

SANY

品质改变世界
QUALITY CHANGES THE WORLD

三一专用底盘 S 系列 62 米泵车

SYM5465THBF 620S

technical document

技术文件

Sany special chassis S series 62m pump trucks



一.Introduction of product technology advantages

1. The industry's strongest S-class pumping system: the pumping system is newly upgraded, the pumping speed is increased by 10%, 1 hour more than 1 car of material; sand pumping is worry-free, no segregation, no suction of empty, no accumulation of material, no jamming, no blockage of the pipe.
2. The industry's unique sequential folding seven-section arm: sequential folding, fast retraction; the end of the three sections are about 6 metres, the high-level fabric range to enhance more than 15%; the fifth generation of vibration damping technology, vibration damping, accurate fabric!
3. The industry's first 62-metre two-extension front outriggers: large metre section, small footprint; more than 15% reduction in footprint, the strongest site adaptability in the same metre section.
4. A number of industry-first intelligent upgrades: the industry's first distributed control system, component-level troubleshooting; the industry's first full-touch 15.6-inch intelligent screen, the status of the entire vehicle, a screen; a new intelligent driving experience, the entire vehicle is equipped with a voice wake-up call, intelligent 360 panoramic image, and other 10+ intelligent driving assistance functions.
5. A new generation of money-saving tools: industry-exclusive VCU driving behaviour optimization technology, driving energy consumption reduced by 5%; pumping conditions engine energy-saving tuning, hydraulic system efficiency optimisation, pumping fuel consumption reduced by 13%; Sino-German technology of cloth-clamped rubber piston, the average life expectancy of 500h, the longest breakthrough of 1,500h (100,000m³).
6. The industry's only dedicated integrated chassis: custom 318 luxury cab, 20+ intelligent and humane configuration; with Trinity Deutz National Six engine, full five high verification, strong power and low fuel consumption, the work of Sino-German craftsmanship! Chassis configuration customised for engineering conditions, strong power, high speed ratio, high ground clearance, the first in the industry to get out of trouble!
7. The whole vehicle and axle load are not overweight, no worry about licensing; professional maintenance channels, Sany nanny one-stop maintenance, parts reserve is on your side. From now on do not have to buy parts across the ocean, the repair time is greatly reduced! Looking around the world, the real chassis, the top of the integrated manufacturing and mature and reliable industry recognition is not much, then Sany dare to challenge and have the strength to solve this industry problem, leading the market!



二、Main technical parameters table

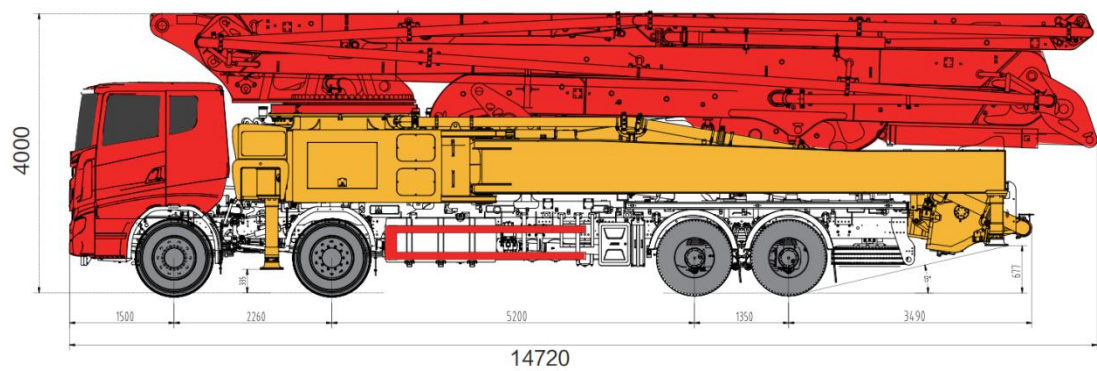
model		unit	SYM5465THBF 620S	
Vehicle parameters	overall length		mm	14720
	total width		mm	2550
	total height		mm	4000
	gross weight		kg	46000
Boom leg parameters	Boom vertical height		m	61.1
	Boom horizontal length		m	54.4
	Boom vertical depth		m	43.2+3(hose)
	Minimum spread height		m	15.8
	SectionI arms	length	mm	10510
		Turning angle		89°
	Section II arms	length	mm	6619
		Turning angle		180°
	Section III arms	length	mm	8858
		Turning angle		180°
	Section IV arms	length	mm	12214
		Turning angle		230°
	Section V arms	length	mm	6260
		Turning angle		180°
	Section VI arms	length	mm	6462
		Turning angle		90°
	Section VII arms	length	mm	6200
		Turning angle		200°
	Rotary angle of rotary table			

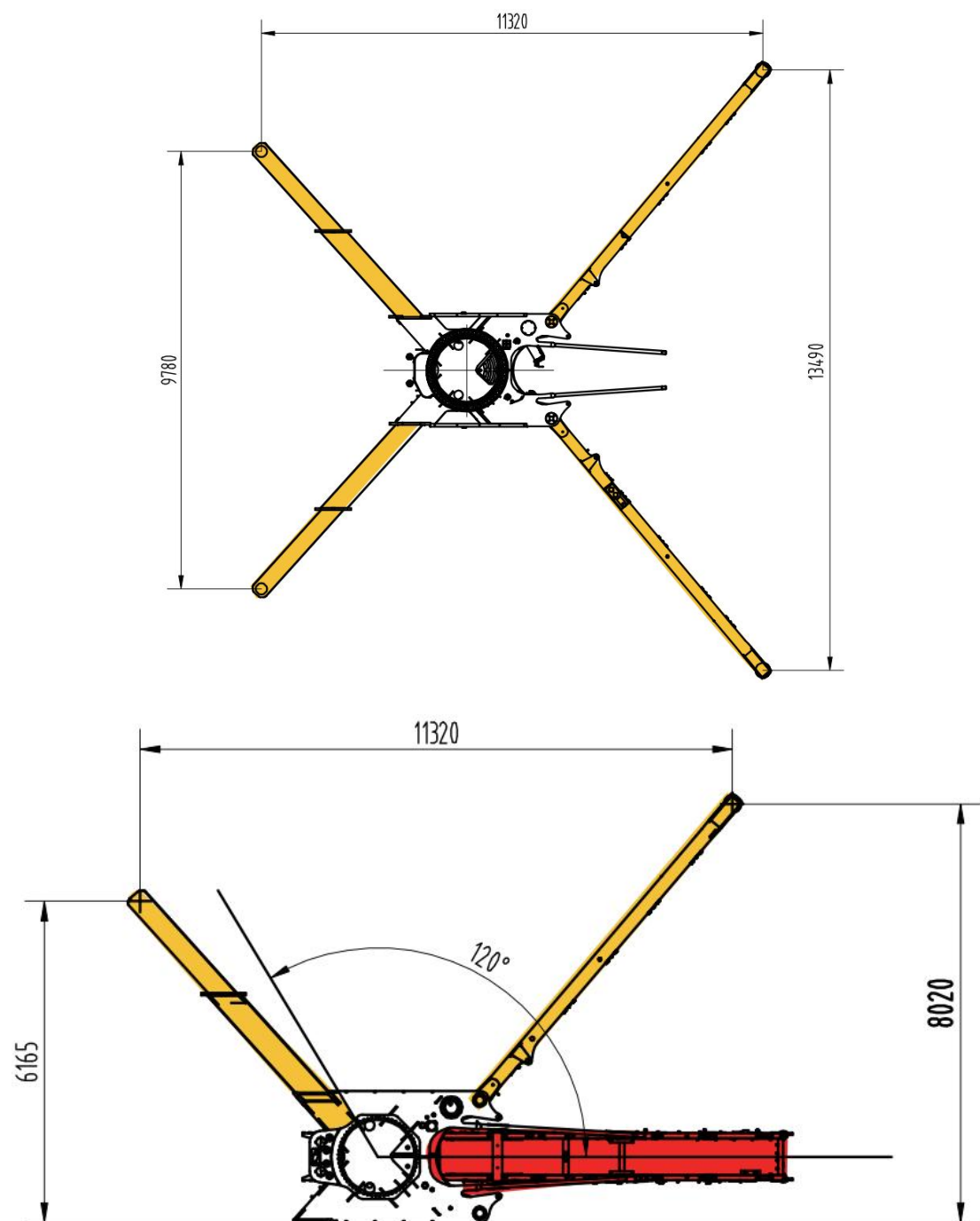


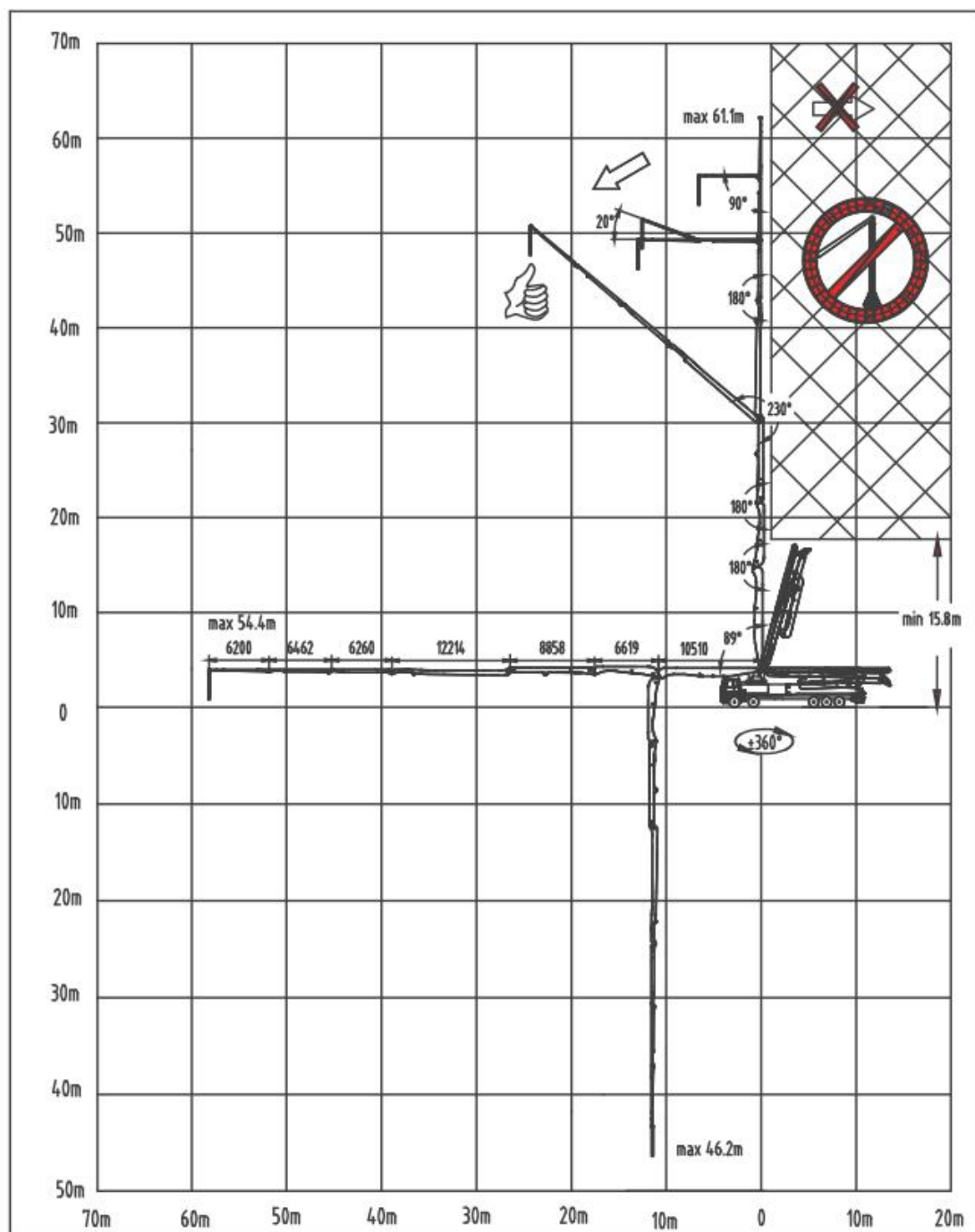
model			unit	SYM5465THBF 620S
	Front outrigger spread width		mm	9780
	Rear outrigger spread width		mm	13490
Pumping system parameters	Theoretical displacement of concrete	undervoltage	m³/h	180
		high voltage	m³/h	125
	Theoretical pumping pressure	undervoltage	Mpa	8.3
		high voltage	Mpa	13
	Theoretical pumping times	undervoltage	beats/mi nute	27
		high voltage	beats/mi nute	19
	Conveying cylinder inner diameter		mm	260
	Stroke of conveyor cylinder		mm	2100
	hydraulic system			Open type with C10 digital master cylinder and C10 integrated valve train
	System oil pressure		MP	32
	Fuel tank volume		L	450+450
	Tank volume		L	700+700
	Conveying Pipe Diameter		mm	125
	End Hose Length		m	3
	End Hose Diameter		mm	125
	parameter	Chassis Brands		
Chassis Model			SYM5460THB1F	
Engine Model			D13C6-480E0	
Maximum net engine power		kW/rpm	348/1900	



model		unit	SYM5465THBF 620S
	emission standard		China VI
	Fuel tank volume	L	600
	engine displacement	L	12.94
	Maximum speed	km/h	90
	braking distance	m/km/h	≤10/30







三、Product Main Configuration Table

Name	brand name	manufacturing location	SYM5359THB 620S
Chassis	Sany	China	Sany
Boom	Sany	China	●
Turret	Sany	China	●
Distributor box	Sany	China	●
Slewing bearings	Sany	China	●
Reducer	Sany	China	●
Conveyor Cylinder	Sany	China	●
S-valve assembly	Sany	China	●
Main oil pump	Rexroth	China	Rexroth190+190
Boom pump	Rexroth	German	Rexroth
Oil Cylinder	Sany	China	●
Boom manifold valve	Danfoss	Denmark	Danfoss
Controller	Sany	China	●
Display	Sany	China	●
Wireless remote control system	Sany	China	●