SANY®

SANY TRUCK-MOUNTED CONCRETE PUMP

SANY®

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Distributor Info.

© Printed in China File No.: 59010962 Date: January 2016

C8

TRUCK-MOUNTED CONCRETE PUMP

LEAD THE ERA, CONTROL THE FUTURE

Only by constantly challenging yourself can you lead.
By cultivating a culture of leadership, Sany continually sets the standard for this industry.

8 CORE TECHNOLOGIES

01 One-button stabilization technology

02 Boom anti-vibration technology

03 Energy-saving technology

04 Anti Overswing Technology

05 Highly wear resistant parts

06 Fault self-diagnosis technology

07 Smart boom system

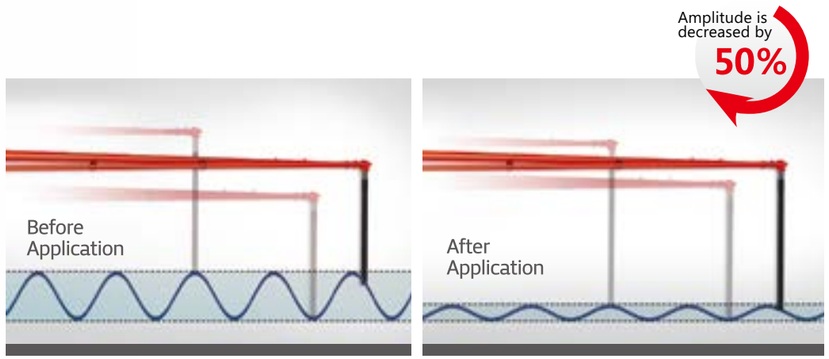
08 Safety Technology

01 ONE BUTTON STABILIZATION TECHNOLOGY

The one button stabilization technology quickly dampens any boom movement resulting from repositioning the boom. This allows precise positioning of the end hose.

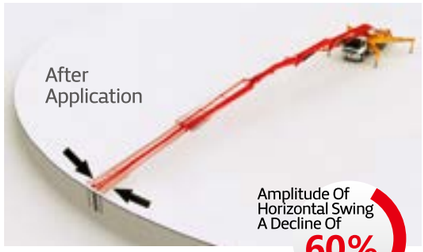
02 BOOM ANTI-VIBRATION TECHNOLOGY

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

By adopting our new swing brake technology, the boom's overswing amplitude is reduced by 60%



03 ENERGY-SAVING TECHNOLOGY

With cycle times of up to 29 per minute (at 12MPa), pump efficiency is increased up to 25% while fuel consumption is decreased by up to 10%.

05 HIGHLY WEAR RESISTANT 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^3.

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^3.

Delivery Pipe

Discharge Port /Transition Bushing

Concrete Piston

Wear Plate /Cutting Ring

Delivery Cylinder

06 FAULT SELF DIAGNOSTIC 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%.

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.

One Button Boom Extend/Retract

Operator Programmable Height Limit

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

Operator Programmable Height Limit

Coordinated Section Operation

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

Coordinated Section OperationLimit

08 SAFETY TECHNOLOGY

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

Boom overload protection technology

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

Hopper screen interlock technology

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

Hydraulic oil level monitoring

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 damage to the hydraulic system.

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.

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

Automated Production Line

Mes Production Management System

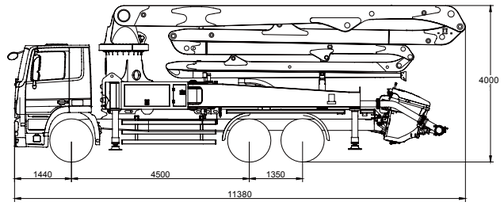
Fully automated Distribution And Warehousing System

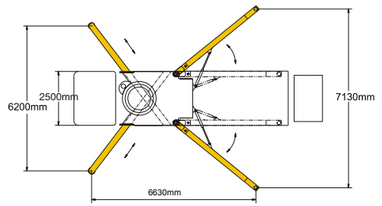
Robotic

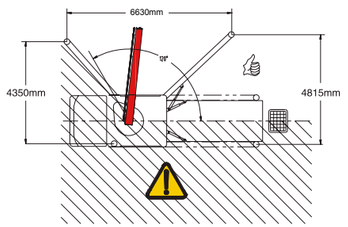
TECHNICAL SPECIFICATIONS

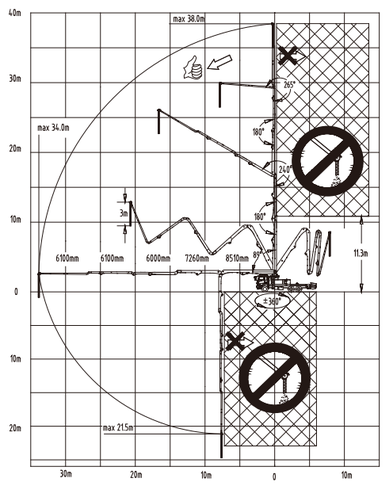
38m Concrete Pump Series

	Model		SYG5271THB 38	
			SY5295THB 380C-8	SYM5273THB DW 380C-8
Overall Specification	Length （mm）		11380	11420
	Width （mm）		2500	2500
	Height （mm）		3990	4000
	Empty Weight （kg）		27800	27800
Boom & Outrigger Specification	Vertical Reach （m）		38	38
	Horizontal Reach （m）		34	34
	Reach Depth （m）		21.5	21.5
	Unfolded Reach （m）		11.3	11.3
	1st Section	Length （mm）	8510	8510
		Articulation	89°	89°
	2nd Section	Length （mm）	7260	7260
		Articulation	180°	180°
	3rd Section	Length （mm）	6000	6000
		Articulation	240°	240°
	4th Section	Length （mm）	6100	6100
		Articulation	180°	180°
	5th Section	Length （mm）	6100	6100
			265°	265°
	Rotation		±360°	±360°
	Outrigger Spread L-R---front （mm）		6200	6200
	Outrigger Spread L-R---rear （mm）		7130	7130
Pumping Systerm Specification	Output	Low-pressure （m^3/h）	140	140
		High-pressure （m^3/h）	100	100
	Pressure	Low-pressure （Mpa）	8.3	8.3
		High-pressure （Mpa）	12	12
	Max. Strokes per Minute	Low-pressure （times/min）	23.5	23.5
		High-pressure （times/min）	16.5	16.5
	Delivery Cylinder Diameter (mm）		260	260
	Stroke Length (mm）		1900	1900
	Hydraulic System		Open	open
	Hydraulic System Pressure (Mpa）		32	32
	Hydraulic Tank Capacity (L）		640	640
	Water Tank Capacity （L）		600	600
	Pipe Size （mm）		125	125
	End Hose Length （m）		3	3
	End Hose Diameter （mm）		125	125
Chassis Specification	Chassis Model		BENZ Actros 3341	ISUZU CYZ52Q
	Engine Model		OM501LA. Ⅲ /17	6WG1G
	Engine Power		300/1800	294/1800
	Emissions		Tier Ⅲ	Tier Ⅳ
	Fuel Tank Capacity		400	400
	Displacement		11.946	15.68
	Max. Speed		80	80
	Brake Distance		≤10/30	≤10/30



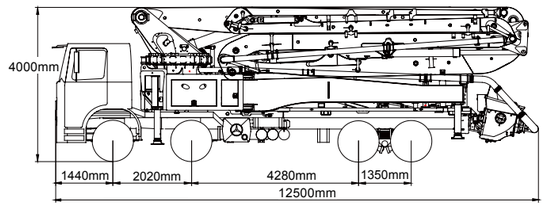


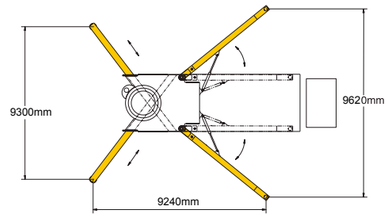


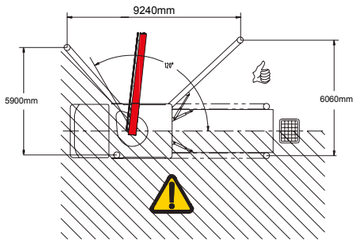


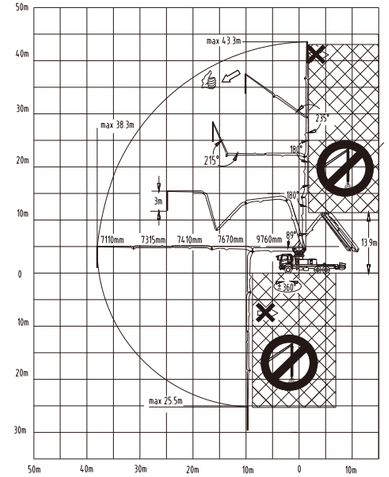
43m Concrete Pump Series

	Model		SYG5360THB 43
Overall Specification	Length (mm)		12500
	Width (mm)		2500
	Height (mm)		4000
	Empty Weight (kg)		36350
Boom & Outrigger Specification	Vertical Reach (m)		43.3
	Horizontal Reach (m)		38.3
	Reach Depth （m）		25.5
	Unfolded Reach （m）		13.9
	1st Section	Length （mm）	9760
		Articulation	89°
	2nd Section	Length （mm）	7670
		Articulation	180°
	3rd Section	Length （mm）	7410
		Articulation	180°
	4th Section	Length （mm）	7315
		Articulation	235°
	5th Section	Length （mm）	7110
		Articulation	215°
	Rotation		±360°
	Outrigger Spread L-R---Front （mm）		9300
	Outrigger Spread L-R---Rear （mm）		9620
Pumping Systerm Specification	Output	Low-pressure （m^3/h）	170
		High-pressure （m^3/h）	120
	Pressure	Low-pressure （Mpa）	8.3
		High-pressure （Mpa）	12
	Max. Strokes per Minute	Low-pressure （times/min）	29
		High-pressure （times/min）	19
	Delivery Cylinder Diameter (mm)		260
	Stroke Length (mm)		1900
	Hydraulic System		Open
	Hydraulic System Pressure (Mpa)		32
	Hydraulic Tank Capacity (L)		680
	Water Tank Capacity (L)		620
	Pipe Size (mm)		125
	End Hose Length (m)		3
	End Hose Diameter (mm)		125
Chassis Specification	Chassis Model		BENZ Actros 4141
	Engine Model		OM501LA. Ⅳ /3
	Engine Power (kW/rpm)		300/1800
	Emissions		Tier Ⅳ /Tier Ⅲ
	Fuel Tank Capacity (L)		400
	Displacement (L)		11.946
	Max. Speed (km/h)		80
	Brake Distance (m/km/h)		≤10/30



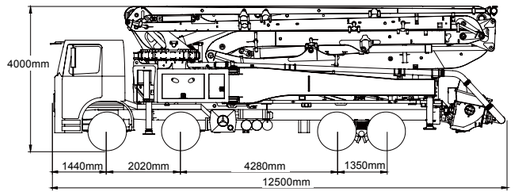


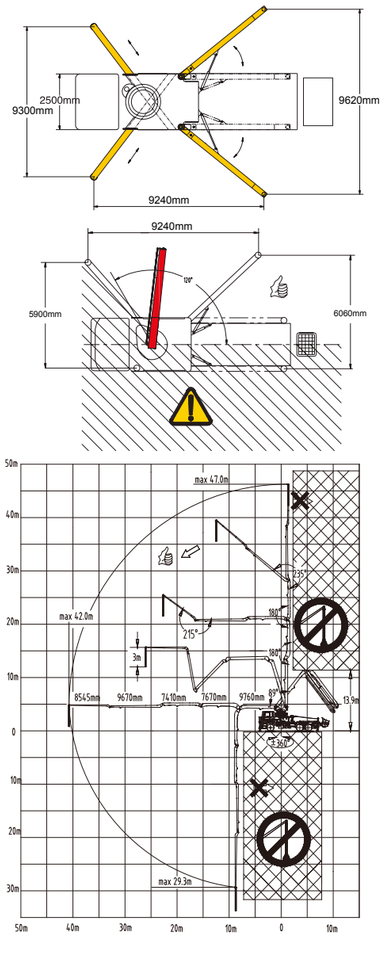




47m Concrete Pump Series

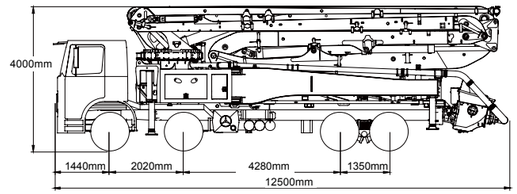
			Model	SYG5360THB 47
Overall Specification			Length (mm)	12500
			Width (mm)	2500
			Height (mm)	4000
			Empty Weight (kg)	36400
Boom & Outrigger Specification			Vertical Reach (m)	47
			Horizontal Reach (m)	42
			Reach Depth (m)	29.4
			Unfolded Reach (m)	13.9
	1st Section		Length (mm)	9760
			Articulation	89°
	2nd Section		Length (mm)	7670
			Articulation	180°
	3rd Section		Length (mm)	7410
			Articulation	180°
	4th Section		Length (mm)	9670
			Articulation	235°
	5th Section		Length (mm)	8545
			Articulation	215°
	Rotation			±360°
	Outrigger Spread L-R---front (mm)			9300
	Outrigger Spread L-R---rear (mm)			9620
Pumping Systerm Specification	Output		Low-pressure (m^3/h)	170
			High-pressure (m^3/h)	120
	Pressure		Low-pressure (Mpa)	8.3
			High-pressure (Mpa)	12
	Max. Strokes per Minute		Low-pressure (times/min)	29
			High-pressure (times/min)	19
	Delivery Cylinder Diameter (mm)			260
	Stroke Length (mm)			1900
	Hydraulic System			Open
	Hydraulic System Oil Pressure (Mpa)			32
	Hydraulic Tank Capacity (L)			680
	Water Tank Capacity (L)			620
	Pipe Size (mm)			125
	End Hose Length (m)			3
	End Hose Diameter (mm)			125
Chassis Specification	Chassis Model			BENZ Actros 4141
	Engine Model			OM501LA. Ⅳ /3
	Engine Power (kW/rpm)			300/1800
	Emissions			Tier Ⅳ /Tier Ⅲ
	Fuel Tank Capacity (L)			400
	Displacement (L)			11.946
	Max. Speed (km/h)			80
	Brake Distance (m/km/h)			≤10/30

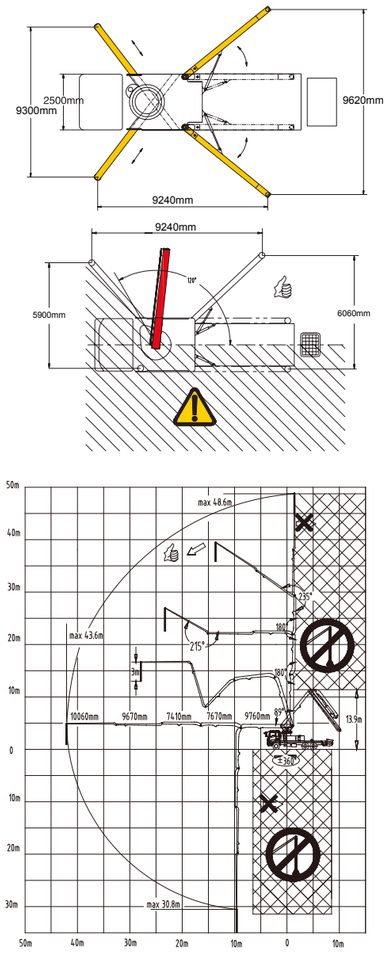




49m Concrete Pump Series

			Model	SYG5360THB 49
Overall Specification			Length (mm)	12500
			Width (mm)	2500
			Height (mm)	4000
			Empty Weight (kg)	36450
Boom & Outrigger Specification			Vertical Reach (m)	48.6
			Horizontal Reach (m)	43.6
			Reach Depth (m)	30.8
			Unfolded Reach (m)	13.9
	1st Section		Length (mm)	9760
			Articulation	89°
	2nd Section		Length (mm)	7670
			Articulation	180°
	3rd Section		Length (mm)	7410
			Articulation	180°
	4th Section		Length (mm)	9670
			Articulation	235°
	5th Section		Length (mm)	10060
			Articulation	215°
	Rotation			±360°
	Outrigger Spread L-R---Front (mm)			9300
	Outrigger Spread L-R---Rear (mm)			9620
Pumping Systerm Specification	Output		Low-pressure (m^3/h)	170
			High-pressure (m^3/h)	120
	Pressure		Low-pressure (Mpa)	8.3
			High-pressure (Mpa)	12
	Max. Strokes per Minute		Low-pressure (times/min)	29
			High-pressure (times/min)	19
	Delivery Cylinder Diameter (mm)			260
	Stroke Length (mm)			1900
	Hydraulic System			Open
	Hydraulic System Oil Pressure (Mpa)			32
	Hydraulic Tank Capacity (L)			680
	Water Tank Capacity (L)			620
	Pipe Size (mm)			125
	End Hose Length (m)			3
	End Hose Diameter (mm)			125
Chassis Specification	Chassis Model			BENZ Actros 4141
	Engine Model			OM501LA. Ⅳ /3
	Engine Power (kW/rpm)			300/1800
	Emissions			Tier Ⅳ / Tier Ⅲ
	Fuel Tank Capacity (L)			400
	Displacement (L)			11.946
	Max. Speed (km/h)			80
	Brake Distance (m/km/h)			≤10/30

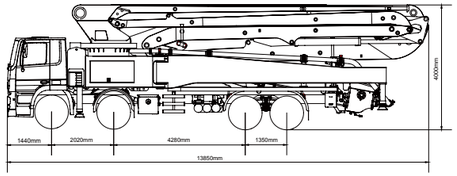


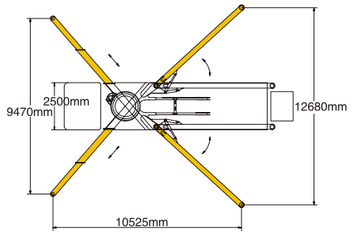


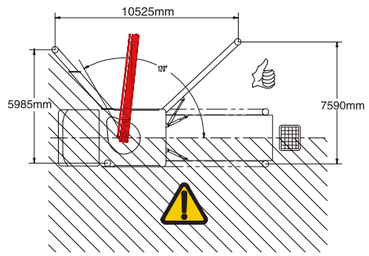
TECHNICAL SPECIFICATIONS

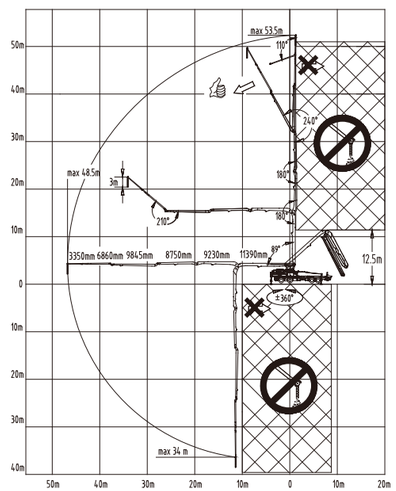
53m Concrete Pump Series

	Model		SYG5418THB 53
Overall Specification	Length (mm)		13850
	Width (mm)		2500
	Height (mm)		4000
	Empty Weight (kg)		42500
Boom & Outrigger Specification	Vertical Reach (m)		53.5
	Horizontal Reach (m)		48.5
	Reach Depth (m)		34
	Unfolded Reach (m)		15.2
	1st Section	Length (mm)	11390
		Articulation	90°
	2nd section	Length (mm)	9230
		Articulation	180°
	3rd Section	Length (mm)	8750
		Articulation	180°
	4th Section	Length (mm)	9845
		Articulation	240°
	5th Section	Length (mm)	6730
		Articulation	220°
	6th Section	Length (mm)	3350
		Articulation	110°
	Rotation		±360°
	Outrigger Spread L-R---front (mm)		9470
	Outrigger Spread L-R---rear (mm)		12680
Pumping Systerm Specification	Output	Low-pressure (m^3/h)	180
		High-pressure (m^3/h)	125
	Pressure	Low-pressure (Mpa)	8.3
		High-pressure (Mpa)	12
	Max. Strokes per Minute	Low-pressure (times/min)	29
		High-pressure (times/min)	19
	Delivery Cylinder Diameter (mm)		260
	Stroke Length (mm)		2100
	Hydraulic System		Open
	Hydraulic System Pressure (Mpa)		32
	Hydraulic Tank Capacity (L)		680
	Water Tank Capacity (L)		620
	Pipe Size (mm)		125
	End Hose Length (m)		3
	End Hose Diameter (mm)		125
Chassis Specification	Chassis Model		BENZ Actros 4141
	Engine Model		OM501LA. Ⅳ /3
	Engine Power (kW/rpm)		300/1800
	Emissions		Tier Ⅳ /Tier Ⅲ
	Fuel Tank Capacity (L)		400
	Displacement (L)		11.946
	Max. Speed (km/h)		80
	Brake Distance (m/km/h)		≤10/30



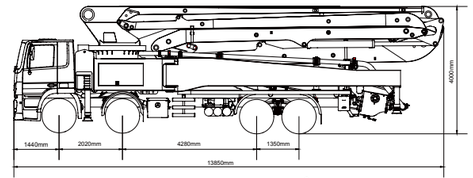


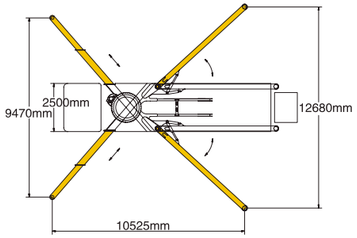


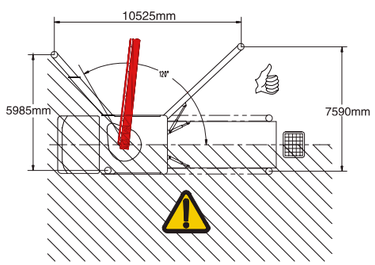


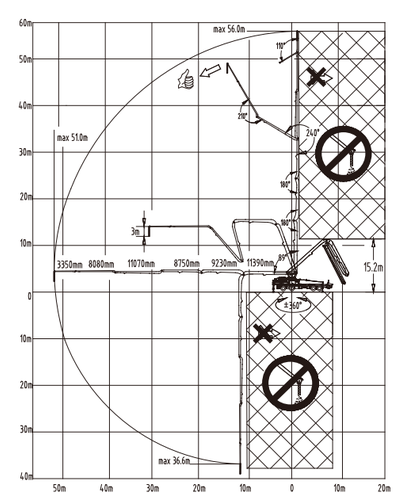
56m Concrete Pump Series

	Model		SYG5418THB 56
Overall Specification	Length (mm)		13850
	Width (mm)		2500
	Height (mm)		4000
	Empty Weight (kg)		42500
Boom & Outrigger Specification	Vertical Reach (m)		56
	Horizontal Reach (m)		51
	Reach Depth (m)		36.6
	Unfolded Reach (m)		15.2
	1st Section	Length (mm)	11390
		Articulation	90°
	2nd Section	Length (mm)	9230
		Articulation	180°
	3rd Section	Length (mm)	8750
		Articulation	180°
	4th Section	Length (mm)	11070
		Articulation	240°
	5th Section	Length (mm)	8080
		Articulation	210°
	6th Section	Length (mm)	3350
		Articulation	110°
	Rotation		±360°
	Outrigger Spread L-R---Front (mm)		9470
	Outrigger Spread L-R---Rear (mm)		12680
Pumping Systerm Specification	Output	Low-pressure (m^3/h)	180
		High-pressure (m^3/h)	125
	Pressure	Low-pressure (Mpa)	8.3
		High-pressure (Mpa)	12
	Max. Strokes per Minute	Low-pressure (times/min)	29
		High-pressure (times/min)	19
	Delivery Cylinder Diameter (mm)		260
	Stroke Length (mm)		2100
	Hydraulic System		Open
	Hydraulic System Oil Pressure (Mpa)		32
	Hydraulic Tank Capacity (L)		680
	Water Tank Capacity (L)		620
	Pipe Size (mm)		125
	End Hose Length (m)		3
	End Hose Diameter (mm)		125
Chassis Specification	Chassis Model		BENZ Actros 4141
	Engine Model		OM501LA. Ⅳ /3
	Engine Power (kW/rpm)		300/1800
	Emissions		Tier Ⅳ /Tier Ⅲ
	Fuel Tank Capacity (L)		400
	Displacement (L)		11.946
	Max. Speed (km/h)		80
	Brake Distance (m/km/h)		≤10/30





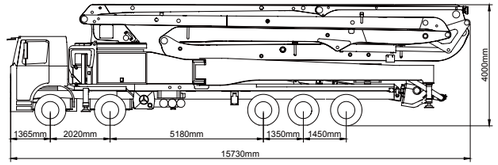


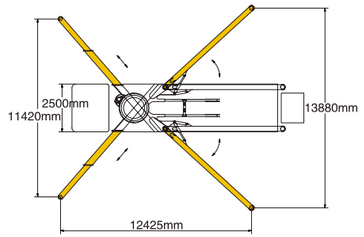


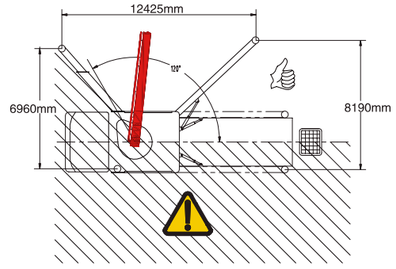
TECHNICAL SPECIFICATIONS

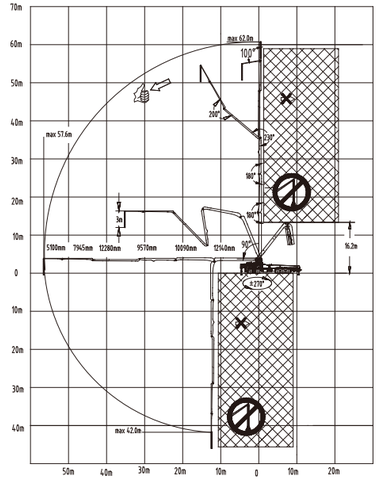
62m Concrete Pump Series

Model			**SYG5530THB 62**
Overall Specification	Length (mm)		15730
	Width (mm)		2500
	Height (mm)		4000
	Empty Weight (kg)		53000
Boom & Outrigger Specification	Vertical Reach (m)		62
	Horizontal Reach (m)		57.6
	Reach Depth (m)		42
	Unfolded Reach (m)		16.2
	1st Section	Length (mm)	12140
		Articulation	90°
	2nd Section	Length (mm)	10090
		Articulation	180°
	3rd Section	Length (mm)	9570
		Articulation	180°
	4th Section	Length (mm)	12280
		Articulation	230°
	5th Section	Length (mm)	7945
		Articulation	200°
	6th Section	Length (mm)	5100
		Articulation	100°
	Rotation		±270°
	Outrigger Spread L-R---front (mm)		11420
	Outrigger Spread L-R---rear (mm)		13880
Pumping Systerm Specification	Output	Low-pressure (m^3/h)	180
		High-pressure (m^3/h)	125
	Pressure	Low-pressure (Mpa)	8.3
		High-pressure (Mpa)	12
	Max. Strokes per Minute	Low-pressure (times/min)	29
		High-pressure (times/min)	19
	Delivery Cylinder Diameter (mm)		260
	Stroke Length (mm)		2100
	Hydraulic System		Open
	Hydraulic System Oil Pressure (Mpa)		32
	Hydraulic Tank Capacity (L)		650
	Water Tank Capacity (L)		700
	Pipe Size (mm)		125
	End Hose Length (m)		3
	End Hose Diameter (mm)		125
Chassis Specification	Chassis Model		BENZ ACTROS 5041 10×4
	Engine Model		OM501LA.IV/3
	Engine Power (kW/RPM)		300/1800
	Emissions		Tier Ⅳ /Tier Ⅲ
	Fuel Tank Capacity (L)		400
	Displacement (L)		11.946
	Max. Speed (km/h)		80
	Brake Distance (m/kh/h)		≤10/30



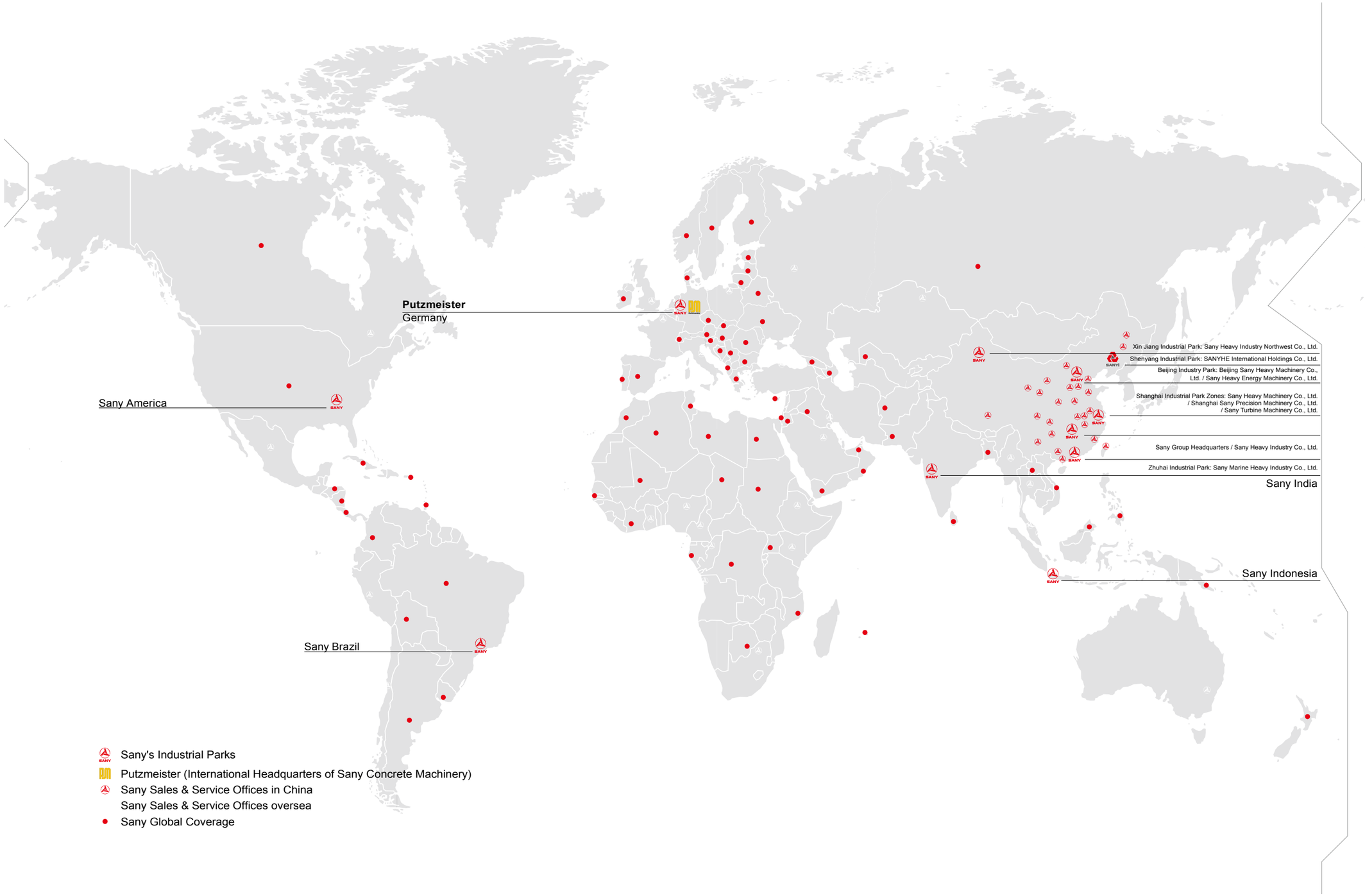






C8

LEAD THE ERA
CONTROL THE FUTURE


Putzmeister
Germany
Sany America
Sany Brazil
Xin Jiang Industrial Park: Sany Heavy Industry Northwest Co., Ltd.
Shenyang Industrial Park: SANYHE International Holdings Co., Ltd.
Beijing Industry Park: Beijing 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.
Sany India
Sany Indonesia
Sany's Industrial Parks
Putzmeister (International Headquarters of Sany Concrete Machinery)
Sany Sales & Service Offices in China
Sany Sales & Service Offices oversea
Sany Global Coverage