



SCISSOR LIFT TRUCK

**MODEL
S1-SL6000**

2 720 kg · 6,000 lb. safe lift capacity



FEATURES

- Heavy duty scissor mechanism and deck provide a stable, elevated mobile work platform
- 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
- Proven Dana powertrain with integrated torque converter and 3 gears in forward and reverse
- 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..... 11.6 tonne..... 12.7 ton

OVERALL DIMENSIONS

Length..... 7 850 mm..... 25' 9"
 Width..... 1 830 mm..... 6' 0"
 Height over FOPS/ROPS cab..... 2 210 mm..... 7' 3"

TURNING RADIUS

Inside..... 3 350 mm..... 11' 0"
 Outside..... 5 950 mm..... 19' 6"
 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... 1 220 mm..... 4' 0"
 Extended deck height 2 945 mm..... 9' 8"
 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
- 180° pivot saddle devices (2) to handle short and long pipes



DUX Model S1-SL6000 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 in³
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°

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 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 L45 US gallons
Hydraulic oil 170 L45 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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