

SDCY90K6H4
SDCY90K7H4
SDCY90K8H4

EMPTY CONTAINER HANDLERS

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
3,000 HOURS**

Vertical twistlocks on the spreader increase reliability. This attachment can pick off both 20' and 40' empty containers with ease. Lights will illuminate on the spreader and in the cab telling the operator the positioning of the twistlocks. Other spreader options are available upon request.

Spreader Attachment

1

SANY's intelligent-control system offers operators the advantage of knowing the percentage of maximum capacity being used with every container move which helps eliminate overloading. The on-board fire suppression system is mounted in the engine compartment to protect the operator and the unit in case a thermal event occurs. Back up cameras and sensors come standard on every machine.

Safe Operation

2

We have some of the fastest performing empty container handlers in the industry. Smooth lifting and lowering allow operators to be in full control of every container move. A powerful piston pump "Power on Demand" system, by which all moves are controlled, only pumps hydraulic fluids as required. Such a system eliminates unnecessary heat from the lifting circuit, prolonging the life of the hydraulic components.

Performance

3





4

Clean sight lines from the cab are enhanced by a rear-facing camera system and a sloping, sculpted counterweight. The machine is designed for all-around panoramic views and allows the operator additional unrestricted views through the wide mast opening and while looking upward through the glass top.

Commanding Views

5

The more comfortable the operator is, the more throughput you will get. That is why our spacious cab boasts an intuitive joystick for precise container control. The wide suspension seat keeps operators comfortable on long shifts and the A/C keeps them cool in warm, southern ports.

Ergonomic Cabin



Separate hydraulic tanks for the brakes and main lifting circuit are contributors to the excellent reliability. By keeping the fluid separate, it reduces the risk of contaminating the piston pump. Such a design allows the fluids to continue to run cooler. Leaks from hoses and valves will be greatly reduced as a result of the cooler running temperatures.

Reliability and Uptime

6





An abundance of thought has gone into machine serviceability. There are no special tools or computers needed to trouble shoot issues. The operator can view all codes through the monitor located near the right console. Daily checks can be completed quickly with the convenient layout of the visual check points for the engine oil, transmission fluid, and hydraulic fluid.

7

Ease of Maintenance

PRODUCT

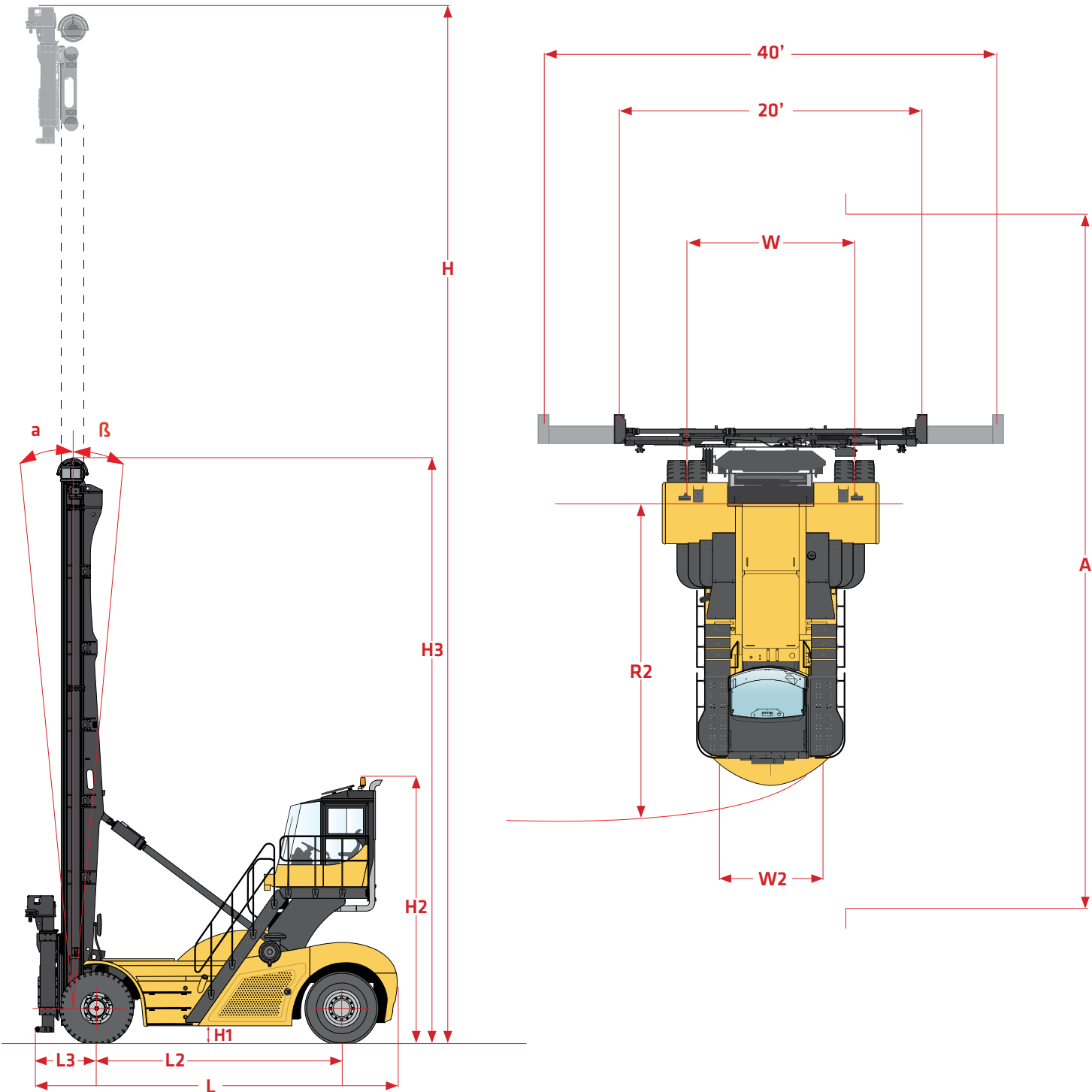
SPECIFICATIONS

		DESCRIPTION	MODELS					
GENERAL			SDCY90K6H4		SDCY90K7H4		SDCY90K8H4	
		Rated Load Capacity	19,800 lbs	9,000 kg	19,800 lbs	9,000 kg	19,800 lbs	9,000 kg
	L1	Load Center	48 in	1,220 mm	48 in	1,220 mm	48 in	1,220 mm
	L3	Load Distance	45 in	1,143 mm	45 in	1,143 mm	45 in	1,143 mm
	L2	Wheelbase	179 in	4,550 mm	179 in	4,550 mm	179 in	4,550 mm
		Hydraulic Tank Capacity						
		Main	100 gal	380 l	100 gal	380 l	100 gal	380 l
		Brake	24 gal	90 l	24 gal	90 l	24 gal	90 l
		Fuel Tank Capacity	132 gal	500 l	132 gal	500 l	132 gal	500 l
WEIGHTS		Total Truck Weight without Load	84,700 lbs	38,500 kg	88,000 lbs	40,000 kg	90,200 lbs	41,000 kg
		Axle Loading with Load						
		Front	82,164 lbs	37,269 kg	84,567 lbs	38,359 kg	86,972 lbs	39,450 kg
		Rear	24,165 lbs	10,961 kg	23,966 lbs	10,871 kg	23,766 lbs	10,780 kg
		Axle Loading without Load						
		Front	51,835 lbs	23,512 kg	54,238 lbs	24,602 kg	56,643 lbs	25,693 kg
		Rear	34,652 lbs	15,718 kg	34,454 lbs	15,628 kg	34,253 lbs	15,537 kg
WHEELS		Tire Type	Pneumatic					
		Tire Size						
		Drive	14 x 24 28 Ply					
		Steer	14 x 24 28 Ply					
DIMENSIONS		Mast Tilt, Fwd/Back (a/B)	2 / 4					
	H3	Mast Height Lowered	379 in	9,626 mm	428 in	10,871 mm	484 in	12,293 mm
	H	Mast Height Extended	651 in	16,535 mm	757 in	19,227 mm	859 in	21,818 mm
	H2	Cab Height	194 in	4,940 mm	194 in	4,940 mm	194 in	4,940 mm
	L	Overall Length	272 in	6,910 mm	272 in	6,910 mm	272 in	6,910 mm
	W	Track Width Drive Tires	129 in	3,276 mm	129 in	3,276 mm	129 in	3,276 mm
	W2	Track Width Steer Tires	85 in	2,159 mm	85 in	2,159 mm	85 in	2,159 mm
	W1	Spreader Width Extended / Retracted	238 / 479 in	6,045 / 12,166 mm	238 / 479 in	6,045 / 12,166 mm	238 / 479 in	6,045 / 12,166 mm
	H1	Ground Clearance Under Mast with Load	11.8 in	300 mm	11.8 in	300 mm	11.8 in	300 mm
	A	Minimum Aisle Width 20' / 40'	394 / 551 in	10,000 / 13,995 mm	394 / 551 in	10,000 / 13,995 mm	394 / 551 in	10,000 / 13,995 mm
	R2	Outside Turning Radius	236 in	5,994 mm	236 in	5,994 mm	236 in	5,994 mm

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

In the interest of continual equipment development, SANY America, Inc. reserves the right to change these specifications at any time without prior notification.

DIMENSIONS



PRODUCT

SPECIFICATIONS

	DESCRIPTION	MODELS	
PERFORMANCE T4		SDCY90K6H4 / SDCY90K6H4 / SDCY90K6H4	
	Travel Speed		
	with Load	13 mph	21 km/h
	without Load	16 mph	25 km/h
	Lifting Speed		
	with Load	88 ft/m	0.44 m/s
	without Load	118 ft/m	0.60 m/s
	Lowering Speed		
	with Load	118 ft/m	0.60 m/s
	without Load	108 ft/m	0.55 m/s
	Drawbar Pull-Max	33,721 lbs	150 kN
	Gradeability @ 1 mph (1.6 km/h)		
	with Load	25%	
	without Load	35%	

	DESCRIPTION	T4	
POWERTRAINS	POWER TYPE	Diesel	
	ENGINE MANUFACTURER	Cummins	
	ENGINE OUTPUT-RATED	225 hp	167 kW
	GOVERNED SPEED	2,200 rpm	
	NUMBER OF CYLINDERS / DISPLACEMENT	6 / 6.7 #/l	
	MAXIMUM ENGINE TORQUE	770 lb-ft	1,043 N-m
	TURBOCHARGER	Water-Cooled Variable Geometry	
	ALTERNATOR	24V 95A Amps	
	DRIVE AXLE	Kessler D-81	
	TRANSMISSION	HR32,000	
	NUMBER OF GEARS FWD / REV	3 / 3	
	BATTERY CAPACITY	2x12 / 165Ah V/CCA	
	BRAKES	Wet Disc	
	PARKING BRAKE	Dry Disc	
	DEF TANK CAPACITY	10 gal	38 l

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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.

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***WARRANTY APPLIES TO 2021 MODELS**

PORPB21ECH001

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