



# SWINGMASTER

**361**

**SINGLE OPERATOR  
STATION**

**SWINGLOADER**





# SPECIFICATIONS

## DIMENSIONS

<i>Gross Vehicle Weight</i>	50,000 lbs.
<i>Length</i>	222"
<i>Width</i>	101"
<i>Height</i>	140"

## ENGINE

<i>Engine Make</i>	Cummins
<i>Max. Horsepower</i>	194 @ 2000 rpm
<i>Peak Torque (Foot-Pounds)</i>	650 @ 1300 rpm
<i>Governed RPM</i>	2200 rpm

## TRANSMISSION

<i>Type</i>	"Six Speed" Power Shift
<i>Number of Drive Gear Ratios</i>	3
<i>Number of Gear Ranges</i>	2
<i>Axle Disconnect</i>	Rear Axle
<i>Clutch Cutout</i>	Standard

## STEERING SYSTEM

<i>Type</i>	Rigid Frame with Steerable Axles
<i>Control</i>	Full Power Hydraulic
<i>Selectable Modes</i>	4 Wheels, Crab, Front Only and Rear Only
<i>Turning Radius (Curb Clearance)</i>	17 Feet 10 Inches

## ELECTRICAL SYSTEM

<i>Voltage</i>	12 V
<i>Alternator Output</i>	200 A
<i>Standard Gauges</i>	Engine Oil Pressure Engine Water/Cylinder
<i>Head Temperature</i>	Fuel Tank Level, Torque Converter Oil Temperature, Torque Converter Pressure, Voltmeter, Hourmeter, Air Pressure
<i>Head Temperature</i>	1900 Cold Cranking Amps with Disconnect Switch

## CAPACITY

20,000 Pound Lift and Carry Capacity
360° Swing

## TORQUE CONVERTER

<i>Stall Multiplication Ratio</i>	1.82:1.00
<i>Drive</i>	Offset
<i>Drive Ratio</i>	0.965:1.00
<i>Pump Drive Ratio</i>	0.951:1.00
<i>Oil Filler</i>	Remote Mounted

## WHEELS AND TIRES

<i>Tires</i>	16.00 x 25
<i>Standard Wheels</i>	Single Dish 11.25-2 Rim 65 Inches Inside to Inside of Tires (Loaded Section)

## SERVICE BRAKE SYSTEM

<i>Type</i>	Outboard Style Single Caliper Disc Brakes
<i>Disc Diameter</i>	19 in
<i>Location</i>	Axle Wheel Ends
<i>Actuation</i>	Dual Circuit System Air Over Hydraulic
<i>Control</i>	Foot Control in Cab

## PARKING BRAKE SYSTEM

<i>Type</i>	Mechanical Disc
<i>Diameter</i>	13 in
<i>Location</i>	Front Axle Input Shaft
<i>Actuation</i>	Spring Applied, Air Released
<i>Control</i>	Electric Switch in Cab

## ENGINE AIR INTAKE SYSTEM

<i>Type</i>	Dry, Two Stage (Centrifugal Precleaner, Paper Main Element) with Safety Element
<i>Restriction Indicator</i>	Standard, Mounted Alongside Air Cleaner



# SPECIFICATIONS

## Fuel System

Gross Vehicle Weight	50 gal
Length	Spin On Primary Strainer and Spin on Secondary Filter

## Hydraulic System

Reservoir	75 Gallon with Removable Cleanout Cover and Padlockable Filler Capacity
Suction Strainers	100 Mesh Strainers Mounted in the Hydraulic Tank on Each Pump Suction Line
Primary Pump	Double Section Gear Type, Direct Driven from Accessory Drive on Torque Converter. Supplies Oil Flow for Boom, Attachment, and Hi-Rail Functions.
Secondary Pump	Double Section Vane Type, Direct Driven from Accessory Drive on Torque Converter. Supplies Oil Flow for Steering and Remote controls

## Control Valves

Primary	Two Spool, Hydraulic Pilot Operated with Built In Relief Valve
Secondary	Three Spool, Hydraulic Pilot with Built In Relief Valve
Controls	Low Effort Hydraulic Remote Controls for Boom Lift, Boom Swing, Attachment Tilt, and Auxiliary Attachment.

## Cylinders

Boom Lift	2 Double Acting with Holding Valves
Attachment Tilt	1 Double Acting with Holding Valves
Filters	In Tank Mounted, Return line Cartridge Type, 10 Micron Nominally Rated Element
Swivel	Air, Hydraulic & Electric

## Swing Drive Systems

Type Drive	Hydraulic Motor, Planetary Gear Box, Double Chain and Double Sprocket
Rotation	360 Degree Continuous
Speed	Equivalent to 2.0 rpm

## \*CUSTOM OPTIONS

<ul style="list-style-type: none"> <li>✓ Hi-Rail (Insulated or Non)</li> <li>✓ Rail Sanders</li> <li>✓ Warning Brakes</li> <li>✓ Speedometer</li> <li>✓ Passenger Seat</li> <li>✓ Tow Bar</li> <li>✓ Machine Fluid Heaters</li> <li>✓ Backup Camera</li> <li>✓ Spare Tire Carrier</li> <li>✓ Emergency Power Unit</li> <li>✓ Steering Pin Type Locks</li> <li>✓ Windshield Wipers (Front/Rear)</li> <li>✓ Auto Lube (Boom/Turntable)</li> <li>✓ Buggy/Rail Cart Brakes</li> <li>✓ 6" Removeable Vise</li> <li>✓ Hi-Rail Interlock</li> <li>✓ Air Conditioning</li> </ul>	<ul style="list-style-type: none"> <li>✓ Auxiliary Hydraulic Cooler</li> <li>✓ Derail Guards</li> <li>✓ Warning Beacon</li> <li>✓ Tachometer</li> <li>✓ Light Package</li> <li>✓ Turn Signals/Hazard Lights</li> <li>✓ Front and Rear Fenders</li> <li>✓ Heavy-Duty Rear Bumper</li> <li>✓ Tow Hitch (Front/Rear)</li> <li>✓ Rear Window Defroster Fans</li> <li>✓ Train Brakes</li> <li>✓ Hydraulic Top-Off System</li> <li>✓ Turntable and Boom Pin Type Lock</li> <li>✓ Live Track Door Belt</li> <li>✓ Hydraulic Tool Circuit Hose Reel</li> <li>✓ Pintle Hitch (Front/Rear)</li> <li>✓ AAR Coupler</li> </ul>
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## \*CUSTOM ATTACHMENTS

<ul style="list-style-type: none"> <li>✓ Backhoe</li> <li>✓ Brush Cutter</li> <li>✓ Bucket</li> <li>✓ Rail Threader</li> <li>✓ Forks</li> <li>✓ Magnet</li> <li>✓ Male Master Coupler</li> <li>✓ Sweeper</li> <li>✓ Snow Bucket</li> <li>✓ V-Type Snow Plow</li> <li>✓ Back Filler Blade</li> <li>✓ Track Cleaning Bucket</li> </ul>	<ul style="list-style-type: none"> <li>✓ Cribbing Bucket</li> <li>✓ Grapple</li> <li>✓ Clamshell</li> <li>✓ Switch Broom</li> <li>✓ Extendable Boom</li> <li>✓ Lattice Boom</li> <li>✓ Tote Hooks</li> <li>✓ Tie Exchanger</li> <li>✓ Tracking Cleaning Bucket</li> <li>✓ Auger</li> <li>✓ Loader Bucket</li> <li>✓ Snow Blower</li> </ul>
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\*The Custom Options & Attachments listed above may be available for Swingmaster machines, contact Swingmaster Sales Department for feasibility & compatibility.





