



# SW50

## TECHNICAL SPECIFICATIONS

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Dimensions		
Overall length (basic vehicle)	3225 mm	127 in
Overall length (w/ straight blade no spreader)	4089 mm	161 in
Overall length (w/ V-plow no spreader)	4698 mm	185 in
Overall length (w/ snowblower)	4267 mm	168 in
Overall length (w/ snowblower and sandspreader .3 m <sup>3</sup> )	4795 mm	189 in
Overall width	1285 mm	50.5 in
Overall height	2337 mm	92 in
Ground clearance	249 mm	9.8 in
Performance		
Maximum speed	30 km/h	19 mph
Weight (w/ tracks)	3061 kg	6749 lb
Weight (w/ tracks & straight blade)	3333 kg	7349 lb
Weight (w/ tracks & snowblower)	4025 kg	8874 lb
Engine		
Make	Caterpillar	
Model	C3.6	
Type	Turbo diesel, electronic fuel system	
Emission	EPA Tier 4 Final / EU Stage V	
Exhaust gas treatment module	Diesel oxydation catalyst, diesel particulate filter and selective catalytic reduction system	
Number of cylinders	4	
Displacement	3.6 L	219.6 in <sup>3</sup>
Power @ 2200 RPM	74.5 kW	100 HP
Torque @ 1500 RPM	450 N•m	332 lb•ft
Engine block heater	Yes	
Glow plug starting aid	Yes	
Power Train		
Hydraulic Pumps and Motors	Bosch Rexroth	
Control & Electronics		
Type	Microprocessor with color display	
Other features	Steering wheel, progressive F-N-R lever, speed pedal. Independent control of each track, anti-stall, automatic steer correction and auto-calibration	
Electrical		
Alternator	12 V - 100 Amps	
Battery	1 x 950 CCA	
Suspension		
Front	Adjustable air suspension with hydraulic damper	
Rear	Tandem	
Wheels		
Quantity	6	
Type	Solid	
Dimensions (front)	141 mm x 552 mm	5.6 in x 21.75 in
Dimensions (rear)	141 mm x 610 mm	5.6 in x 24 in
Tracks		
Type	Metal embedded rubber track (endless)	
Width	350 mm	13.8 in
Tensionner	Grease actuated cylinder	

Chassis		
Toboggan welded with acces panels		
Service Refill Capacities		
Diesel Fuel Tank capacity	100 L	26,4 US gal
Hydraulic system	30 L	7,9 US gal
Final drive (2)	1,3 L	0,3 US gal
DEF	19 L	5 US gal
Hydraulic system		
Front Hydraulic Flow @ 1400 RPM	13,6 l/min	3,6 gpm
Rear Hydraulic Max Flow	15,1 l/min	4 gpm
Quick Attach System (optional)		
Quick-mount attachment system SAE skidsteer with tilt cylinder		
Cab (standard)		
One-person insulated cab with integrated roll over protective structure (R.O.P.S. ISO 3471) certification		
Electric power tilt cab		
3-point seat belt		
Adjustable seat with suspension		
Heater-defroster with adjustable temperature, fan control and fresh air intake		
Front wiper with low, high and intermittent modes		
Rear windshield wiper		
Rear windshield defroster		
Dome light		
2 front halogen lights with flashers		
Signal light system		
1 rear halogen light		
Brake and parking lights		
Beacon light with protective guard		
Electric joystick for front implement control		
Radio AM/FM-MP3 / Bluetooth with speakers		
Cab access step		
Other equipment (standard)		
Electric horn		
Emergency parking brake with automatic application upon door opening		
Back-up alarm		
Parts, Service and Operator's Manuals		
PRINOTH dashboard		
Gauges and Indicators	Warning lamps and buzzers	Warning lights
Hourmeter	Engine high temperature	Parking brake indicator
Fuel level	Engine low oil pressure	Transmission neutral position
Tachometer	High hydrostatic temperature	Engine warning light
Hydrostatic oil temperature	Low hydrostatic oil level	Engine "wait to start" light
Neutral indicator	Parking brake indicator	Engine stop light
Engine oil pressure	Low fuel level	Low battery voltage
Engine coolant temperature	Engine and transmission fault	
Voltmeter		

### Equipment (optional)

Snow Blower		
Fully hydrostatic Capacity	5 tons per minute (300 tons per hour)	
Cutting width with side plates	1371 mm	54 in
Cutting height	1295 mm	51 in
Standard Chute Length	1220 mm	48 in
Chute rotation (degree)	245°	
Adjustable skid shoes	Yes	
2 full flight spiked augers	Yes	
Universal quick attach	Yes	

Sand & Salt Spreader		
Capacity	0,37 m <sup>3</sup>	0,5 yd <sup>3</sup>
Control of flow with potentiometer inside cab	Yes	
Regulated flow w/vehicle speed, no flow when vehicle is stopped	Yes	
Blades		
Heavy duty straight blade 152 cm (60in) with trip mechanism and reversible cutting edge for universal quick attach		
V plow, 122 cm (48 in) with replaceable cutting edge for universal quick attach system		

