242,000
22	Chabang	Thailand	5,068,076
23	Bremerhaven	Germany	4,871,297
24	Tanjung Priok	Indonesia	4,714,857
25	Tokyo	Japan	4,286,215

2013

55% RS marketing share in china



SANY PM

SANY port machines

the only china supplier

For full-line port operation solution



Reachstacker

*2013 new
SRC45-H8*

Technical Parameters and Performance

Maximum Loading	45000Kg
Maximum Hoisting Height	15100mm
Angle of Inclination	0°~ 60°
Spreader – Angle of Rotation Swing Distance	+105/-195 ° ±800mm
Climb Ability (Full/No Load)	32%/39%
Whole Weight	71000Kg



reachstacker

Advanced Hydraulic Loading Sensor



Dynamic Mobile Cab



Key Components Highlights

Adjustable Counterweight



Separate Mechanical and Electrical Roll-Over Protection System



reachstacker



Power Transmission System

Engine

Volvo or
Cummins

Gear Box

Dana Clark

Drive Axle

Kessler

Power Transmission System

- ✓ Top international brands
- ✓ Power match design
- ✓ Build-in pipeline (patent)
- ✓ Power and speed meet all working conditions

reachstacker

CumminsQSM11

Power250Kw.

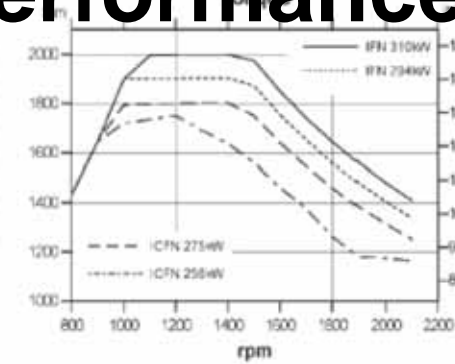
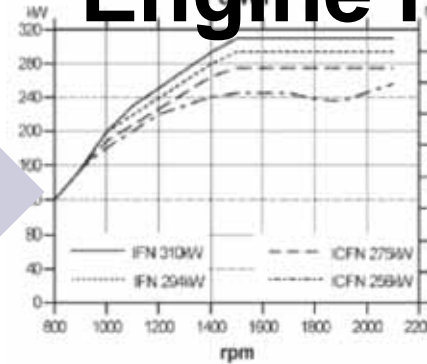
In-line 6 cylinder, 4 strokes, turbocharger, central water cooled, fully electrical fuel injection.

Average oil consumption: 227 g/kwh .

Euro stage II or III emission standard



Engine Performance



VOLVO TWD 1240/TAD952VE0

Power: 256/250Kw.

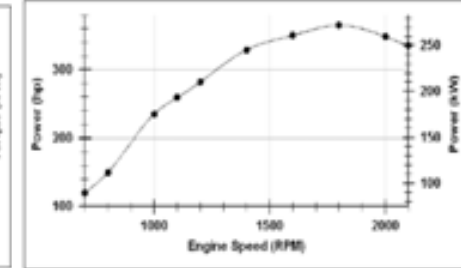
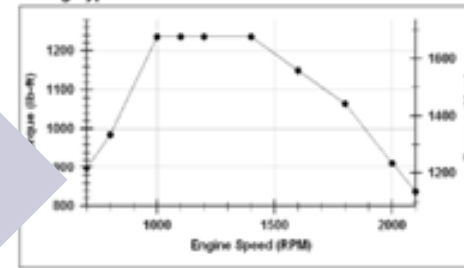
In-line 6 cylinder, 4 strokes, turbocharger, central water cooled, fully electrical fuel injection.

Average oil consumption: 197/237 g/kwh .

Euro stage II or III emission standard



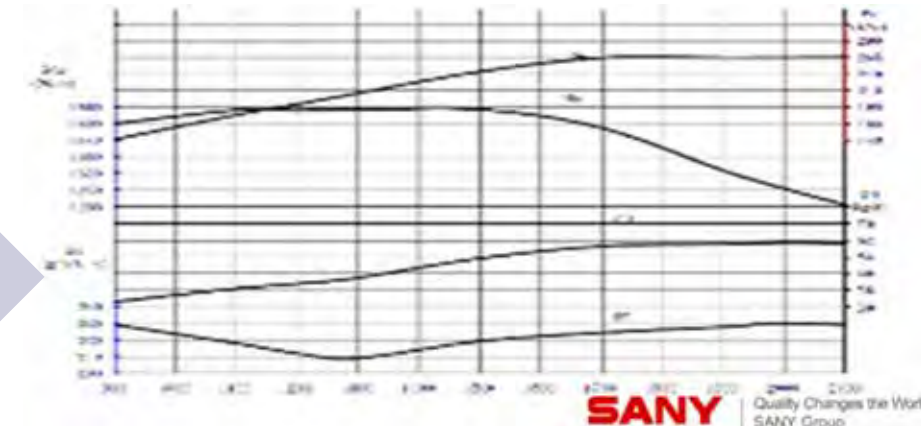
Rating Type: Intermittent



Chinese brand YUZHAIYC6M360-30

Power: 266Kw.

In-line 6 cylinder 、 four-valve、 turbocharger, central air cooled, displacement : 9.839 L



reachstacker

Drive Axle



- 🚧 **Kessler D102 PL341/528 (Germany)**
- 🚧 Welded axle body , good rigidity, high intensity.
- 🚧 Transmission type : Main reducer+ Differential+ Hub reducer
- 🚧 Wet disc service brake, maintenance free
- 🚧 Central caliper parking brake

Meritor (Rockwell) PRC7534 W4H (USA)




- 🚧 cast axle body , good rigidity, high intensity.
- 🚧 Transmission type: Main reducer+ Differential+ Hub reducer
- 🚧 Wet disc service brake, maintenance free
- 🚧 Central caliper parking brake

reachstacker

Redesigned Spreader



Spreader Improvements

-  New telescopic function with
new telescopic mast and
new telescopic mast
-  New drag chain, new
new chain for extending
telescopic function
-  Lighter Weight – Shed 2 tonnes
with changes to oil cylinders

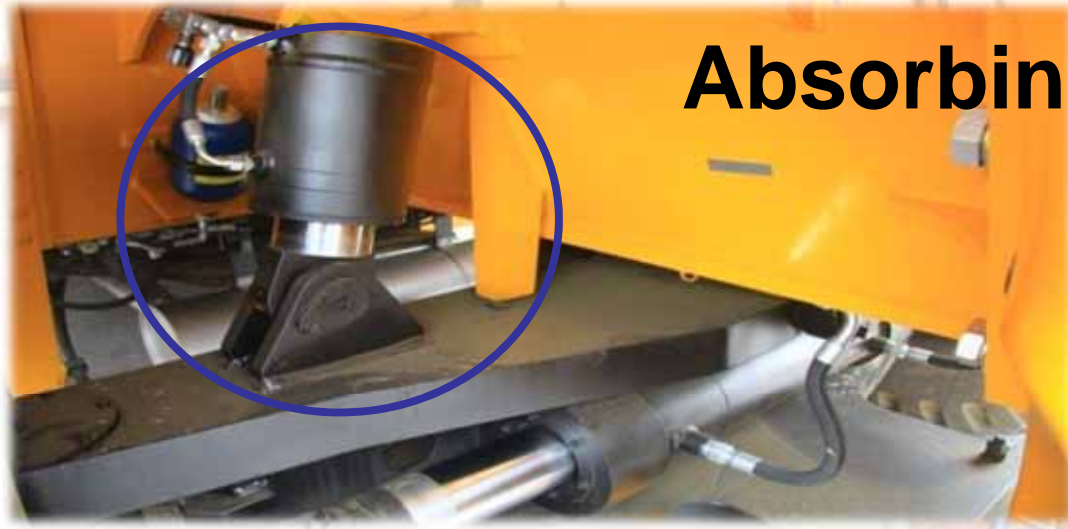
New Mechanical Chain



Former Electrical Component



Reacher stacker

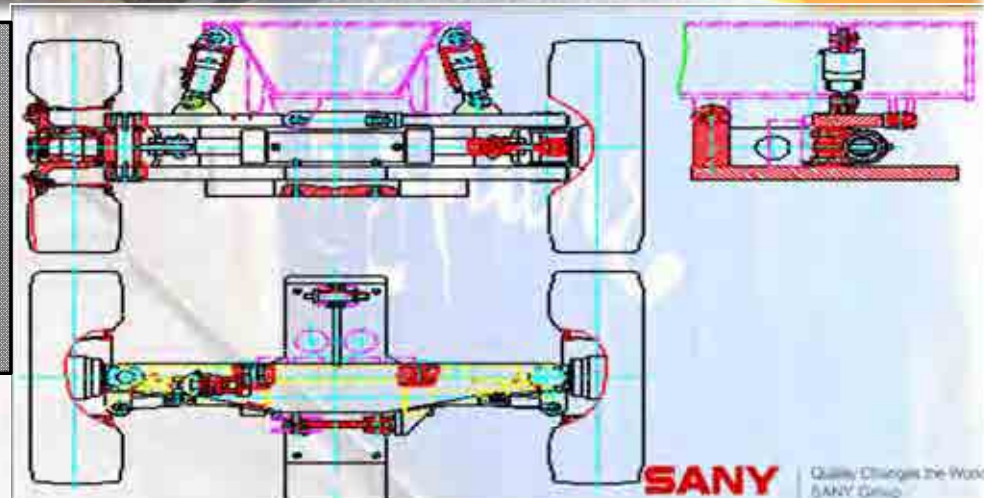


Oleo-Pneumatic Shock

Absorbing Suspension Technology



In order to reduce impact force of steering axle towards car frame, an oleo-pneumatic shock absorbing device is mounted to connect the axle and car frame.



Muliti-fuction



Tilt Stacker	
Rated Load	40t
Dead Weight	80t
Tilt Angle	60 ⁰

Steel Tube Stacker	
Rated Load	45t
Dead Weight	80t
Very versatile in any construction case or project	

Intermodal Stacker	
Rated Load	45t
Dead Weight	75t
Over Reach Length	7m

Log Stacker	
Rated Load	40t
Dead Weight	75t
Max Height	18m

Empty Container Handler



Technical parameters and performance

Maximum loading	9000Kg
Hoisting Layers	6,7,8
Spreader	
Swing Distance	±600mm
Angle of Swing	2/4 °
Running Speed	0~28Km/h
Climb ability (full/none load) %	30%/22%
Minimum turning radius	6000mm
Whole weight	39000Kg

Heavy Duty Forklift Truck

Technical Parameters and Performance

Overall Weight	56000 Kg
Rated Capacity	46000 Kg
Rated Power	256kw/2100rpm
Rated Torque	1735Nm/1200rpm
Gradeability	Full Load 30% No Load 30%
Shift Distance	1250-2850mm



Container sideload Truck



吊臂收拢



吊臂伸出

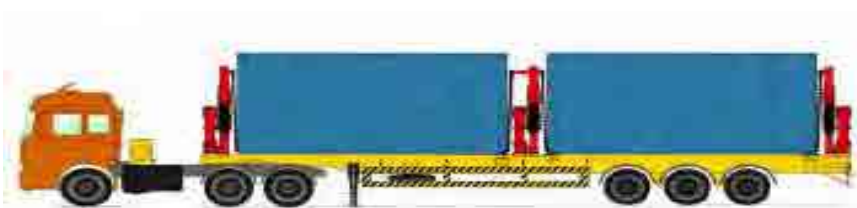


吊臂侧吊



吊臂侧吊移动

Container sideload Truck



SY9400TZX 3501



SY9401TZX 3502



SY9401TZX 3502/3503/3504

40 ‘



SY9402TZX 3505

20 ‘

Harbor Wheel Crane

Technical Parameters and Performance	
Rated Power	174kw/2300rpm
Rated Torque	854Nm/1400rpm
Overall Weight	32800Kg (9m Boom)
Max Lifting Capacity	35000Kg
Working Range	3.5-24m
Cable Hoist Speed	0-115m/min
Max Slew Speed	90m/min



Rail Mounted Gantry Crane



Technical Parameters and Performance

Lifting Capacity		55 t
Maximum lifting capacity under spreader		40 t
Maximum Lifting	Over Rail Surface	15.3
Height Under Hook (m)	Under Rail Surface	13.5
Overhanging	Front Reach	13.1
Boom (m)	Rear Reach	12.5
Span		30
Cardinal Distance x Wheel Base (m x m)		16 x 2.8
Stacking Mode of Container	Vertical	1 over 5
	Horizontal	11 + 1

Rubber Tyre Gantry Crane



Technical Parameters and Performance

Rated Lifting Capacity	41t, 50t, 61t, 65t
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Span	23.47m, 26.4m
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Lifting Speed	Full Load	20-30m/min
	No Load	46-52m/min

Cart Travel Speed	Full Load	30m/min
	No Load	130m/min

Spreader Translation	+/- 250mm
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Ship to Shore Crane



Technical Parameters and Performance

Rated Lifting Capacity		30-80t
Outreach		20-70m
Backreach		8-18m
Rail Span		16-42m
Main Hoisting Height	Above the Rail	25-50m
	Below the Rail	10-25m
Main Hoisting Speed	With Load	40-90m/min
	Without Load	70-150m/min
Trolley Travelling Speed		120/300m/min
Boom Hoist	Single Way	5-8 mins

Ship to Shore Crane

SANY STS working in the biggest port of hong kong
Hutchison Whampoa



New SANY STS delivery to HW port (March-2014)



SANY in Nigeria

Global Network



SANY in Nigeria



*Abuja to Kaduna road project, Abuja
working by CCECC*



*Dangote
Lokoja*

2005-2014

*More than 600 units SANY
machines*

working in Nigeria




*batching plant in Abuja
working by CEEZALI*




*Eko hotel project, Lagos
working by Rah filing company*

Nigeria Service Commitment



 SANY Service engineers from both China and Nigeria with rich experience.

 SANY global GCP & CSM system is start to serve

 70% parts supplied from SANY nigeria warehouse





SANY Nigeria LTd , we are here.
In the coming 10 years
We will work more hard to contribute Nigeria port development





SANY

Thank You

Quality Changes The World

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