



SCISSOR LIFT TRUCK

**MODEL
S1-SL5000N**

2 268 kg · 5,000 lb. safe lift capacity



FEATURES

- Heavy duty scissor mechanism and deck provide a stable, elevated mobile work platform
- Compact 1 830 mm (6' 0") wide articulated carrier is extremely well suited for narrow drifts and confined areas
- Optional pipe handlers facilitate installation of pipes and ducts
- Totally enclosed 762 mm (30") stroke stabilizers and built-in safety lock valves for greater reach and stability on rough terrain
- Spacious operator compartment is ergonomically designed for maximum visibility and bidirectional tramming, operator can safely control and monitor machine functions at a glance
- Centralized service points and modular design for easy service access and fast component exchange
- Excellent service and parts back-up worldwide

WEIGHTS

Machine weight approx..... 8.0 tonne.....8.8 ton

OVERALL DIMENSIONS

Length..... 7 775 mm.....25' 6"
Width.....1 830 mm.....6' 0"
Height over canopy or cab 1 980 mm.....6' 6"

TURNING RADIUS

Inside.....2 800 mm.....9' 2"
Outside..... 5 235 mm..... 17' 2"
Angle45°

SCISSOR LIFT PLATFORM SPECIFICATIONS*

Deck size (w x l)* 1 830 mm x 3 660 mm... 6' 0" x 12' 0"
Loading height from the ground... 1 120 mm.....3' 8"
Extended deck height 2 795 mm.....9' 2"
Height above safety hand rails 1 065 mm.....3' 6"
**Other deck sizes, machine widths and lift heights available on request*

SCISSOR LIFT PLATFORM FEATURES

- Engine start/stop from platform
- Replaceable wood plank floor with kick plates on both sides and on front of deck
- Telescopic access ladder to platform
- 80° pivot saddle devices (2) to handle short and long pipes



DUX Model S1-SL500N Scissor Lift Truck

TECHNICAL SPECIFICATIONS*

Engine

Make and model Cummins B4.5 electronic
Derated power 123 kW (165 HP) @ 2200 RPM
Cylinders 4
Aspiration Turbocharged and charge air cooled (Cummins VGT
..... Turbocharger)
Displacement 4.5 L 275 in³
Combustion process Electronic High Pressure Common Rail (HPCR) Fuel
..... System
Starter 24-volt electric
Air intake cleaner Cummins Direct Flow Air Cleaner
Exhaust system EGR free with Single Module™ aftertreatment
..... system combines Diesel Oxidation Catalyst (DOC),
..... Diesel Particulate Filter (DPF), Diesel Exhaust Fluid
..... (DEF) and Selective Catalytic Reduction (SCR)
Cooling Liquid and air-to air cooling
Emission standard Meets EPA Tier 4 Final, EU Stage V

Transmission with Integrated Torque Converter

Make and model Dana SOH HR24000 series with integrated
..... torque converter and flex plate drive
Speeds 3 in forward and reverse

Axles

Make and model Dana SOH 113 planetary type with totally enclosed
..... internal wet multi-disc brakes for each wheel

Tires

– Bridgestone 12.00-20, 18 ply, E-3 TT

Brakes

Service 4-wheel power internal wet multi-disc brakes, dual
..... hydraulic power control with accumulator back-up
Emergency/parking Fail safe back-up spring applied hydraulically
..... released (SAHR) internal wet multi-disc brakes
Automatic Brake Applies brake in case of engine failure or pressure
Applicator (ABA) drop in torque converter

Steering

– Articulated frame hydraulic power steering
– Orbitrol valve-type with steering wheel and cushion valve
– Double acting steering cylinders (2)
– $\pm 45^\circ$ steering angle each way for a total of 90°

Oscillation

– $\pm 10^\circ$ center of oscillation for a total of 20°
– Large sized, heavy-duty roller bearing for minimum maintenance and a
smooth ride, 4-wheel ground contact guaranteed

Frames and Pins

– Articulated heavy-duty frames made to withstand the high impact and
torsional stress associated with mining application
– Frames come with five-year unlimited hour guarantee
– Large high tensile alloy steel pins in replaceable anchor bushings

Operator Compartment

– Side seated for maximum visibility and bidirectional operation
– Heavy-duty adjustable suspension seat with arm rests and seat belt
– Shock mounted compartment floor for maximum comfort
– All controls and gauges are within easy reach and view of operator

Hydraulic System

– Heavy-duty double acting protected steering cylinders (2) with hard
chrome plated stems
– Heavy-duty PTO driven gear-type pumps driven from torque converter
– Suction filter
– Inline high pressure filter with service gauge
– $\frac{3}{4}$ " inside diameter and over hoses that are four-spiral wire braid and
have crimped hose end swivel fittings
– Hose bulk-head located mid-ship

Stabilizers

– Totally enclosed 762 mm (30") stroke stabilizers (4) with built-in safety
lock valves (4) and hydraulic valve controls (4)

Tank Capacities

Fuel 165 L 44 US gallons
Hydraulic oil 165 L 44 US gallons
Brake cooling 68 L 18 US gallons

Electrical System

– 24-volt negative ground
– 75 amp alternator with integrated sealed voltage regulator
– Main electric cut-off switch
– Heat resistant, waterproof, sealed electric PMA wire harness
– Sealed junction box and stainless steel instrument panel box with
multi-stem connectors
– Semi-automatic circuit breakers
– Front (2), rear (2), and all-directional (1) LED high-intensity lights
– Heavy-duty batteries (2)
– Signal horn and audible, adjustable back-up alarm

Standard Features

Cummins B4.5, EPA Tier 4 Final, EU Stage V electronic engine • PRAN
display monitor includes digital fuel gauge • Automatic engine shut-off at
low oil pressure and high temperature • Hourmeter • All necessary gauges
for engine, converter and brake pressure • Wheel chocks (2) with storage
brackets (2) • 9 kg (20 lb) hand held fire extinguisher • Neutral engine
start protection • Centralized manual lubrication mid-ship • Dump box
and articulation safety bars • Parts/Operator/Maintenance manuals •
Compliant with MSHA, CANMET and CE regulation

Options

Certified FOPS/ROPS canopy • Fully equipped certified FOPS/ROPS noise
suppression cab • Automatic lubrication system • Fire suppression system
• Video system • Spare rim assembly • Custom deck sizes and extended
lift heights • Scissor lift platform with dual side shift for maximum width
coverage and less set-up time • Generator • Auxiliary hydraulic power •
Accessories (crane, drill boom, fork-lift mast and cable winder, AN/FO
pressure vessel module etc.) • OTHER OPTIONS ON REQUEST



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