

SINGLE DRUM ROLLER



SSR120C-8

STANDARD FEATURES

- Components from brands you trust like Cummins engines and Danfoss hydraulic motors for dependable performance
- Clear lines of sight, back up camera and air suspension seat offer operator comfort and job site safety
- Pad foot shell kit comes standard
- ROPS/FOPS Certified

145 hp

Net Power

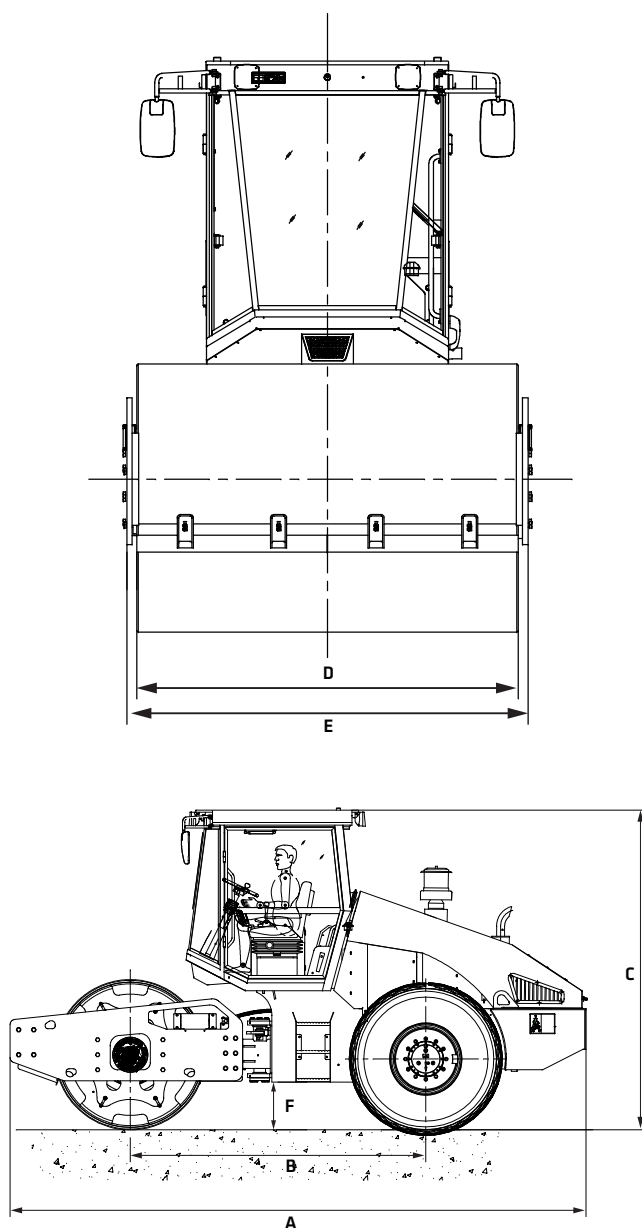
25,814 lbs

Operating Weight

84"

Drum Width

DIMENSIONS



OVERALL DIMENSIONS

A	Overall Length	18' 10"	5 750 mm
B	Wheelbase	9' 8"	2 950 mm
C	Overall Height Smooth Drum	10' 6"	3 190 mm
C	Overall Height with Padfoot	11' 1"	3 390 mm
D	Drum Width	84"	2 130 mm
E	Overall Width	7' 4"	2 240 mm
F	Ground Clearance	18.9"	480 mm
	Drum Diameter	59.1"	1 500 mm
	Drum Shell Thickness	1.0"	25 mm
	Inside Turning Radius	12' 1"	3 670 mm
	Min. Outside Turning Radius	19' 1"	5 800 mm
	Curb Clearance	18.5"	470 mm



STANDARD FEATURES

s = standard

SSR120C-8	POWERTRAIN
s	QSB4.5 Cummins T4F
s	U.S. EPA Tier 4 Final / EU Stage V emissions standards
s	Three speed throttle switch
s	Dual-element dry air filter
s	Electronic engine control
s	High torque drum drive reducer
s	Fuel filter with water separator
s	Full-flow oil filter
s	Turbocharger with charge air cooler
s	500-hour engine oil change interval
s	Engine air precleaner
VIBRATORY SYSTEM	
s	Smooth drum
s	Dual amplitude, dual frequency
s	Dual adjustable steel smooth drum scrapers
s	Dual adjustable steel padfoot drum scrapers
s	Padfoot shell kit
ELECTRICAL	
s	24 volt electrical system
s	Ground level electrical disconnect (lockout tag out)
s	850 cold cranking amps battery capacity
s	Positive-terminal battery covers
s	Rearview camera
s	Back-up alarm
s	Emergency stop
s	Rotating beacon light
s	Halogen work lights
s	Indicator and hazard lights all LED



STANDARD FEATURES

s = standard

SSR120C-8	OPERATOR'S STATION
s	Open platform with handrails/guardrails
s	AM/FM radio with USB charging and Bluetooth® connectivity
s	Seatbelt
s	ROPS/FOPS cab
s	12 and 24v outlets 60 watt 5 amp
s	Deluxe heated air suspension cloth seat with adjustable armrests
s	Heavy-duty floor mat
s	Front windshield wiper with variable speeds
s	Illuminated gauge: diesel exhaust fluid, engine coolant, and fuel levels
s	Horn
s	Hour meter, electric
s	Internal rearview mirror
s	External rearview mirrors
s	Sunvisor
s	Adjustable, tilting steering wheel
s	Multifunction, color LCD monitor with: diagnostic capability / multiple-languages
s	Single lever control for travel and vibration
s	Engine check, engine coolant temperature indicator
s	Light with audible alarm, engine oil pressure indicator light with audible alarm, low-alternator charge indicator light, low-fuel indicator light, low DEF indication with audible alarm, fault code alert indicator, fuel rate display, wiper-mode indicator, work lights on indicator, and work-mode indicator
s	Air-suspension, heated seat
s	Hydraulic oil filter restriction indicator light
s	Cup holder
s	Interior lighting
s	Protection screens for cab front, rear, and side

PRODUCT SPECIFICATIONS ROLLER ||| SSR120C-8

MACHINE PARAMETERS

ENGINE

Engine Model	Cummins QSB4.5	
Emission	T4f	
Rated Gross Power	160 HP @ 2,200 RPM	162.2 MHP @ 36.67 Hz
Rated Net Power	145 HP @ 2,200 RPM	147.01 HP @ 36.67 Hz
Max Torque	460 lb-ft	624 N.m
Low Idle / High Idle	700 RPM / 2,386 RPM	11.67 Hz / 39.77 Hz
Displacement	1.2 gal	4.5 L
Stroke	4.89"	124 mm
Bore	4.21"	107 mm
# of Cylinders	4	
Max. Travel Speed	0~2.6/0~3.2 mph; 0~4.4/0~6.2 mph 0~4.1/0~5.2 km/h; 0~7.1/0~10 km/h	

WEIGHTS

Operating Weight	25,814 lbs	11 709 kg
Weight at Drum	14,350 lbs	6 509 kg
Weight at Axle	11,464 lbs	5 200 kg
Weight with Padfoot Kit	29,121 lbs	13 209 kg

ELECTRICAL

Battery	Model	6-QW-120MF
	Voltage	12V
	CCA	850 Amp
	Capacity	120 Ah
	Amp	70 Amp
Alternator	Voltage	24V
	Voltage	12V
Power Outlet	Voltage	12V
	USB	12V

VIBRATORY SYSTEM

Frequency	32 / 36 Hz	
Amplitude	1.8 / 0.9	
Static Linear Load	188 lb/in	329 N/cm
Centrifugal Force	62,947 / 40,016 lb	280 / 178 kN

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

DRIVE SYSTEM

Tires	23.1-26-8PR	
Parking Brakes	3~3.5 Psi	2~2.4 MPa
Gradeability Smooth Drum	40%	
Gradeability Padfoot	30%	
Articulation	+/- 35°	
Oscillation Angle	+/- 8°	

SERVICEABILITY AND FILL CAPACITIES

Fuel Tank	52.8 gal	200.0 L
DEF Tank	5.0 gal	19.0 L
Cooling System	10.5 gal	39.7 L
Hydraulic Tank	31.7 gal	120.0 L
Engine Oil (with filter)	5.6 gal	21.0 L
Vibratory Drum	2.6 gal	10.0 L
Drum Final Drive (Reducer)	1.6 gal	6.0 L
Axle Final Drives	0.5 gal	1.8 L
Rear Axle	5.3 gal	20.0 L
Travel Bearing (Grease)	0.9 gal	3.4 L

SOUND LEVEL

Operator's Ear in the Cab	82 db
External	108 db

PADFOOT SHELL KIT

# of Pads	108	
Pad Height	3.9 in	100 mm
Pad Face Area	11.5 in²	74 cm²

SANY

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*Warranty applies to 2023 Crane, Telehandler, Grader and Roller models only.