



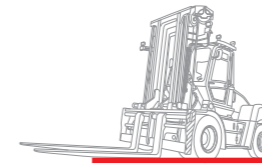
S a n y M a r i n e

HEAVY DUTY FORKLIFT TRUCKS



QUALITY CHANGES THE WORLD

钟灏(zhongh25) 2025-03-07



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HEAVY DUTY FORKLIFT TRUCKS



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About SANY Marine

Established in 2005, SANY Marine specializes in port and logistics equipment, including mobile port machinery (reach stackers, empty container handlers), port cranes (STS, RTG, RMG, jib cranes, MHC, ship unloaders, ship loaders), logistics equipment (material handlers, heavy-duty forklift trucks, electric terminal tractors), and telehandlers.

The Zhuhai Industrial Park of SANY Marine spans 2 million square meters, with 300,000 square meters for manufacturing facilities and another 300,000 square meters for large port machinery assembly. The park has an annual production capacity valued at \$2.1 billion.

COMPANY VISION

Become a leader in logistics equipment driven by globalization, digitization and efficient operation.



QUALITY CHANGES THE WORLD

Production R&D System



Manufacture Technology

SANY Marine, a leader in the field, has established an intelligent "Lighthouse Factory," integrating real-time data, centralized control, and flexible production islands. With six production lines, 18 islands, and 100 robots, the fully digitalized process spans material handling to assembly. This has led to a 30% increase in efficiency and a 30% reduction in lead times, enabling the production of one reach stacker every six hours. Annual output now totals 15 billion RMB, with large port machinery contributing 5 billion RMB and small port equipment 10 billion RMB.



Testing System

Leveraging global resources, SANY Marine has built a top R&D team of 500, with 50% holding master's degrees or higher. The company invests 6% of annual revenue in R&D, resulting in 736 patents, including 438 inventions, 29 international patents, and contributions to 23 industry standards.



Environmental Protection

Equipped with an eco-friendly engine that complies with the latest National IV standards and uses environmentally friendly paint to effectively reduce pollution. A full range of new energy products have achieved large-scale mass production and delivery.

Reliable Service

Reliable Service



Service Concept

- reply in 15 minutes
- arrive in 2 hours
- general fault solved in 1 day
- customer complaints resolved in 2 days
- general remaining problem solved in 7 days



Service Team

- 400 service engineers
- 60% obtained advanced skill level or above
- 300+ service vehicles
- 365 days*24h service



Service Outlets

- overseas office around globally
- 35 domestic service outlets
- service engineer standby in major cities



Accessory Storage

The four-in-one parts supply guarantee system of headquarters warehouse, regional central warehouse, provincial warehouse and municipal warehouse stores more than 100,000 kinds of spare parts

Customer APP

"MYSANY" allows global real-time monitoring of equipment status and reports, along with services like online support, community interaction, parts marketplace, repair requests, maintenance scheduling, and product knowledge.



Sany heavy-duty forklift is not only suitable for the loading and unloading of large tonnage cargo, but also can undertake the auxiliary maintenance, disassembly and installation of important equipment. It can also be used for steel, stone, concrete, logs, containers and other materials loading and unloading operations with special accessories. Sany's self-developed counterweight forklift has the characteristics of stability, reliability, safety, efficiency, energy saving and comfort, and now develops a series of products with different loads of 10 tons to 46 tons, and provides a variety of accessories and various types of masts to meet customer needs.

► World-class, China's first logistics equipment supplier

We offer the following product combinations, which can be freely matched or customized

HEAVY-DUTY FORKLIFT

10t~46t

MAST

Standard mast
Two stage lift free mast

ATTACHMENTS

Fork spreader for empty container
spreader for 20' heavy container
pole spreader spreader for log
PC prefabricated spreader bucket
chassis attachments



Electric Heavy-duty Forklift



SAFETY

- Lithium iron phosphate battery: good thermal stability, to solve the risk of spontaneous combustion or deflagration caused by thermal runaway, the battery comes with heating film and liquid cooling system, working normally at -30~+55°C;
- Battery management system (BMS) : over charge, over discharge, over current, temperature protection, voltage imbalance, over voltage and under voltage failure, SOC (power) too high and too low, insulation failure and related necessary detection and protection;
- Automatic fire suppression: The use of flame retardant materials + automatic fire extinguisher + manual fire extinguisher, all-round improve the fire performance



LONG ENDURANCE

- Direct motor drive energy saving 5%: the motor is directly connected to the drive axle, reducing intermediate links, improve transmission efficiency;
- High-voltage lithium battery system saves 3%:600V high-voltage lithium battery system effectively reduces heat loss during power transmission;
- Braking recovery energy saving 5%: recovery of braking energy, feedback to the battery, improve battery life;
- Integrated thermal management system saving 3%, integrated air conditioning, motor, electric control waste heat utilization.



FAST CHARGE

- High voltage charging above 600V
- Efficient charging system matched with high-voltage lithium battery system, which can be equipped with dual gun charging to further improve charging speed;
- High-power charging pile.



SCPE100

SANY Heavy-duty Forklift Trucks

↓ The cost for electric heavy duty forklift is 80,000 CNY(2000h) less than for fuel ones per year
Due to the fluctuation of electricity price and oil prices and other factors, the relevant data may vary



OVERALL WEIGHT
13500kg

RATED LOAD
10t

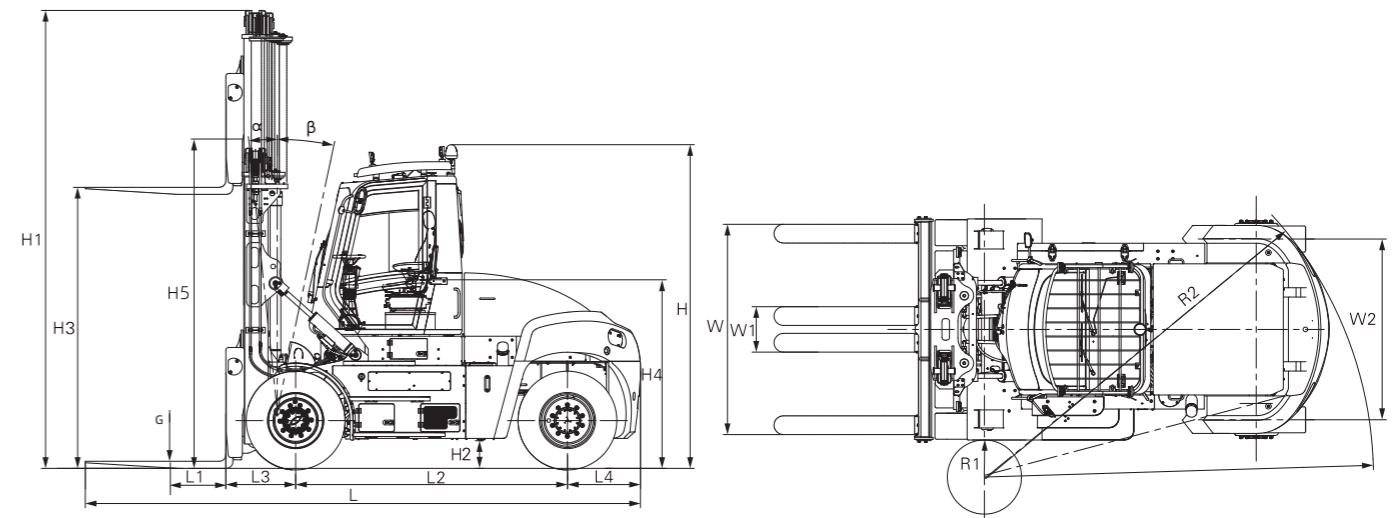
LIFTING HEIGHT
3m

Product Parameters

Technical Parameter		
ITEM	UNIT	SCPE100
Overall weight	t	13.5
Rated capacity	t	10
Lift speed (laden/unladen)	mm/s	450/500
Lowering speed (Laden/unladen)	mm/s	500/450
Travel speed (laden/unladen)	km/h	25/25
Gradeability (laden)	%	27
Length overall L	mm	5724
Width overall W	mm	2408
Height overall H	mm	3435
Load center L1	mm	600
Wheel base L2	mm	2700
Overhang front L3	mm	745
Overhang rear L4	mm	779
Ground clearance H2	mm	275
Seat height above ground H4	mm	1992
Inner turning radius R1	mm	325
Outer turning radius R2	mm	4000
Front track width W1	mm	1728
Rear track width W2	mm	1960
Mast height (Retracted H /extended H1)	mm	3398/4868
Lift height standard H3	mm	3000
Mast tilt (forward/backwards)	deg	6/12

Configuration Parameter			
CONFIGURATION		UNIT	SCPE100
Engine	Brand	-	Huichuan
	Rated capacity	kW/rpm	105
Engine	Brand	-	Huichuan
	Rated capacity	kW/rpm	63
Battery	Brand	-	AVIC & CATL
	Rated voltage	V	521
	Rated electric quantity	kWh	90
Drive axle brand		-	SANY
Forks	Dimension (Length×width×height)	mm	1500×200×75
	Fork distance (Minimum-maximum)	mm	485~2245
	Applicaton	-	ISO 20'container, large tonnage or bulk cargo
Tire dimension		-	9.00-20PR

Dimensions



SCPE120

SANY Heavy-duty Forklift Trucks

↓ The cost for electric heavy duty forklift is 92,000 CNY (2000h) less than for fuel ones per year
Due to the fluctuation of electricity price and oil prices and other factors, the relevant data may vary



OVERALL WEIGHT
14500kg

RATED LOAD
12t

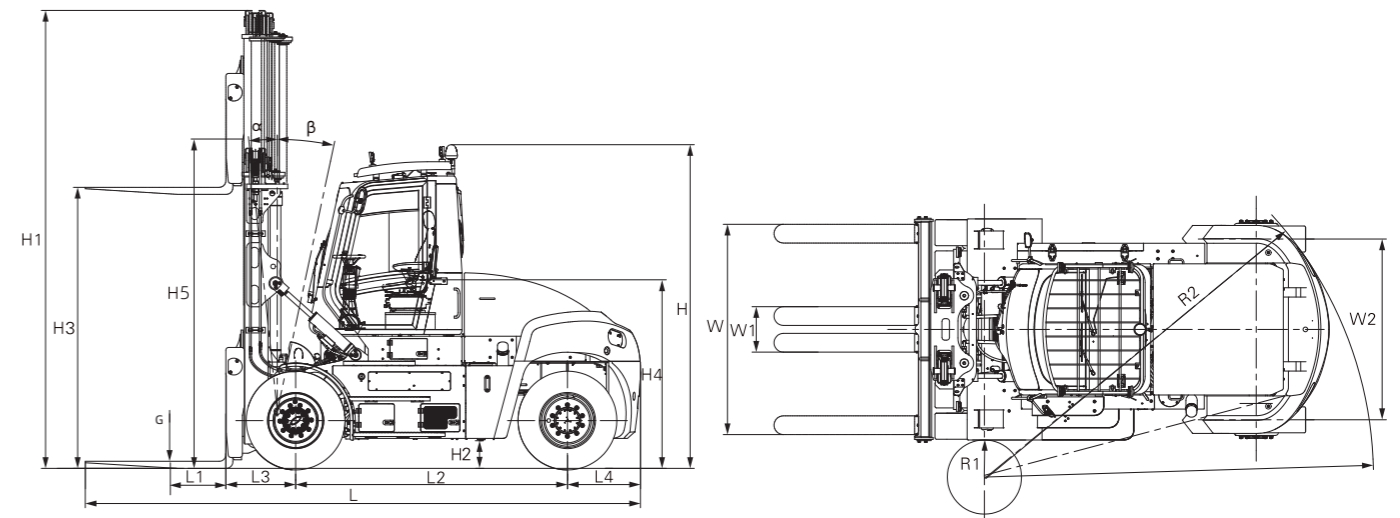
LIFTING HEIGHT
3m

Product Parameters

Technical Parameter		
ITEM	UNIT	SCPE120
Overall weight	t	14.5
Rated capacity	t	12
Lift speed (laden/unladen)	mm/s	500/450
Lowering speed (laden/unladen)	mm/s	450/500
Travel speed (laden/unladen)	km/h	26/26
Gradeability (laden)	%	22
Length overall L	mm	5924
Width overall W	mm	2408
Height overall H	mm	3455
Load center L1	mm	600
Wheel base L2	mm	2900
Overhang front L3	mm	745
Overhang rear L4	mm	779
Ground clearance H2	mm	295
Seat height above ground H4	mm	2012
Inner turning radius R1	mm	410
Outer turning radius R2	mm	4150
Front track width W1	mm	1732
Rear track width W2	mm	1930
Mast height (Retracted H / extended H1)	mm	3418/4888
Lift height standard H3	mm	3000
Mast tilt (forward/backwards)	deg	6/12

Configuration Parameter			
CONFIGURATION		UNIT	SCPE120
Engine	Brand	-	Lvkon
	Rated capacity	kW/rpm	105
Engine	Brand	-	Lvkon
	Rated capacity	kW/rpm	63
Battery	Brand	-	AVIC & CATL
	Rated voltage	V	500
	Rated electric quantity	kWh	141
Drive axle brand		-	SANY WF
Forks	Dimension (Length×width×height)	mm	1500×200×75
	Fork distance (Minimum-maximum)	mm	485~2245
	Applicaton	-	ISO 20' container, large tonnage or bulk cargo
Tire dimension		-	12.00-20PR

Dimensions



SCPE160

SANY Heavy-duty Forklift Trucks

↓ The cost for electric heavy duty forklift is 120,000 CNY(2000h) less than for fuel ones per year

Due to the fluctuation of electricity price and oil prices and other factors, the relevant data may vary



OVERALL WEIGHT
23500kg

RATED LOAD
16t

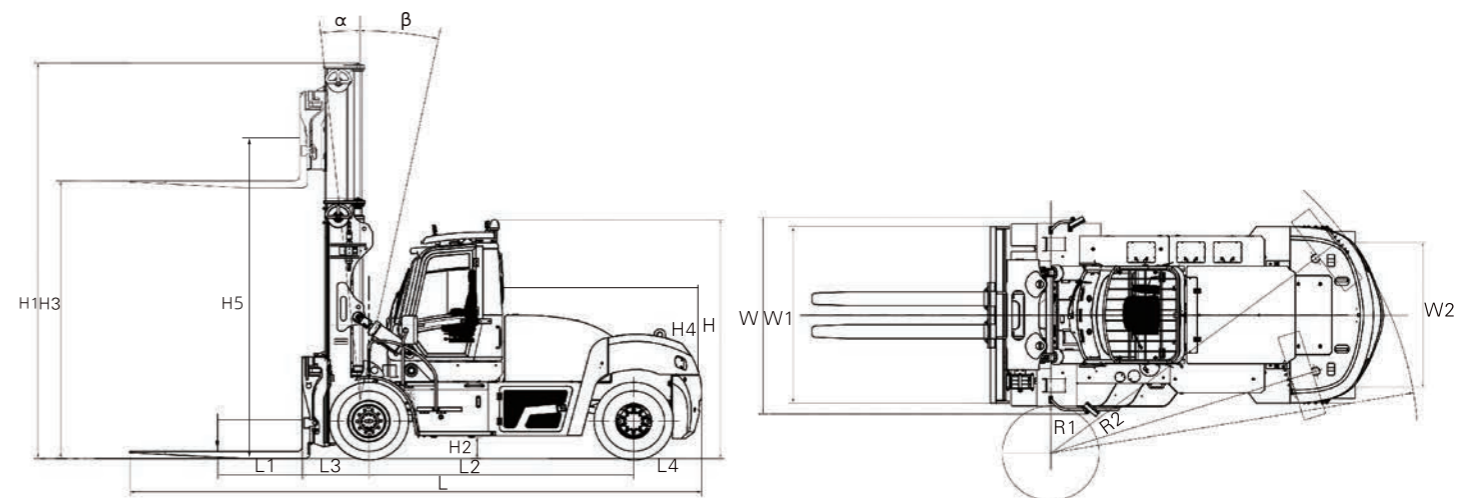
LIFTING HEIGHT
4m

Product Parameters

Technical Parameter		
ITEM	UNIT	SCPE160
Overall weight	t	23.5
Rated capacity	t	16
Lift speed (laden/unladen)	mm/s	450/400
Lowering speed (laden/unladen)	mm/s	430/450
Travel speed (laden/unladen)	km/h	24/22
Gradeability (laden)	%	15
Length overall L	mm	8095
Width overall W	mm	2834
Height overall H	mm	3440
Load center L1	mm	1200
Wheel base L2	mm	3750
Overhang front L3	mm	943
Overhang rear L4	mm	962
Ground clearance H2	mm	305
Seat height above ground H4	mm	1997
Inner turning radius R1	mm	685
Outer turning radius R2	mm	5200
Front track width W1	mm	1898
Rear track width W2	mm	2090
Mast height (Retracted H /extended H1)	mm	3754/5704
Lift height standard H3	mm	4000
Mast tilt (forward/backwards)	deg	6/12

Configuration Parameter			
CONFIGURATION		UNIT	SCPE160
Engine	Brand	-	Lvkon
	Rated capacity	kW/rpm	100
Engine	Brand	-	Lvkon
	Rated capacity	kW/rpm	75
Battery	Brand	-	Gotion
	Rated voltage	V	618
	Rated electric quantity	kWh	141
Drive axle brand		-	SANY
Forks	Dimension (Length×width×height)	mm	2440×200×100
	Fork distance (Minimum-maximum)	mm	674~2274
	Applicaton	-	ISO 20'container, large tonnage or bulk cargo
Tire dimension		-	12.00-20PR

Dimensions



SCPE250

SANY Heavy-duty Forklift Trucks

↓ The cost for electric heavy duty forklift is 140,000 CNY(2000h) less than for fuel ones per year

Due to the fluctuation of electricity prices and oil prices and other factors, the relevant data may vary



OVERALL WEIGHT
33500kg

RATED LOAD
25t

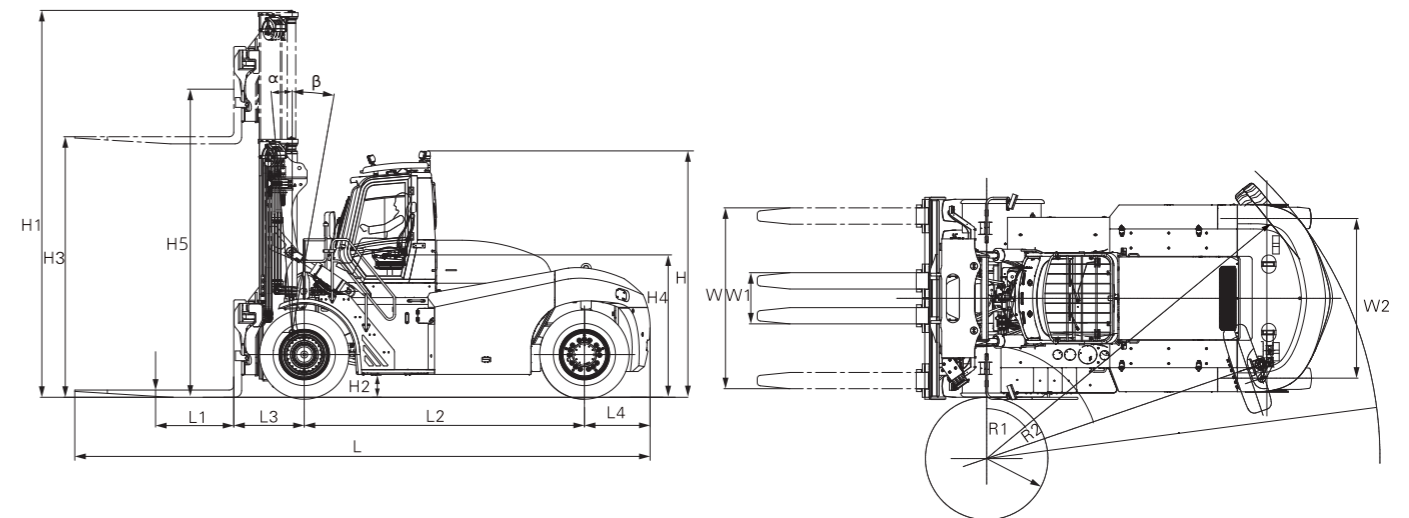
LIFTING HEIGHT
4m

Product Parameters

Technical Parameter		
ITEM	UNIT	SCPE250
Overall weight	t	33.5
Rated capacity	t	25
Lift speed (laden/unladen)	mm/s	320/350
Lowering speed (laden/unladen)	mm/s	400/400
Travel speed (laden/unladen)	km/h	21/23
Gradeability (laden)	%	18
Length overall L	mm	8828
Width overall W	mm	3108
Height overall H	mm	3783
Load center L1	mm	1200
Wheel base L2	mm	4300
Overhang front L3	mm	1080
Overhang rear L4	mm	1008
Ground clearance H2	mm	337
Seat height above ground H4	mm	2315
Inner turning radius R1	mm	940
Outer turning radius R2	mm	6000
Front track width W1	mm	2204
Rear track width W2	mm	2450
Mast height (Retracted H /extended H1)	mm	3994/5939
Lift height standard H3	mm	4000
Mast tilt (forward/backwards)	deg	5/10

Configuration Parameter			
CONFIGURATION		UNIT	SCPE250
Engine	Brand	-	Lvkon
	Rated capacity	kW/rpm	130
Engine	Brand	-	Lvkon
	Rated capacity	kW/rpm	100
Battery	Brand	-	Gotion
	Rated voltage	V	618
	Rated electric quantity	kWh	282
Drive axle brand		-	SANY
Forks	Dimension (Length×width×height)	mm	2440×250×110
	Fork distance (Minimum-maximum)	mm	786~2776
	Applicaton	-	ISO 20'container, large tonnage or bulk cargo
Tire dimension		-	14.00-24PR

Dimensions



SCPE300

SANY Heavy-duty Forklift Trucks

↓ The cost for electric heavy duty forklift is 180,000 CNY(2000h) less than for fuel ones per year

Due to the fluctuation of electricity prices and oil prices and other factors, the relevant data may vary



OVERALL WEIGHT
41000kg

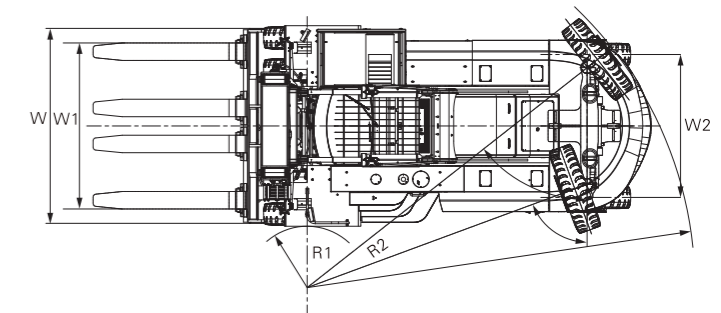
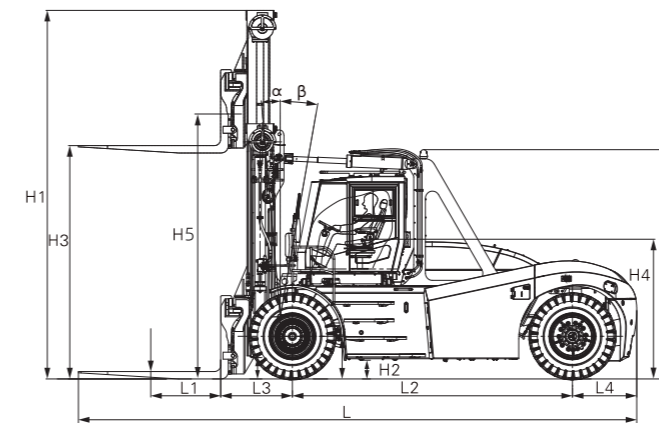
RATED LOAD
30t

LIFTING HEIGHT
4m

Product Parameters

Technical Parameter			Configuration Parameter			
ITEM	UNIT	SCPE300	CONFIGURATION	UNIT	SCPE300	
Overall weight	t	41	Engine	Brand	- Lvkon	
Rated capacity	t	30		Rated capacity	kW/rpm	171
Lift speed (laden/unladen)	mm/s	350/300	Engine	Brand	- Lvkon	
Lowering speed (laden/unladen)	mm/s	400/400		Rated capacity	kW/rpm	160
Travel speed (laden/unladen)	km/h	28/26	Battery	Brand	- Gotion	
Gradeability (laden)	%	19		Rated voltage	V	528&580
Length overall L	mm	9573		Rated electric quantity	kWh	359&350
Width overall W	mm	3440	Drive axle brand		- SANY WF	
Height overall H	mm	3932	Forks	Dimension (Length×width×height)	mm 2440×300×110	
Load center L1	mm	1200		Fork distance (Minimum-maximum)	mm	918~2848
Wheel base L2	mm	4800		Applicaton	-	Large tonnage or bulk cargo
Overhang front L3	mm	1230	Tire dimension		- 16.00-25PR	
Overhang rear L4	mm	1103				
Ground clearance H2	mm	320				
Seat height above ground H4	mm	2395				
Inner turning radius R1	mm	1052				
Outer turning radius R2	mm	6650				
Front track width W1	mm	2472				
Rear track width W2	mm	2450				
Mast height (Retracted H /extended H1)	mm	4375/6320				
Lift height standard H3	mm	4000				
Mast tilt (forward/backwards)	deg	5/10				

Dimensions



SCPE320

SANY Heavy-duty Forklift Trucks

↓ The cost for electric heavy duty forklift is 180,000 CNY(2000h) less than for fuel ones per year

Due to the fluctuation of electricity prices and oil prices and other factors, the relevant data may vary



OVERALL WEIGHT
42500kg

RATED LOAD
32t

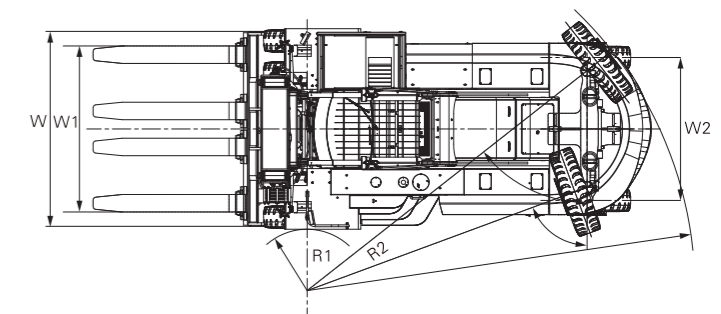
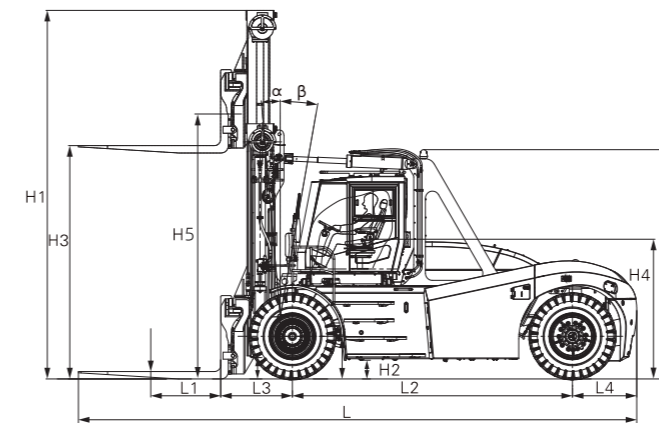
LIFTING HEIGHT
4m

Product Parameters

Technical Parameter		
ITEM	UNIT	SCPE320
Overall weight	t	42.5
Rated capacity	t	32
Lift speed (laden/unladen)	mm/s	350/300
Lowering speed (laden/unladen)	mm/s	400/400
Travel speed (laden/unladen)	km/h	28/26
Gradeability (laden)	%	18
Length overall L	mm	9573
Width overall W	mm	3440
Height overall H	mm	3932
Load center L1	mm	1200
Wheel base L2	mm	4800
Overhang front L3	mm	1230
Overhang rear L4	mm	1103
Ground clearance H2	mm	320
Seat height above ground H4	mm	2395
Inner turning radius R1	mm	1052
Outer turning radius R2	mm	6650
Front track width W1	mm	2472
Rear track width W2	mm	2450
Mast height (Retracted H /extended H1)	mm	4375/6320
Lift height standard H3	mm	4000
Mast tilt (forward/backwards)	deg	5/10

Configuration Parameter			
CONFIGURATION		UNIT	SCPE320
Engine	Brand	-	Lvkon
	Rated capacity	kW/rpm	171
Engine	Brand	-	Lvkon
	Rated capacity	kW/rpm	160
Battery	Brand	-	Gotion
	Rated voltage	V	528&580
	Rated electric quantity	kWh	359&350
Drive axle brand		-	SANY WF
Forks	Dimension (Length×width×height)	mm	2440×300×125
	Fork distance (Minimum-maximum)	mm	918~2848
	Applicaton	-	Large tonnage or bulk cargo
Tire dimension		-	16.00-25PR

Dimensions



SCPE350

SANY Heavy-duty Forklift Trucks

↓ The cost for electric heavy duty forklift is 200,000 CNY(2000h) less than for fuel ones per year

Due to the fluctuation of electricity prices and oil prices and other factors, the relevant data may vary



OVERALL WEIGHT
43800kg

RATED LOAD
35t

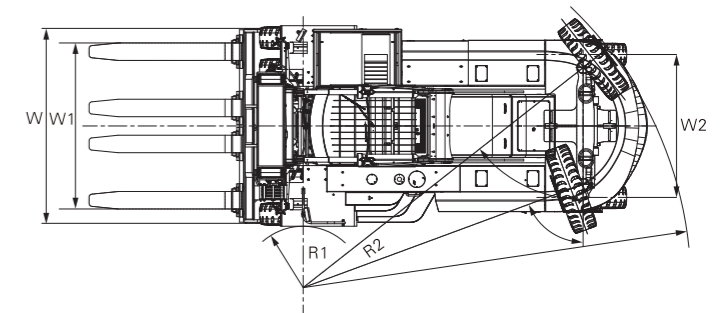
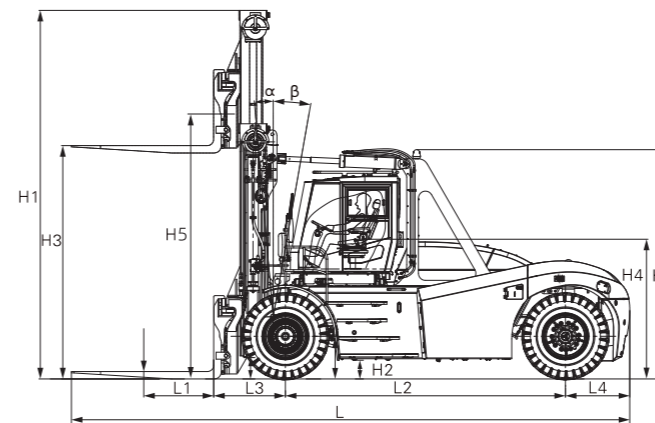
LIFTING HEIGHT
4m

Product Parameters

Technical Parameter		
ITEM	UNIT	SCPE350
Overall weight	t	43.8
Rated capacity	t	35
Lift speed (laden/unladen)	mm/s	350/300
Lowering speed (laden/unladen)	mm/s	400/400
Travel speed (laden/unladen)	km/h	28/26
Gradeability (laden)	%	17
Length overall L	mm	9573
Width overall W	mm	3440
Height overall H	mm	3932
Load center L1	mm	1200
Wheel base L2	mm	4800
Overhang front L3	mm	1230
Overhang rear L4	mm	1103
Ground clearance H2	mm	320
Seat height above ground H4	mm	2395
Inner turning radius R1	mm	1052
Outer turning radius R2	mm	6650
Front track width W1	mm	2472
Rear track width W2	mm	2450
Mast height (Retracted H /extended H1)	mm	4375/6320
Lift height standard H3	mm	4000
Mast tilt (forward/backwards)	deg	5/10

Configuration Parameter			
CONFIGURATION		UNIT	SCPE350
Engine	Brand	-	Lvkon
	Rated capacity	kW/rpm	171
Engine	Brand	-	Lvkon
	Rated capacity	kW/rpm	160
Battery	Brand	-	Gotion
	Rated voltage	V	528&580
	Rated electric quantity	kWh	359&350
Drive axle brand		-	SANY WF
Forks	Dimension (Length×width×height)	mm	2440×300×125
	Fork distance (Minimum-maximum)	mm	918~2848
	Applicaton	-	Large tonnage or bulk cargo
Tire dimension		-	16.00-25PR

Dimensions



Fuel Heavy-duty Forklift



Safer

- Fire prevention, automatic fire suppression: the use of flame retardant materials + automatic fire extinguisher + manual fire extinguisher, all-round improve the extinguish performance ;
- Engine electronic control protection: automatic engine stalling for low oil pressure and high water temperature, monitoring the engine stalling period, and prohibiting the engine from starting within 10 minutes.



Reliable

- The engine, gearbox, axle, main pump, and main valve are from global well-known brands, ensuring the reliability and strength;
- The chassis, mast and fork structure optimized by CAE in all working conditions ensure the service life of more than 30,000 hours;
- The redundant design of the cooling system can ensure continuous operation at ambient temperature of 45°C;
- Independent brake system: the brake system is completely independent from the main hydraulic system, improving brake sensitivity, safety and hydraulic oil cleanliness, reducing brake failure by 80%.



Efficient

- 350ms Fast response: new generation control system, response time is less than 350ms;
- Fast replacement of accessories: modular interface to achieve quick replacement of various accessories;
- Fast removal of counterweight: with the function of quick removal of counterweight, it is easy to lift the whole vehicle to the cabin.



Intelligent

- Equipment intelligent management: Sany customer cloud online management, track playback, real-time working conditions, statistic reports ;
- Pedestrian recognition brake system: three-level alarm area, reverse pedestrian recognition rate $\geq 90\%$;
- Dynamic power matching: engine working condition adaptive control, adjust the economic speed curve of the engine under different loads, saving 10% energy ;
- Fault self-diagnosis system: Equipped with a new fault diagnosis system, the fault content is displayed in real time, fast troubleshooting.



Comfortable

- New generation cab: high panoramic cab, wide operating space, humanized control arrangement ;
- HD large screen: clearly and intuitively display the real-time working conditions of the equipment, making it more convenient to query the working conditions ;
- Two-stage adjustable steering: two levels of steering modulation, make the driving more comfortable ;
- Better operating vision: wide mast, 360-degree panoramic image, good operating vision, more comfortable driving experience ;
- With the fork camera, the full fork view can be displayed.



SCP160G5A

SANY Heavy-duty Forklift Trucks

High Efficiency & Energy Saving Model of Intelligence



RATED CAPACITY

168kW/2200rpm

OVERALL WEIGHT

23000kg

RATED LOAD

16t

LIFTING HEIGHT

4m

Product Parameters

Technical Parameter				
ITEM			UNIT	SCP160G5A
Configuration parameter	Engine	Type	-	CUMMINS QSB6.7
		Rated capacity	kw/rpm	168/2200
		Max torque	Nm/rpm	1044/1500
		Emission standard	-	Stage V
	Transmission type	-	DANA TE14	
	Drive axle type	-	KESSLER D81	
	Tire dimension	-	12.00-20 18PR	
Performance parameter	Rated capacity	t	16	
	Overall weight	kg	23000	
	Lift speed (laden/unladen)	mm/s	400/450	
	Lowering speed (laden/unladen)	mm/s	450/430	
	Travel speed (laden/unladen)	km/h	26/28	
	Gradeability (laden)	%	39	
Dimensions	Length Width Height L×W×H	mm	8065×2724×3595	
	Load center L1	mm	1200	
	Wheel base L2	mm	3750	
	Overhang front L3	mm	963	
	Overhang rear L4	mm	911	
	Ground clearance H2	mm	300	
	Seat height above ground H4	mm	1870	
	Inner turning radius R1	mm	685	
	Outer turning radius R2	mm	5200	
	Front track width W1	mm	1898	
	Rear track width W2	mm	2090	
Mast	Mast height (retracted H5 /extended H1)	mm	3754/5704	
	Lift height standard H3	mm	4000	
	Mast tilt (forward/backwards)	deg	15/12	
Forks	Dimension (Length×width×height)	mm	2440×200×100	
	Fork distance(Minimum~maximum)	mm	674~2274	

SCP250G5

SANY Heavy-duty Forklift Trucks

High Efficiency & Heavy Load Model of Cost Performance

Product Parameters

Technical Parameter			
ITEM		UNIT	SCP250G5
Configuration parameter	Engine	Type	-
		Rated capacity	kw/rpm
		Max torque	Nm/rpm
		Emission standard	-
Configuration parameter	Transmission type	-	
	Drive axle type	-	
	Tire dimension	-	
Performance parameter	Rated capacity	t	
	Overall weight	kg	
	Lift speed (laden/unladen)	mm/s	
	Lowering speed (laden/unladen)	mm/s	
	Travel speed (laden/unladen)	km/h	
	Gradeability (laden)	%	
Dimensions	Length Width Height L×W×H	mm	
	Load center L1	mm	
	Wheel base L2	mm	
	Overhang front L3	mm	
	Overhang rear L4	mm	
	Ground clearance H2	mm	
	Seat height above ground H4	mm	
	Inner turning radius R1	mm	
	Outer turning radius R2	mm	
	Front track width W1	mm	
	Rear track width W2	mm	
Mast	Mast height (retracted H5 /extended H1)	mm	
	Lift height standard H3	mm	
	Mast tilt (forward/backwards)	deg	
Forks	Dimension (Length×width×height)	mm	
	Fork distance(Minimum~maximum)	mm	

RATED CAPACITY

185kW/2200rpm

OVERALL WEIGHT

33700kg

RATED LOAD

25t

LIFTING HEIGHT

4m

SCP300G5

SANY Heavy-duty Forklift Trucks

Strong Power for Cargo Moving



RATED CAPACITY

185kW/2200rpm

OVERALL WEIGHT

41700kg

RATED LOAD

30t

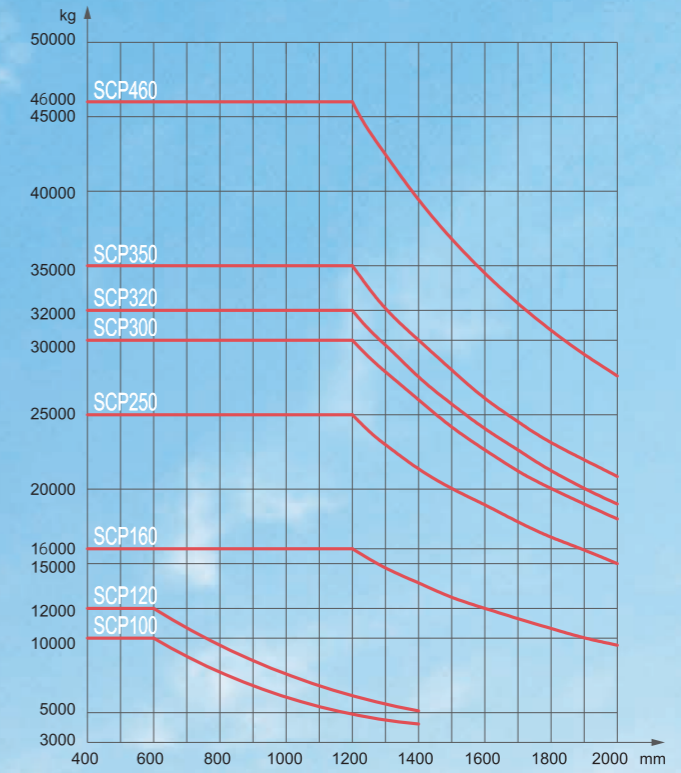
LIFTING HEIGHT

4m



Product Parameters

Technical Parameter					
ITEM		UNIT	SCP300G5	SCP320G5	
Configuration parameter	Engine	Type	-	VOLVO TAD881VE	VOLVO TAD881VE
		Rated capacity	kw/rpm	185/2200	185/2200
		Max torque	Nm/rpm	1175/1400	1175/1400
		Emission standard	-	Stage V	Stage V
	Transmission type	-	DANA TE17	DANA TE17	
	Drive axle type	-	KESSLER D91	KESSLER D91	
	Tire dimension	-	16.00-25 32PR	16.00-25 32PR	
Performance parameter	Rated capacity	t	30	30	
	Overall weight	kg	41700	42500	
	Lift speed (laden/unladen)	mm/s	320/350	320/350	
	Lowering speed (laden/unladen)	mm/s	400/400	400/400	
	Travel speed (laden/unladen)	km/h	25/28	25/28	
	Gradeability (laden)	%	25	25	
Dimensions	Length Width Height L×W×H	mm	9265×3580×3917	9265×3580×3917	
	Load center L1	mm	1200	1200	
	Wheel base L2	mm	4500	4500	
	Overhang front L3	mm	1220	1220	
	Overhang rear L4	mm	1105	1105	
	Ground clearance H2	mm	300	300	
	Seat height above ground H4	mm	2195	2195	
	Inner turning radius R1	mm	780	780	
	Outer turning radius R2	mm	6300	6300	
	Front track width W1	mm	2472	2472	
	Rear track width W2	mm	2450	2450	
Mast	Mast height (retracted H5 /extended H1)	mm	4360/6305	4360/6305	
	Lift height standard H3	mm	4000	4000	
	Mast tilt (forward/backwards)	deg	5/10	5/10	
Forks	Dimension (Length×width×height)	mm	2440×300×110	2440×300×110	
	Fork distance(Minimum~maximum)	mm	918~2848	918~2848	


► Load diagram



► Mast Options

			16t heavy-duty			
Mast	Max. Lift height standard	Mast tilt angle	Mast type	Mast height		Free lift height
				Min. Height	Max. Height	
► Standard mast  <p>Meet the requirements of ordinary working conditions, with the mast buffer limit protection technology, mast chain monitoring and protection technology.</p>	3000	5° /10°	-	-	-	-
	3500	5° /10°	MCPMS1635	3504	5204	-
	4000	5° /10°	MCPMS1640	3704	5704	-
	4500	5° /10°	MCPMS1645	4004	6204	-
	5000	5° /10°	MCPMS1650	4254	6704	-
	5500	5° /10°	MCPMS1655	4504	7204	-
	6000	5° /10°	MCPMS1660	4754	7704	-
	6500	5° /10°	MCPMS1665	5004	8204	-
► Two stage lift free mast  <p>It is suitable for operation in narrow situations such as cabin and free lifting distance of more than 2000mm.</p>	3000	5° /10°	-	-	-	-
	3500	5° /10°	MCPMD1635	3510	5210	1800
	4000	5° /10°	MCPMD1640	3760	5710	2050
	4500	5° /10°	MCPMD1645	4010	6210	2300
	5000	5° /10°	MCPMD1650	4260	6710	2550
	5500	5° /10°	MCPMD1655	4510	7210	2800
	6000	5° /10°	MCPMD1660	4760	7710	3050
	6500	5° /10°	MCPMD1665	5010	8210	3300
7000	5° /10°	MCPMD1670	5260	8710	3550	

25t heavy-duty				30~35t heavy-duty				46t heavy-duty			
Mast type	Mast height		Free lift height	Mast type	Mast height		Free lift height	Mast type	Mast height		Free lift height
	Min. Height	Max. Height			Min. Height	Max. Height			Min. Height	Max. Height	
-	-	-	-	MCPMS3530	3860	5305	-	MCPMS4630	4000	5430	-
MCPMS2535	3710	5405	-	MCPMS3535	4110	5805	-	MCPMS4635	4250	5930	-
MCPMS2540	3960	5905	-	MCPMS3540	4360	6305	-	MCPMS4640	4500	6430	-
MCPMS2545	4210	6405	-	MCPMS3545	4610	6805	-	MCPMS4645	4750	6930	-
MCPMS2550	4460	6905	-	MCPMS3550	4860	7305	-	MCPMS4650	5000	7430	-
MCPMS2555	4710	7405	-	MCPMS3555	5110	7805	-	MCPMS4655	5250	7930	-
MCPMS2560	4960	7905	-	MCPMS3560	5360	8305	-	MCPMS4660	5500	8430	-
MCPMS2565	5210	8405	-	MCPMS3565	5610	8805	-	MCPMS4665	5750	8930	-
MCPMS2570	5460	8905	-	MCPMS3570	5860	9305	-	MCPMS4670	6000	9430	-
-	-	-	-	MCPMS3530	3860	5305	1550	MCPMS4630	4000	5430	1550
MCPMD2535	3710	5410	1800	MCPMD3535	4110	5805	1800	MCPMD4635	4250	5930	1800
MCPMD2540	3960	5910	2050	MCPMD3540	4280	6305	2050	MCPMD4640	4500	6430	2050
MCPMD2545	4210	6410	2300	MCPMD3545	4530	6805	2300	MCPMD4645	4750	6930	2300
MCPMD2550	4460	6910	2550	MCPMD3550	4780	7305	2550	MCPMD4650	5000	7430	2550
MCPMD2555	4710	7410	2800	MCPMD3555	5030	7805	2800	MCPMD4655	5250	7930	2800
MCPMD2560	4960	7910	3050	MCPMD3560	5280	8305	3050	MCPMD4660	5500	8430	3050
MCPMD2565	5210	8410	3300	MCPMD3565	5530	8805	3300	MCPMD4665	5750	8930	3300
MCPMD2570	5460	8910	3550	MCPMD3570	5780	9305	3550	MCPMD4670	6000	9430	3550

			10~12t heavy-duty			
Mast	Max. Lift height standard	Mast tilt angle	Mast type	Mast height		Free lift height
				Min. Height	Max. Height	
► Standard mast  <p>Meet the requirements of ordinary working conditions, with the mast buffer limit protection technology, mast chain monitoring and protection technology.</p>	3000	6° /12°	MSA1030	3398	4868	-
	3500	6° /12°	MSA1035	3648	5368	-
	4000	6° /12°	MSA1040	3898	5858	-
	4500	6° /12°	MSA1045	4148	6368	-
	5000	6° /12°	MSA1050	4398	6868	-
	5500	6° /12°	MSA1055	4648	7368	-
	6000	6° /12°	MSA1060	4898	7868	-
	6500	6° /12°	MSA1065	5148	8368	-
7000	6° /12°	MSA1070	5398	8868	-	



► Add-On Options

Optional Function	Optional Instructions
Engine hour timer instrument	Engine operating timer instrument
Alarm system	Loudspeaker and alarm include
Rear counterweight warning light	One warning light added to the rear counterweight
Cab reading light	Cab reading light
12V power supply	12V power interface available (located inside the cab)
24V power supply	24V power interface available (inside cab)
3 m visual reversing radar system	3 m sensor probe visible astern radar
Steering horn	Add turning voice prompt function: turning left, turning right.
Radio	Includes radio, speaker and antenna
Air suspension seat	Provides a more comfortable ride and longer seat life
Traffic recorder	Record forklift operation and driver operation
Tire pressure monitoring	Tire pressure monitoring with warning when over pressure
Fork video monitoring system	Improve the front view of the fork
AUTOMATIC FIRE EXTINGUISHING	The pipe network type strong fire extinguishing device arranged in the interior of the frame body has an alarm function and can be started automatically or manually
Heating device for extremely cold areas	Mainly used in extremely cold regions. Recommended for north america, europe and other regions where the ambient temperature is lower than -15° c, and mandatory in areas where the ambient temperature is lower than -30 ° c

► Attachmentoptions



Fork

- Rated Load 10t, 12t, 16t, 25t, 30t, 32t, 35t, 46t
- Suitable For Large tonnage or bulk cargo
- Main Color Black



Pole Spreader

- Rated Load 10t, 12t, 16t, 25t, 30t, 32t, 35t, 46t
- Suitable For Steel coils and other roll-shaped items
- Main Color Black



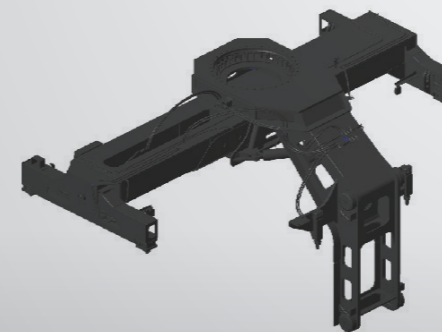
Spreader For Empty container

- Rated Load 9t
- Suitable For Large tonnage or bulk cargo
- Main Color Black



Chassis Attachments

- Rated Load 4.5t
- Suitable For Chassis
- Main Color Black



Railway Heavy-Duty Lifting Attachment

- Rated Load 38t
- Suitable For Container
- Main Color Black



PC Precast Component Attachment

- Rated Load 16t
- Suitable For PC Precast Component
- Main Color Black

► Construction Cases



► Construction Cases





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Considering the continuous progress and update of SANY Marine technology, the technical parameters and configuration of products are modified and adjusted at any time, so this brochure is for reference only. The appearance, configuration and technical parameters of the specific model are subject to the actual model sold.

— 2025 —



<https://www.linkedin.com/company/sany-port-machinery/>

www.youtube.com/@SANY_Marine

钟灏(zhongh25) 2025-03-07