



## SANY TRUCK-MOUNTED CONCRETE PUMP



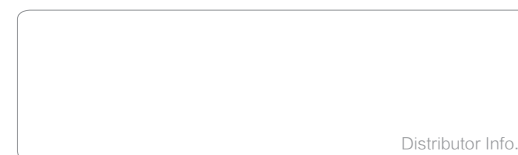
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Distributor Info.

Due to our process of continuous innovation, materials and specifications are subject to change without notice.

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# C8

## TRUCK-MOUNTED CONCRETE PUMP

KING OF THE PUMP WORLD

QUALITY CHANGES  
THE WORLD



# 8 KEY TECHNOLOGIES

**04** Anti Overswing  
Technology

**05** Longer Life Time  
Wearing Parts

**03** Energy-saving  
Technology

**06** Self-diagnosis Technology

**02** Boom Anti-Vibration  
Technology

**07** Smart Boom System

**01** One-button Technology

**08** Safety Protection Technology



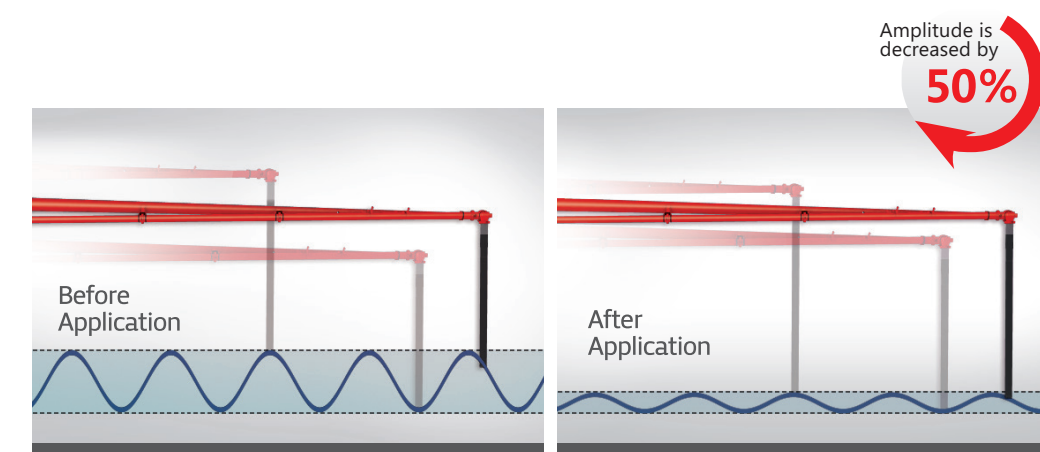
# One-button Technology 01

One-button fixed boom position function quickly dampens any boom movement resulting from repositioning the boom. This allows precise positioning of the end hose.



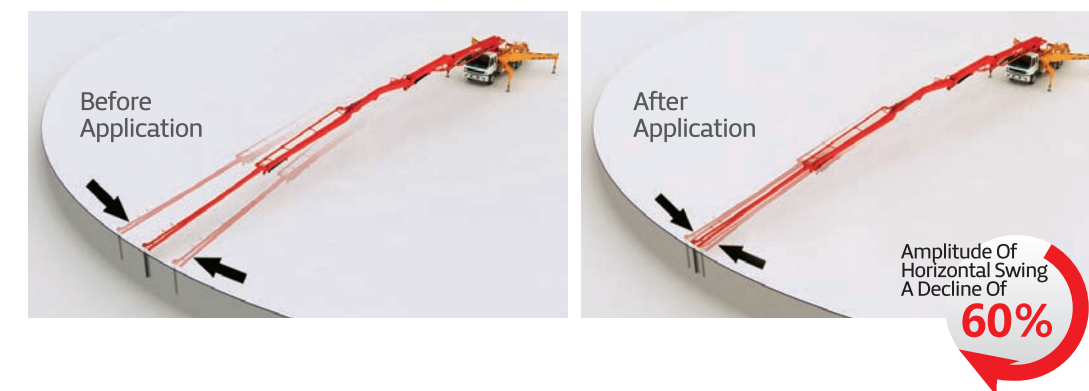
# 02 Boom Anti-Vibration Technology

The boom anti vibration technology reduces vibration during pumping by 50% allowing less movement and greater control of the end hose.



# 04 Anti Overswing Technology

To use top rotation brake technology to control the amplitude of Boom on swing, the boom's overswing amplitude is reduced by 60%.



Efficiency, an Increase Of 25%



Energy Consumption A Decline Of 10%

# 03 Energy-saving Technology

When system pressure reaches 12Mpa:No. of stroke reaches 29t/Min. Pump efficiency increases 25%(Max). Diesel consumption decreases 10%.



# 05 Longer life time wearing parts

The highly wear resistant parts improve efficiency and reduce down time.

## Delivery pipe

Straight tube, hinged elbow, and, large elbow, and small elbow all adopt the double-layer compound structure. Inner layer is extremely wear resistant, with service life hitting 50,000 m<sup>3</sup>.

## Discharge port / transition bushing

The discharge port and transition bushing are made with a double layer structure. The inner layer is made of a special steel that has a wear resistance 15 times greater than ordinary steel, giving it a service life of 60,000 to 80,000 cubic meters of concrete.

## Concrete piston

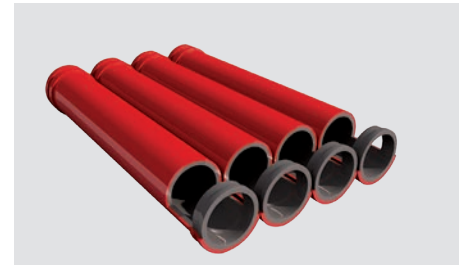
The German rubber piston technology has excellent abrasion performance and resistance to heavy stress and high temperatures. It has a long service life, allowing the piston to pump 25,000 to 30,000 cubic meters concrete without replacement.

## Wear plate/cutting ring

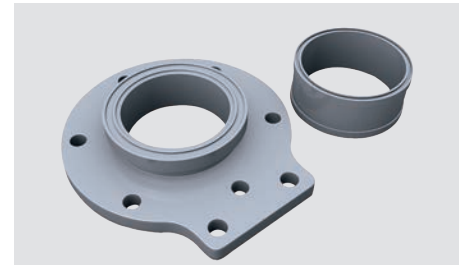
The world's first continuous gas shielded brazing technology, firmly adheres alloy to the substrate. Our patented dual ring split type alloy structure prevents the alloy from crumbling and leaking. The long service life of the wear plates enables them to pump 50,000 to 60,000 cubic meters concrete. The cutting ring can be used to pump 20,000 to 30,000 cubic meters concrete before replacement.

## Delivery cylinder

The inner layer is plated with chrome with thickness of above 0.3mm, and so its hardness exceeds HV900, with service life hitting 100,000 to 140,000 m<sup>3</sup>.



Delivery Pipe



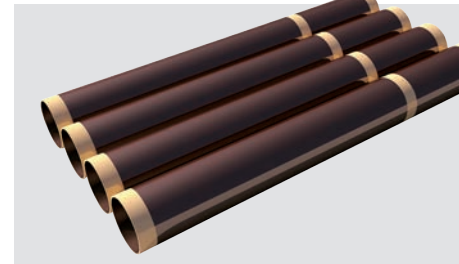
Discharge Port /Transition Bushing



Concrete Piston



Wear Plate /Cutting Ring



Delivery Cylinder

# 06 Self-diagnosis Technology

Continually monitors more than 200 aspects of the system during operation. Faults are displayed on the monitor. Review of the detected faults can reduce troubleshooting time by 70%.

## Fault diagnosis on functions/wires/sensors/fuses



# 07 Smart Boom System

Operator friendly technology simplifies operation of the Sany boom system.

## One Button Boom Extend/Retract

Press upward on the boom extend/retract button to extend the boom or press downward to retract the boom automatically.

## Operator Programmable Height Limit

A height limit can be programmed to prevent boom contact with an obstruction or overhead hazard.

## Coordinated Section Operation

The boom can be rapidly and accurately repositioned by coordinating the movement the first and second sections.



One Button Boom Extend/Retract



Operator Programmable Height Limit



Coordinated Section OperationLimit



# 08 Safety protection technology

Our C8 series truck mounted concrete pump exemplifies Sany's precise, rigorous manufacturing philosophy and uncompromising focus on safety.

## Overload protection for Boom cylinders

Relief valves are mounted on the boom cylinder counterbalance valves. These valves will release pressure in the event of excessive boom load to prevent the boom from damage.

## Agitator safety switch off

As an operator protection measure, the pump will automatically stop when the hopper screen is opened.

## Boom interference preventing technology

The oil level in the hydraulic reservoir is continually monitored. If the level drops below a preset level, an alarm will sound and the pump will be stopped to prevent the hydraulic system from damage.



# C8 IS PRODUCED BY THE OUR MOST ADVANCED SUPER FACTORY

## THE SANY SUPER FACTORY REDEFINES THE CONCEPT OF LEAN PRODUCTION

The automated production line boosts high quality assembly utilizing MES production management. A fully automated distribution and warehousing system enhances precision and efficiency. Robotic welding systems produce precise, uniform welds.

Every step in the manufacturing process has been refined and tuned in a bid to produce the highest quality products in the world.



- Automated Production Line
- Fully Automated Distribution And Warehousing System
- MES Production Management System
- Robotic








SANY TRUCK-MOUNTED CONCRETE PUMP  
QUALITY CHANGES THE WORLD



**LEAD THE ERA  
CONTROL THE FUTURE**



-  Sany's Industrial Parks
-  Putzmeister (International Headquarters of Sany Concrete Machinery)
-  Sany Sales & Service Offices in China
-  Sany Sales & Service Offices Overseas
-  Sant Global Coverage

Xinjiang Industrial Park: Sany Heavy Industry Northwest Co., Ltd.  
 Shenyang Industrial Park: Sany Heavy Equipment International Holdings Co., Ltd.  
 Beijing Industrial Park Zones: Sany Heavy Machinery Co., Ltd. / Sany Heavy Energy Machinery Co., Ltd.  
 Shanghai Industrial Park Zones: Sany Heavy Machinery Co., Ltd. / Shanghai Sany Precision Machinery Co., Ltd. / Sany Turbine Machinery Co., Ltd.  
 Sany Group Headquarters / Sany Heavy Industry Co., Ltd.  
 Zhuhai Industrial Park: Sany Marine Heavy Industry Co., Ltd.