



## 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 FOPS/ROPS canopy..1 980 mm.....6' 6"

### TURNING RADIUS

Inside.....2 800 mm.....9' 2"  
Outside..... 5 235 mm..... 17' 2"  
Angle.....45°

### 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-SL5000N Scissor Lift Truck

## TECHNICAL SPECIFICATIONS\*

### Engine

Make and model ..... Cummins QSB 4.5 with Electronic Management System  
Derated power ..... 110 kW (148 HP) @ 2300 RPM  
Cylinders ..... 4  
Aspiration ..... Turbocharged and charge air cooled  
Displacement ..... 4.5 L ..... 275 in<sup>3</sup>  
Starter ..... 24-volt  
Air intake cleaner ..... Donaldson 2-stage dry type with service gauge  
Exhaust system ..... Catalytic purifier with integrated silencer  
Cooling ..... Liquid  
Emission standard ..... Meets EPA Tier 3, Euro Stage IIIA

### 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 in reverse

### Axles

Make and model ..... Dana SOH 176 planetary with internal multiple wet-type 4-wheel disc brakes

### Tires

– Michelin 12.00-20, 18 ply mining tires

### Brakes

Service ..... 4-wheel power multi-internal wet disc, dual hydraulic power control with accumulator back-up  
Emergency/parking ..... Fail-safe back-up Spring Applied Hydraulic Released (SAHR) multi-internal wet 4 wheel brakes  
Automatic Brake ..... Applies brake in case of engine failure or Applicator (ABA) ..... pressure 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  $90^\circ$

### Oscillation

–  $\pm 10^\circ$  center of oscillation for a total of  $20^\circ$   
– 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 5 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 ..... 170 L ..... 45 US gallons  
Hydraulic oil ..... 170 L ..... 45 US gallons

### Electrical System

– 24-volt negative ground  
– 70 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  
– Audible, adjustable back-up alarm

### Standard Features

Cummins QSB 4.5, EPA Tier 3, Euro Stage IIIA 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 not covered by PRAN electronic display module • Wheel chocks (2) with storage brackets (2) • Neutral engine start protection • Centralized manual lubrication manifold mid-ship • Triangular rear reflectors (2) • 9 kg (20 lb) hand-held fire extinguisher • Parts/Operator/Maintenance Manuals • Compliant with MSHA, CANMET and CE regulation

### Options

Different engine • Diesel particulate filter • Certified FOPS/ROPS canopy • Fully equipped certified FOPS/ROPS noise suppression cab • Custom deck sizes and extended lift heights • Scissor lift platform with dual side shift for maximum width coverage and less set-up time • Storage boxes (2) • Generator for supplying electric power to hand tools and lights • Auxiliary hydraulic power pack with air or electric motor for operation of scissor lift and accessories with diesel engine shut off • Accessories (Hiab crane, drill boom, fork-lift mast and cable winder, AN/FO pressure vessel module etc.) • Automatic lubrication system • Fire suppression system • Spare rim assembly • OTHER OPTIONS ON REQUEST



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