

SCP100A
SCP130A
SCP160H4
SCP250H4
SCP320H4

FORKLIFT TRUCKS

SANY



INDEPENDENTLY AMERICAN

Proudly Made for America

Since 2006, SANY America has been investing in and growing across the U.S. From our 272-acre facility in Georgia, where we employ over 150 American employees, to our growing dealer network that stretches from Maine to Washington, SANY America is dedicated to building business across America.

SANY equipment is made for the U.S. and features American parts by Cummins, Dana and Parker. Our industry-leading warranty is proof of SANY's durability. With our service network and use of American-made components, SANY proudly shows continuous support to our machines and the people who operate them.

SANY America is dedicated to helping American-owned businesses thrive with our commitment to value, performance and service.

Component Brands



Service

When we say that SANY machines are built to endure, we're really talking about service. SANY equipment is intentionally designed to be easily and efficiently serviced, with features such as wide compartment doors and ground level access to make maintenance more efficient. Because ease of service means back in service.

We've Got Your Back

To provide peace of mind and ensure maximum uptime, SANY backs all its equipment with robust standard warranties. That's our commitment to keeping your fleet running at peak performance. Our network of local dealers will partner with you for routine maintenance and be there for warranty repairs. You can trust SANY to keep you moving, year-round.

**STANDARD
PRODUCT
WARRANTY**

**3-YEAR
6,000 HOURS**

The intelligent-control system monitors lifting conditions to **prevent rollovers**. The onboard **fire-suppression** system automatically engages extinguishers when flames are detected.

Safe Operation

1

Clean sight lines from the cab are enhanced by a rear-facing camera system and a sloping, sculpted counterweight. The operator has excellent forward view through the mast. The radar system allows the operator to view images that are behind the truck, as well as display the distance the object is from the rear of the truck.

Commanding Views

2

Smooth lifting of loads from 10 to 32 metric tons is aided by fuel-efficient, **load-sensing hydraulics** that dynamically match engine output to lifting demand. Lifting speeds up to 79 feet per minute ensure productivity, while the **tight turning radius** is ideal for work on crowded job sites.

Total Performance

3





The high-strength mast is anchored by massive tilt cylinders that control mast angle. High-strength steel and quality welds are evident all over the machine. Trusted, industry-leading components such as Tier 4 Cummins engines, Dana transmissions and Kessler drive axles mean all of the strength, performance and efficiency you need are built in.

4

Rugged Design

The hydraulically tilting cab and spring-enabled hood provide quick access to major components. A **large sight glass** makes it easy to check hydraulic fluid level and purity. The steer axle and mast rollers have **central grease points** for quick routine maintenance. The diesel exhaust fluid (DEF) tank is easily accessed.

Ease of Maintenance

5

On model SCP160H4 and above, piston pumps help extend the life of hydraulic hoses and components and house separate tanks for main hydraulics and brakes to prevent oil contamination, while the SCP130A offers gear pumps and a single hydraulic tank. Oversize hydraulic coolers are on all models, boosting performance and extending component life.

Reliability & Uptime

6

The **spacious, climate-controlled cab** features panoramic views, well-placed controls and displays that monitor the job site and operating/lifting conditions. **Intuitive controls** (levers or joystick) make it easy to operate the mast and carriage. The steering column is adjustable to suit operator preference. Operators will appreciate the fully adjustable Grammer seat. The displays deliver the rear-camera feed and **real-time data** on hydraulic pressure, engine RPM, speed, loads and fault codes.

First-Class Cab

7





8

SANY forklift trucks are available with **three mast** and **two carriage options** for maximum versatility. Mast types include standard, duplex full free lift, and triplex full free lift. Carriage options include the **pin-type apron-style** side-shifting carriage and hook-type dual-function **Terminal West** carriage. A range of fork sizes and attachments are available. Quick-change technology saves time when swapping attachments.

Mast & Carriage

PRODUCT

GENERAL SPECIFICATIONS

	DESCRIPTION	SERIES									
GENERAL		SCP100A		SCP130A		SCP160H4		SCP250H4		SCP320H4	
	Rated Load Capacity	22,000 lbs	10 000 kg	28,600 lbs	13 000 kg	35,274 lbs	16 000 kg	55,116 lbs	25 000 kg	70,548 lbs	32 000 kg
	Load Center	24 in	610 mm	24 in	600 mm	48 in	1 219 mm	48 in	1 220 mm	48 in	1 220 mm
	Load Distance	35 in	886 mm	34 in	869 mm	39 in	1 010 mm	44.72 in	1 136 mm	48.4 in	1 230 mm
	Wheelbase	106 in	2 700 mm	114 in	2 900 mm	148 in	3 750 mm	169 in	4 300 mm	189 in	4 800 mm
	Hydraulic Tank Capacity										
	Main	33 gal	125 l	45 gal	170 l	100 gal	380 l	100 gal	380 l	105 gal	400 l
	Brake	33 gal	125 l	-	-	39.6 gal	150 l	39.6 gal	150 l	26 gal	100 l
	Fuel Tank Capacity	43 gal	164 l	50 gal	190 l	114 gal	430 l	114 gal	430 l	105 gal	400 l
WEIGHTS	Total Truck Weight without Load	34,610 lbs	15 700 kg	37,400 lbs	16 490 kg	56,218 lbs	25 500 kg	81,350 lbs	36 900 kg	99,649 lbs	45 200 kg
	Axle Loading with Load										
	Front	53,572 lbs	24 300 kg	59,840 lbs	27 200 kg	83,074 lbs	37 682 kg	124,341 lbs	56 400 kg	166,008 lbs	75 300 kg
	Rear	3,150 lbs	1 430 kg	5,060 lbs	2 300 kg	8,417 lbs	3 818 kg	12,125 lbs	5 500 kg	10,803 lbs	4 900 kg
	Axle Loading without Load										
	Front	17,420 lbs	7 900 kg	17,358 lbs	7 890 kg	26,085 lbs	11 832 kg	40,565 lbs	18 400 kg	51,147 lbs	23 200 kg
	Rear	17,200 lbs	7 800 kg	18,920 lbs	8 600 kg	30,133 lbs	13 668 kg	40,786 lbs	18 500 kg	4,850 lbs	2 200 kg
WHEELS	Tire Type	Pneumatic									
	Tire Size										
	Drive	10 x 20 16PR				12 x 24 24PR		14 x 24 24PR		16 x 25 PR	
	Steer	10 x 20 16PR				12 x 24 24PR		14 x 24 24PR		16 x 25 PR	

★ All imperial numbers have been rounded to the nearest whole number.

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	DESCRIPTION	SERIES									
DIMENSIONS		SCP100A		SCP130A		SCP160H4		SCP250H4		SCP320H4	
	MAST										
	Tilt										
	Forward (A)	12°		12°		5°		5°		5°	
	Back (SS)	15°		15°		10°		10°		10°	
	Height Lowered	153 in	3 889 mm	143 in	3 635 mm	148 in	3 760 mm	156 in	3 950 mm	173 in	4 400 mm
	Freelift Top of Fork	0 in	0 mm	0 in	0 mm	0 in	0 mm	0 in	0 mm	0 in	0 mm
	Height Extended	226 in	5 732 mm	216 in	5 478 mm	225 in	5 710 mm	232 in	5 710 mm	250 in	6 345 mm
	OVERALL										
	Cab height	129 in	3 286 mm	129 in	3 292 mm	137.6 in	3 495 mm	141.8 in	3 603 mm	136.1 in	3 457 mm
	Length	220 in	5 584 mm	275 in	6 988 mm	318 in	8 070 mm	350 in	8 880 mm	347 in	9 528 mm
	Length to Load Face	172 in	4 364 mm	179 in	4 548 mm	223 in	5 670 mm	253 in	6 430 mm	279 in	7 090 mm
	Width Drive Tires	93 in	2 366 mm	93 in	2 366 mm	103 in	2 620 mm	122 in	3 100 mm	139 in	3 520 mm
	FORK										
	Thickness	2.95 in	75 mm	2.95 in	75 mm	3.94 in	100 mm	4.33 in	110 mm	4.92 in	125 mm
	Width	7.9 in	200 mm	7.9 in	200 mm	7.9 in	200 mm	9.8 in	250 mm	11.81 in	300 mm
	Length	48 in	1 220 mm	96 in	2 440 mm	94 in	2 400 mm	94 in	2 400 mm	96 in	2 440 mm
	CARRIAGE										
	Width	92.5 in	2 350 mm	93 in	2 366 mm	102.4 in	2 600 mm	122 in	3 100 mm	129.9 in	3 300 mm
	FORK SPREAD										
	In-In Minimum	19 in	495 mm	19 in	495 mm	27.5 in	700 mm	27.5 in	700 mm	36.2 in	920 mm
	Out-Out Maximum	88.8 in	2 255 mm	88.8 in	2 255 mm	91 in	2 310 mm	91 in	2 310 mm	112.2 in	2 850 mm
	GROUND CLEARANCE										
	Under Mast with Load	9 in	225 mm	9 in	230 mm	9.8 in	250 mm	11.8 in	300 mm	13.8 in	350 mm
	Center Wheelbase	10.7 in	272 mm	10 in	264 mm	13 in	330 mm	12.6 in	320 mm	11.81 in	300 mm
	AISLE WIDTH										
	Load Length Minimum	249 in	6 318 mm	304 in	7 728 mm	347 in	8 810 mm	347 in	8 810 mm	327 in	9 458 mm
	TURNING RADIUS										
Outside	157 in	3 997 mm	163 in	4 150 mm	201 in	5 100 mm	201 in	5 100 mm	260 in	6 600 mm	

PRODUCT

PERFORMANCE

	DESCRIPTION	SERIES										
PERFORMANCE		SCP100A		SCP130A		SCP160H4		SCP250H4		SCP320H4		
	SPEED											
	Travel											
	With Load	18.6 mph	30 km/h	18.6 mph	30 km/h	17 mph	28 km/h	16 mph	26 km/h	15.5 mph	25 km/h	
	Without Load	19 mph	31 km/h	19 mph	31 km/h	18 mph	30 km/h	18 mph	30 km/h	17 mph	28 km/h	
	Lifting											
	With Load	79 ft/min	0.4 m/s	79 ft/min	0.4 m/s	69 ft/min	0.35 m/s	49 ft/min	0.25 m/s	49 ft/min	0.25 m/s	
	Without Load	88 ft/min	0.45 m/s	88 ft/min	0.45 m/s	79 ft/min	0.4 m/s	59 ft/min	0.3 m/s	59 ft/min	0.3 m/s	
	Lowering											
	With Load	98 ft/min	0.5 m/s	98 ft/min	0.5 m/s	79 ft/min	0.4 m/s	79 ft/min	0.4 m/s	79 ft/min	0.4 m/s	
	Without Load	94 ft/min	0.48 m/s	94 ft/min	0.48 m/s	79 ft/min	0.4 m/s	79 ft/min	0.4 m/s	79 ft/min	0.44 m/s	
	DRAWBAR											
	Pull-Max	23,155 lbf	103 kN	23,155 lbf	103 kN	31,248 lbf	139 kN	39,550 lbf	176 kN	39,550 lbf	176 kN	
	GRADEABILITY @ 1 MPH (1.6 KM/H)											
	With Load	31%		30%		33%		29%		26%		
	Without Load	31%		35%		55%		59%		54%		

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	DESCRIPTION	SERIES										
POWERTRAIN		SCP100A		SCP130A		SCP160H4		SCP250H4		SCP320H4		
	ENGINE											
	Type	Cummins Diesel		Cummins Diesel		Cummins Diesel		Cummins Diesel		Cummins Diesel		
	Output											
	Rated	225 hp	168 kW	225 hp	168 kW	260 hp	194 kW	225 hp	168 kW	260 hp	194 kW	
	Peak	230 hp	172 kW	230 hp	172 kW	270 hp	201 kW	230 hp	172 kW	270 hp	201 kW	
	Governed Speed	2,200 rpm		2,200 rpm		2,200 rpm		2,200 rpm		2,200 rpm		
	Cylinders											
	Number	6		6		6		6		6		
	Disp	6.7l		6.7l		6.7l		6.7l		6.7l		
	Turbocharger	Water-cooled variable geometry		Water-cooled variable geometry		Water-cooled variable geometry		Water-cooled variable geometry		Water-cooled variable geometry		
	ALTERNATOR											
	AMPS	24V	95A	24V	95A	24V	95A	24V	95A	24V	95A	
	DRIVE AXLE	Kessler D-81		Kessler D-91		Kessler D-91		Kessler D-91		Kessler D-91		
	TRANSMISSION	HR32334		HR32334		HR32334		HR32334		HR32334		
	GEARS											
	Forward	3		3		3		3		3		
	Reverse	3		3		3		3		3		
	BATTERY											
	Capacity	2 x 12 V 165 Ah CCA		2 x 12 V 165 Ah CCA		2 x 12 V 165 Ah CCA		2 x 12 V 165 Ah CCA		2 x 12 V 165 Ah CCA		
	BRAKES											
		Wet Disc		Wet Disc		Wet Disc		Wet Disc		Wet Disc		
	Parking	Dry Disc		Dry Disc		Dry Disc		Dry Disc		Dry Disc		
	TANK CAPACITY											
DEF	5 gal	19 l	5 gal	19 l	5 gal	19 l	5 gal	19 l	5 gal	19 l		

PRODUCT

MAST

	DESCRIPTION	SERIES									
MAST		SCP100A		SCP130A		SCP160H4		SCP250H4		SCP320H4	
	TYPE	Duplex w/o Freelift		Duplex w/o Freelift		Duplex w/o Freelift		Duplex w/o Freelift		Duplex w/o Freelift	
	FORK										
	Height *Maximum	148 in 196 in 236 in	3 761 mm 5 000 mm 6 000 mm	148 in 196 in 236 in 256 in	3 760 mm 5 000 mm 6 000 mm 6 500 mm	118 in 137 in 157 in 177 in 196 in 216 in 236 in 256 in 275 in	3 000 mm 3 500 mm 4 000 mm 4 500 mm 5 000 mm 5 500 mm 6 000 mm 6 500 mm 7 000 mm	118 in 137 in 157 in 177 in 196 in 216 in 236 in 256 in 275 in	3 000 mm 3 500 mm 4 000 mm 4 500 mm 5 000 mm 5 500 mm 6 000 mm 6 500 mm 7 000 mm	157 in 177 in 196 in 216 in 236 in 256 in 275 in	4 000 mm 4 500 mm 5 000 mm 5 500 mm 6 000 mm 6 500 mm 7 000 mm
	*OALH	153 in 177 in 197 in	3 890 mm 4 510 mm 5 010 mm	143 in 167 in 188 in 198 in	3 635 mm 4 230 mm 4 780 mm 5 030 mm	128 in 138 in 148 in 158 in 168 in 178 in 187 in 197 in 207 in	3 260 mm 3 510 mm 3 760 mm 4 010 mm 4 260 mm 4 510 mm 4 760 mm 5 010 mm 5 260 mm	136 in 146 in 156 in 166 in 176 in 185 in 195 in 205 in 215 in	3 460 mm 3 710 mm 3 960 mm 4 210 mm 4 460 mm 4 710 mm 4 960 mm 5 210 mm 5 460 mm	172 in 182 in 192 in 201 in 211 in 221 in 231 in	4 360 mm 4 610 mm 4 860 mm 5 110 mm 5 360 mm 5 610 mm 5 860 mm
	*Extended	226 in 274 in 314 in	5 740 mm 6 960 mm 7 976 mm	216 in 263 in 306 in 328 in	5 480 mm 6 680 mm 7 780 mm 8 280 mm	185 in 205 in 225 in 244 in 264 in 284 in 304 in 323 in 343 in	4 710 mm 5 210 mm 5 710 mm 6 210 mm 6 710 mm 7 210 mm 7 710 mm 8 210 mm 8 710 mm	193 in 213 in 232 in 252 in 272 in 292 in 311 in 331 in 351 in	4 905 mm 5 405 mm 5 905 mm 6 405 mm 6 905 mm 7 405 mm 7 905 mm 8 405 mm 8 905 mm	248 in 268 in 288 in 308 in 327 in 347 in 367 in	6 305 mm 6 805 mm 7 305 mm 7 805 mm 8 305 mm 8 805 mm 9 305 mm
	*Freelift	-	-	-	-	-	-	-	-	-	-

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Attachment Options

Models SCP100A | SCP130A | SCP160H4 | SCP250H4 | SCP320H4

Forks



Rated Capacity:

10t, 16t, 18t, 25t, 28t, 30t, 32t, 35t, 46t

Application: Large tonnage cargo, bulk cargo

Coil Ram



Rated Capacity:

10t, 16t, 18t, 25t, 28t, 30t, 32t, 35t, 46t

Application: Rolled cargo such as steel coil, wire, paper, etc.

Truck Chassis Handler



Rated Capacity: 4.5t

Application: Container chassis

Clamp



Rated Capacity:

10t, 16t, 18t, 25t, 28t, 30t, 32t, 35t, 46t

Application: Timber

Container Spreader



Rated Capacity: 9t

Application: ISO 20'/40' containers

PC Prefabrication Unit Attachment



Rated Capacity: 16t

Application: PC prefabrication unit

Main frame color for all attachments: Engineering black



Equipment That Tackles Any Job.

SANY equipment is made to take on your toughest jobs, day in and day out. Find features and capabilities that others charge extra for offered standard to make sure you get machines that get the job done.



Based in Atlanta

SANY America headquarters in Atlanta, Georgia features over 340,000 square feet of manufacturing space and 60,000 square feet of office space, and is home to the service and support teams for all SANY equipment.



SANY America, Inc.
318 Cooper Circle
Peachtree City | GA 30269
| T | 470-552-SANY

***WARRANTY APPLIES TO 2022 MODELS**

PORPB22FLT001

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