PRODUCT **SPECIFICATIONS**



EMPTY CONTAINER HANDLER SDCY90K6H4



STANDARD FEATURES

- Safety features include LED work light package, alarm system, reverse camera, object detection system and a dry chemical fire suppression system
- Components from brands you know and trust including Cummins, Dana, Kessler, and Parker
- Powered Pile Slope and vertical twist-lock on the spreader
- **Elevated Cab**

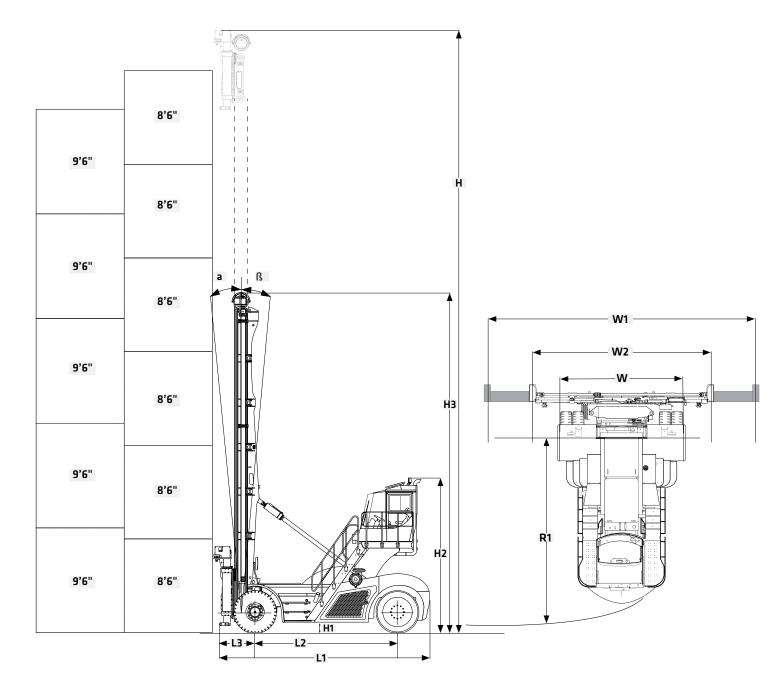
19,800 lbs

Max. Load

179"

Wheelbase

6/5 (8'6" / 9'6") Stacking Height



PRODUCT **SPECIFICATIONS EMPTY CONTAINER HANDLER** ||| **SDCY90K6H4**



s = standard / **o** = optional

SDCY90K6H4 ENGINE Cummins QSB6.7 EPA Diesel Engine with 225HP Tier 4 Final EPA Emissions Compliant \$ 24V, 95A Alternator \$ High Intake, Long Life Air Filter w/ Safety Element \$ Automatic Fire Extinguisher \$ Exhaust Outlet Above Cabin HYDRAULIC SYSTEM \$ Efficient Load Sensing Hydraulic System \$ Optimized Automatic Throttle Up During Lifting Operations \$ SDJ90II 20'/40' Container Spreader for Single Stack ISO Containers \$ Spreader Equipped with Powered Pile Slope \$ Side Shift up to 24" in Both Directions \$ Hydraulic Accumulator on Lift Circuit \$ Spreader Twist Lock Indicator Lights DRIVETRAIN \$ Dana HR3200 Powershift Transmission \$ 3 FWD 6 3 REV Gears \$ Kessler D81 Planetary Drive Axle w/ Wet Brakes \$ 14.00 x 24, 28 Ply Drive and Steer Pneumatic Tires ACCESSORIES \$ Locking Fuel Cap \$ Cold Climate System: For Temperatures Down to -22*F \$ Empty Seat Shut Down (Factory Preset is 15 Minutes) \$ Coperator, Service and Parts Manuals (English) \$ Electric Horn \$ Wide Angle Mirrors Twist Lock Counter	s = Standard / o = Optional			
s Tier 4 Final EPA Emissions Compliant s 24V, 95A Alternator s High Intake, Long Life Air Filter w/ Safety Element s Automatic Fire Extinguisher s Exhaust Outlet Above Cabin HYDRAULIC SYSTEM s Efficient Load Sensing Hydraulic System optimized Automatic Throttle Up During Lifting Operations s Optimized Automatic Throttle Up During Lifting Operations s SDJ90II 20'/40' Container Spreader for Single Stack ISO Containers s Spreader Equipped with Powered Pile Slope s Side Shift up to 24" in Both Directions Hydraulic Accumulator on Lift Circuit s Spreader Twist Lock Indicator Lights DRIVETRAIN s Dana HR3200 Powershift Transmission s 3 FWD 6 3 REV Gears Kessler D81 Planetary Drive Axle w/ Wet Brakes 14.00 x 24, 28 Ply Drive and Steer Pneumatic Tires ACCESSORIES Locking Fuel Cap Cold Climate System: For Temperatures Down to -22°F mpty Seat Shut Down (Factory Preset is 15 Minutes) Lockable Battery Disconnect s Operator, Service and Parts Manuals (English) Electric Horn Wide Angle Mirrors	SDCY90K6H4	ENGINE		
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 s Operator, Service and Parts Manuals (English) s Electric Horn s Wide Angle Mirrors 	0	Empty Seat Shut Down (Factory Preset is 15 Minutes)		
s Electric Horn s Wide Angle Mirrors	S	Lockable Battery Disconnect		
s Wide Angle Mirrors	S	Operator, Service and Parts Manuals (English)		
	S	Electric Horn		
o Twist Lock Counter	S	Wide Angle Mirrors		
	0	Twist Lock Counter		



*Warranty applies to 2023 Forklift, Container Handler and Reach Stacker models only.

PRODUCT **SPECIFICATIONS EMPTY CONTAINER HANDLER ||| \$DCY90K6H4**



$\mathbf{s} = \text{standard} / \mathbf{o} = \text{optional}$

SDCY90K6H4 OPERATOR'S STATION s Enclosed High Visibility Cabin s High Mounted Cabin s Mechanical Full Suspension Cloth Seat (Grammer) o Air Ride, Full Suspension Cloth Seat (Grammer) s Stair Wells Leading to Both Sides of Cabin s Ergonomic Multi-Function Joy Stick s Intuitive Display Panel s Steering Wheel w/ Spinner Knob s 24V to 12V DC/DC Converter s Rubber Floor Mat s Operator Presence and Restraint System s Rubber Mount Isolators to Reduce Cabin Vibrations s Automatic Climate Control with A/C and Heat s Reverse Camera w/ 7" Display s Object Detection Sensor up to 10' in Reverse Direction o Object Detection Sensor up to 16' in Reverse Direction s Telescoping and Tilting Steering Column s Front, Top and Rear Wipers s Recirculation Fan		
s High Mounted Cabin s Mechanical Full Suspension Cloth Seat (Grammer) o Air Ride, Full Suspension Cloth Seat (Grammer) s Stair Wells Leading to Both Sides of Cabin s Ergonomic Multi-Function Joy Stick s Intuitive Display Panel s Steering Wheel w/ Spinner Knob s 24V to 12V DC/DC Converter s Rubber Floor Mat s Operator Presence and Restraint System s Rubber Mount Isolators to Reduce Cabin Vibrations s Automatic Climate Control with A/C and Heat s Reverse Camera w/ 7" Display s Object Detection Sensor up to 10' in Reverse Direction o Object Detection Sensor up to 16' in Reverse Direction s Telescoping and Tilting Steering Column s Front, Top and Rear Wipers		
s Mechanical Full Suspension Cloth Seat (Grammer) o Air Ride, Full Suspension Cloth Seat (Grammer) s Stair Wells Leading to Both Sides of Cabin s Ergonomic Multi-Function Joy Stick s Intuitive Display Panel s Steering Wheel w/ Spinner Knob s 24V to 12V DC/DC Converter s Rubber Floor Mat s Operator Presence and Restraint System s Rubber Mount Isolators to Reduce Cabin Vibrations s Automatic Climate Control with A/C and Heat s Reverse Camera w/ 7" Display s Object Detection Sensor up to 10' in Reverse Direction o Object Detection Sensor up to 16' in Reverse Direction s Telescoping and Tilting Steering Column s Front, Top and Rear Wipers		
Air Ride, Full Suspension Cloth Seat (Grammer) Stair Wells Leading to Both Sides of Cabin Ergonomic Multi-Function Joy Stick Intuitive Display Panel Steering Wheel w/ Spinner Knob 24V to 12V DC/DC Converter Rubber Floor Mat Operator Presence and Restraint System Rubber Mount Isolators to Reduce Cabin Vibrations Automatic Climate Control with A/C and Heat Reverse Camera w/ 7" Display Object Detection Sensor up to 10' in Reverse Direction Object Detection Sensor up to 16' in Reverse Direction Telescoping and Tilting Steering Column Front, Top and Rear Wipers		
s Stair Wells Leading to Both Sides of Cabin s Ergonomic Multi-Function Joy Stick s Intuitive Display Panel s Steering Wheel w/ Spinner Knob s 24V to 12V DC/DC Converter s Rubber Floor Mat s Operator Presence and Restraint System s Rubber Mount Isolators to Reduce Cabin Vibrations s Automatic Climate Control with A/C and Heat s Reverse Camera w/ 7" Display s Object Detection Sensor up to 10' in Reverse Direction o Object Detection Sensor up to 16' in Reverse Direction s Telescoping and Tilting Steering Column s Front, Top and Rear Wipers		
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 S Object Detection Sensor up to 10' in Reverse Direction O Object Detection Sensor up to 16' in Reverse Direction S Telescoping and Tilting Steering Column S Front, Top and Rear Wipers 	Automatic Climate Control with A/C and Heat	
 Object Detection Sensor up to 16' in Reverse Direction Telescoping and Tilting Steering Column Front, Top and Rear Wipers 	Reverse Camera w/ 7" Display	
 Telescoping and Tilting Steering Column Front, Top and Rear Wipers 	Object Detection Sensor up to 10' in Reverse Direction	
s Front, Top and Rear Wipers	Object Detection Sensor up to 16' in Reverse Direction	
	Telescoping and Tilting Steering Column	
e Perinculation Fan	Front, Top and Rear Wipers	
- Necirculation Fall		
s Top Sun Shade		
o Training Seat		
• Additional Hour Meter (Located in Dash)		
o Reading Light		
o 12V - 10A Power Supply	12V - 10A Power Supply	
• Radio System (Includes Radio, Speakers and Antenna)	Radio System (Includes Radio, Speakers and Antenna)	
o Auxiliary Equipment Mounting Shelf	Auxiliary Equipment Mounting Shelf	
ELECTRICAL		
s 2 Front Facing Fender Mounted LED Lights		
s 4 Forward Facing Cabin Mounted LED Work Lights		
s 2 Rear Facing Mast Mounted LED Lights		
s 4 Spreader Mounted LED Lights		
s Indicator and Hazard Lights		
s Rotating Amber Beacon on Boom		



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PRODUCT SPECIFICATIONS EMPTY CONTAINER HANDLER | SDCY90K6H4

SPECIFICATIONS		
GENERAL		
Stacking Height	8'6"/9'6"	7/6 High
Load Capacity	19,800 lbs	9 000 kg
Load Center	48"	1 220 mm
Load Distance	45"	1 143 mm
Wheelbase	179"	4 550 mm
Hydraulic Tank Capacity		
Main	100 gal	380 I
Brake	24 gal	90 I
Fuel Tank Capacity	132 gal	500 I
WEIGHTS		
Total Truck Weight w/o Load	84,700 lbs	38 500 kg
Axle Loading with Load		
Front	82,160 lbs	37 270 kg
Rear	24,160 lbs	10 960 kg
Axle Loading without Load		
Front	51,830 lbs	23 510 kg
Rear	34,660 lbs	15 720 kg
WHEELS		
Tire Type	Pneumatic	
Tire Size		
Drive	14.00-2	4 28 Ply
Steer	14.00-2	4 28 Ply

PERFORMANCE			
SPEED			
Travel			
With Load	15 mph	24 km/h	
Without Load	16 mph	26 km/h	
Lifting			
With Load	108 ft/min	0.55 m/s	
Without Load	118 ft/min	0.60 m/s	
Lowering			
With Load	118 ft/min	0.60 m/s	
Without Load	108 ft/min	0.55 m/s	
DRAWBAR			
Pull-Max	33,721 lbf	150 kN	
GRADEABILITY @ 1 MPH (1.6 KM/H)			
With Load	25	%	

^{*} All imperial numbers have been rounded to the nearest whole number.

Ratings are based on ISO 10567:2007. Lift capacity does not exceed 75% of tipping load with the machine on firm, level ground or 87% of hydraulic lifting capacity.

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



SANY America Inc. 318 SANY Way Peachtree City, Georgia 3026! 470.552.SANY

POWERTRAIN			
ENGINE			
Туре	Cummins	Cummins Diesel	
Output			
Rated	225 hp	167 kW	
Governed Speed	2,200	2,200 rpm	
Number of Cylinders	6		
Displacement	6.7 L		
Turbocharger	Water-cooled Variable Geometry		
Alternator	24V	95A	
Drive Axle	Kessler D81		
TRANSMISSION			
Model Number	Dana HR32,000		
Forward	3		
Reverse	3		
BATTERY			
Capacity	2 x 12 V 165 Ah		
BRAKES			
Service	Wet [Disc	
Parking	Dry Disc		
TANK CAPACITY			
DEF	10 gal	38 I	

STANDARD MAST & SPREADER			
Mast Type	Duplex		
Free Lift Height			
Lift Height, Under Twistlocks Max.	632"	16 050 mm	
Lift Height, Under Twistlocks Min.	87"	2 200 mm	
Mast Height Lowered	379"	9 626 mm	
Mast Height Extended, Top of Spreader	651"	16 535 mm	
Spreader Adjustment, Min. / Max.	238-480"	6 053 / 12 185 mm	
Sideshift Distance	24"	+/- 600 mm	
Pile Slope Type	Powered		
Pile Slope	+/- 5°		
Slewing	+/- 3°		

	DIMENSIONS		
	Mast Tilt, Fwd/Back (a/ß)		2°/4°
н	Mast Height Extended	651"	16 535 mm
H1	Minimum Ground Clearance	11.8"	300 mm
H2	Cab Height	194"	4 940 mm
НЗ	Mast Height Lowered	379"	9 626 mm
L1	Overall Length	272"	6 910 mm
L2	Wheelbase	179"	4 550 mm
L3	Load Distance	45"	1 143 mm
W	Overall Width w/o Spreader	162"	4 110 mm
W1	Spreader Width Extended	238"	6 045 mm
	Minimum Aisle Width 40'	551"	13 955 mm
W2	Spreader Width Retracted	479"	12 166 mm
	Minimum Aisle Width 20'	394"	10 000 mm
R1	Outside Turning Radius	236"	5 994 mm