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 tramping, 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

Printed in Canada
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
- 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)
- ±45° steering angle each way for a total of 90°

Oscillation
- ±10° 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
- ¾" 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 system
- 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
- Certified FOPS/ROPS canopy
- 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

Manufactured by:
DUX MACHINERY CORPORATION
615 Lavoisier, Repentigny Quebec, Canada J6A 7N2
+1 450.581.8341 tel +1 450.581.5138 fax www.duxmachinery.com

* Specifications subject to change without notice.