

HEAVY DUTY FORKLIFT **SCP160G**



SANY

HEAVY DUTY, HEAVY PERFORMANCE.

QUALITY CHANGES THE WORLD

Sany's Heavy Duty Forklifts are suitable for any heavy duty application and can be tailored to specific customer needs through a variety of available options. The 16 ton forklift is developed and manufactured in Germany, it features reliable and proven components, latest safety and ergonomic standards, highest driver comfort and a smart design to facilitate maintenance and service works.



Robust carriage with hook-on type forks, including side shift and fork positioning.



Coil ram, as well as other additional attachments, are available upon request, to help you with handling your loads.



Standard duplex mast with high visibility.



Duplex full free lift mast.

STANDARD DUPLEX MAST WITH HIGH VISIBILITY

Lifting height	Closed height	Open height
4000 mm	3760 mm	5710 mm
5000 mm	4260 mm	6710 mm
5500 mm	4510 mm	7210 mm
6000 mm	4760 mm	7710 mm
6500 mm	5010 mm	8210 mm

DUPLEX FULL FREE LIFT MAST

Lifting height	Closed height	Open height	Free lift
4000 mm	3760 mm	5710 mm	2050 mm
6000 mm	4760 mm	7710 mm	3000 mm





BORN IN EUROPE.

ENGINEERING

SANY Europe Forklifts incorporate components that are tested by its engineers and proven in the market. Every part of the machine has been developed by SANY engineers who follow the process from design conception to the completion of every new machine. SANY has a strong reputation of listening to customers and delivering strong, reliable yet comfortable equipment to satisfy the most exacting customer demand.

EUROPEAN EXPERTISE

SANY Europe represents a blend of international experience and youthful vigour. The team assembled in SANY Europe can demonstrate many years of experience in mobile port machinery in every departmental discipline - be it engineering, manufacturing, distribution and marketing.

MANUFACTURING

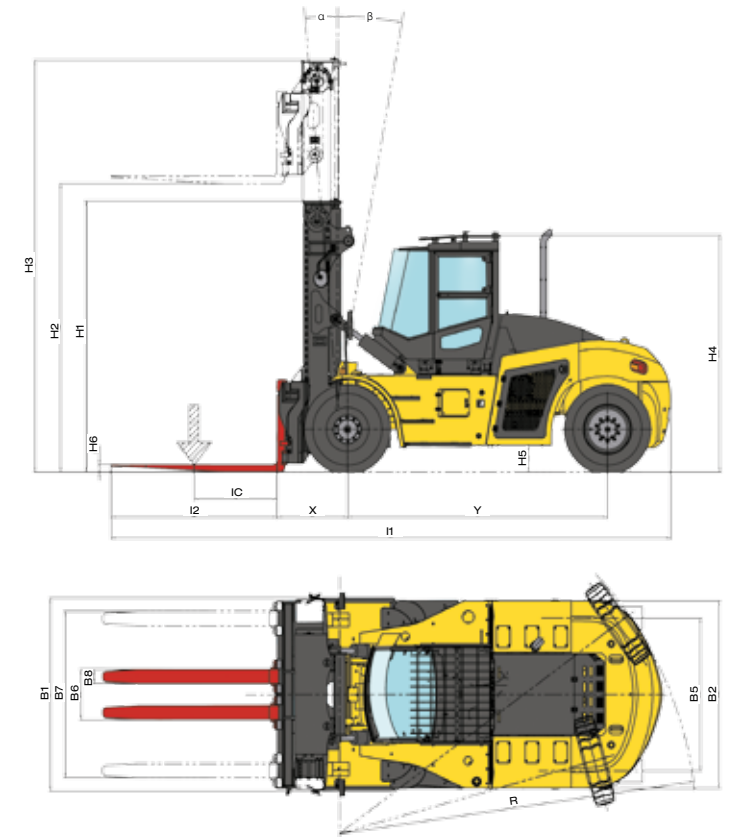
The mobile port equipment production facility in SANY was built in 2011 and adopts the very latest technology and machine assembly techniques and is arguably the most modern of its type in the market today. The components are sourced from premium European brands or manufactured by SANY themselves. Consequently, customers will benefit from shorter lead times and high quality equipment.

R&D DEPARTMENT IN GERMANY

Such is SANY's commitment to continual improvement, 5-7% of the annual turnover is re-invested each year into research and development. An integral part of this is SANY Europe's dedicated prototype department where they convert ideas from paper into reality and ensure that every new development has been fully tested and validated before being introduced to the production process.

SPECIFICATION

DIMENSIONS		
H2	Lifting height	4000
	Forks (thickness - width - length)	100x200 x2400
B6	Min fork positioning	700
B7	Max fork positioning	2310
	Total Sideshift	805
Y	Wheelbase	3750
B5	Wheel center Front\Rear	1902
H5	Ground clearance	400
L1	Overall Length	8070
B1/B2	Overall width Front\Rear	2794/2650
H1	Retracted mast height	3760
H3	Extended mast height	5710
H4	Cabin height	3285
	Seat height	1900
	Rear overhang (from center of steering axle till the end)	909
-/R	Turning Radius (inside\outside)	465/5100
X	Distance from drive axle center to fork face	1011
a/β	Mast tilting (Forward\Reverse)	5/10



PERFORMANCE		
Capacity	kg	16000
Load center	mm	1200
Travel speed with/without load	km/h	28/29
Lifting speed with/without load	mm/s	440/550
Lowering speed with/without load	mm/s	500/500
Max. traction force	kN	168
Max. gradient	%	42

TIRES & WEIGHTS		
Front/rear tires	Pneumatic	
Size front tires	(4x) 12.00x24 - 28 PR	
Size rear tires	(2x) 12.00x24 - 28 PR	
Pressure	bar	10
Total weight without load	kg	24075
Weight on axle at max. load (Front/Rear)	kg	37068/3007
Weight on axle without load (Front/Rear)	kg	11254/12821

POWERTRAIN SYSTEM		
Brakes	Front	Wet disc brakes
	Parking	Automatic mechanical brake disc
Engine	Type	Diesel
	Model	VOLVO TAD 572 VE
	Power	160 kw - 217 hp at 2300 rpm
	Torque	910 Nm at 1450 rpm
	Cylinders	4
	Displacement	5100 cm ³
Drive axle	Model	Kessler D 81
Gearbox	Model	Dana Clark TE 17
	Gear speeds	3/3
Hydraulic Pressure	Bar	160
Fluids	Hydraulic oil	375 l
	Ad Blue	45 l
	Fuel	350 l

STANDARD CONFIGURATION AND OPTIONS

STANDARD CONFIGURATION

- 4000mm mast
- 100x200x2400 mm forks
- Fork shaft system with hook-on type forks
- Side shift
- Fork positioning
- 12.00x24" tires
- Electric tiltable cabin
- VOLVO TAD 572 VE stage IV
- DANA TE17 gearbox
- Drive Axle Kessler D81
- Led lighting system
- Rotating amber beacon
- Full CAN BUS system for data transfer
- Grammer seat
- 2 liters fire extinguisher
- Air conditioning
- Load sensing hydraulics
- Hydraulic engine fan
- PARKER main valve combined with PARKER pumps
- Full color display
- Automatic parking brake with easy release system for emergency cases

MAIN OPTIONS

- Masts in different heights
- Full freelifit masts
- Different fork dimensions
- Rear view camera
- Rear Parking Sensors
- Tyre pressure monitoring system
- 360 degree surround view camera system
- Automatic fire extinguisher system in the engine bay
- Emergency switches on both machine sides
- External monitor for daily maintenance checks
- Central greasing system
- Grammer seat air suspended
- Diesel cabin heater
- Winter package for cold climate
- Blaupunkt mp3 radio with CD, SD Card Reader, Bluetooth and Jack Plug
- Customized painting



REDUNDANT CAN BUS JOYSTICK
Easy to control.



PRECISE MACHINE INTERFACE
Providing live key parameters.



OPTIMIZED CABIN DESIGN
For outstanding driver comfort.



ELECTRICALLY TILTABLE CABIN
For simplified serviceability.



SMART OVERALL DESIGN
For easy maintenance.

KEY FEATURES

Comfort and safety of the operators are attributes that SANY places a lot of emphasis on. The cabin is designed to facilitate the driver's natural range of movement. Redundant CAN BUS technology is used throughout the machine's control system to ensure the machine can be piloted in the event of a system failure. The machine's overall design supports facilitated maintenance through easily accessible service areas. Reliable and proven key components combined with smart and advanced engineering, SANY forklifts feature durability and low cost of ownership.



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