



SL-3 Scissor Lift

Designed to provide a safe work platform for installation of services in tunnel headings up to twenty feet (six meters) high. The Mine-Mate™ SL-3 Scissor Lift is fully equipped as standard for the multi-tasking required in today's underground trackless mining environment.

Features

- 6000 lbs (2720 kg) payload
- Proven heavy duty scissor lift mechanism
- Hydraulic deck shifting forward or sideways
- Four lift / leveling jacks
- Air and water headers
- Safety railings and interlocks
- Heavy duty frame construction
- Clean high powered, electronically controlled engines
- Reliable, proven power train components
- Four wheel drive, articulated steer carrier
- Canopy and enclosed cab option

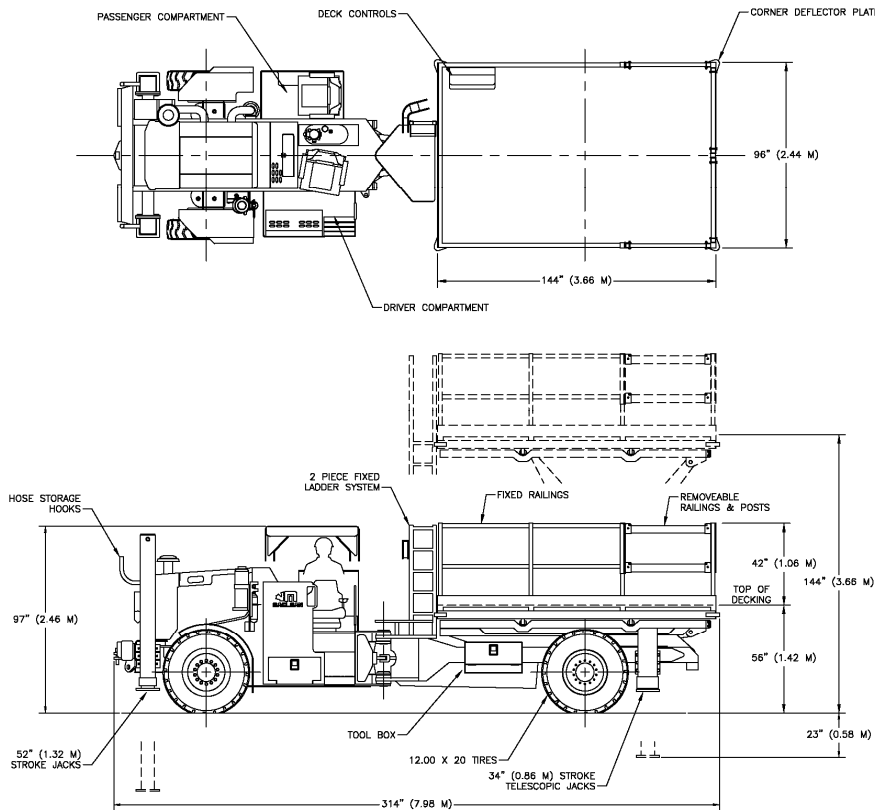
Benefits

- Complete drift cover coverage from single setup
- Long life power train using industry proven components
- Clean burning, fuel-efficient engine minimizes harmful emissions
- Low cost, dependable mine supply vehicle
- Ease of maintenance with electronic engine diagnostics, accessible fuel filling and grease points
- Superior traction due to four wheel drive and powershift transmission

Applications

- The SL-3 Scissor Truck is a versatile vehicle best suited for installation of ventilation ducting, electrical reticulation, and piping for air and water services.
- Rehabilitation projects are conducted safely and efficiently from the level work deck, elevated to a comfortable work height.

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Shown with optional equipment included

Weights and Dimensions

Empty vehicle weight – 34,000 lbs (15,400 kg)
 Width- 96" (2.44 m)
 Length – 314" (7.98 m)
 Trimming height – 97" (2.46 m)

+/- 40 degrees steering angle
 Inside turning radius – 219" (5.56 m)
 Outside turning radius – 327" (8.31 m)

Speed Range

Mercedes / Clark / New Holland Power Train

- 1st gear on flat – 2.3 mph (3.6 km/h)
- 2nd gear on flat – 4.8 mph (7.7 km/h)
- 3rd gear on flat – 8.3 mph (13.3 km/h)

Caterpillar Power train

- 1st gear on flat – 2.8 mph (4.5 km/h)
- 2nd gear on flat – 4.8 mph (7.7 km/h)
- 3rd gear on flat – 8.7 mph (14.0 km/h)

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Power End Standard Equipment

Mercedes 904 liquid cooled diesel engine:

- Rated 147 hp (110 kW) at 2300 rpm – MSHA certified
- 4 cylinder – 4 stroke – Electronically controlled
- Turbo charged / Air to air charge cooled
- Mesabi radiator and cooling package
- 40 US gal (150 L) diesel tank

Dana Clark 32000 series powershift transmission;

- 3 speeds forward and reverse
- Electric shift control

New Holland D65I axles;

- Inboard planetary gears
- No-spin differential on engine side
- Standard differential on boom side
- Mico SAHR failsafe brake actuators
- Internal wet disk brakes
- +/- 10 degrees oscillation on power end axle
- Fixed mounting on application end axle

Brake system;

- Independent front/rear hydraulically operated service brakes
- Spring applied, hydraulic released emergency/park brakes
- Automatic Brake Application (ABA) with manual reset

Wheels and Tires;

- 12.00 x 20 tire size
- 20 ply pneumatic, lugged thread design

Driver and passenger compartments;

- Side entry away from articulation joint
- Driver's position – Center seated facing outward
- Passenger position – Side seated facing forward
- Deluxe suspension seats with seat belts for driver and passenger
- Stick steering controls
- Anti-slip dimple plate on all step surfaces

Frames:

- Heavy duty plate construction with modular tear down capability
- 40 degrees steering angle with dual steering cylinders
- Grouped grease fittings for articulation joint, steering pins and oscillating axle
- Heavy duty front and rear bumpers with towing capability
- Articulation lock bar
- Wheel chock holders

Hydraulic system;

- Closed center hydraulic circuit
- 30 gpm (110 L/min) piston pump
- 3000 psi (200 bar) system pressure
- 25 US gal (95 L) hydraulic tank
- 10 micron return filter

Electrical system;

- 24 Volt with master disconnect with lock out feature
- 95 amp / 24 volt alternator
- 800 CCA batteries
- 500 amp fuse starter protection
- Re-settable circuit breakers
- 6 headlights forward and 4 reverse
- Back-up alarm
- Strobe light
- Stainless steel enclosures

Exhaust system;

- Purifier and muffler assembly
- Insulation blankets on exposed components
- Emission test port

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Application End Standard Equipment

Heavy duty hydraulic scissor lift;

- Solid plate steel construction
- Dual lift cylinders with load holding valves
- 98" (2.49 m) vertical travel
- Safety lock bar for raised maintenance work
- Controls on deck and driver's compartment

8 ft x 12 ft (2.44 m x 3.66 m) heavy duty deck;

- 6,000 lbs (2720 kg) deck capacity
- Wood decking
- Two piece fixed access ladder
- 42" (1.06 m) handrail system
- Three point contact from deck to ground level

Four 16" (0.41 m) stroke stabilizing jacks

Optional Equipment

Mercedes 906 engine upgrade;

- Rated 201 hp (150 kW) at 2300 rpm – MSHA certified
- 6 cylinder – 4 stroke – Electronically controlled

Choice of tires;

- Pneumatics, solids and filled
- Aircraft retreads

Caterpillar power train components;

- Cat C6.6 rated 156 hp (116 kW) or 213 hp (158 kW) at 2300 rpm
- 6 cylinder – 4 stroke – Electronically controlled
- Cat 535C powershift transmission
- Cat 938G drive axles

Extended deck to 14 ft (4.27 m) long

Deck side shift with +/- 24" (0.61 m) each direction

Folding or removable handrails

Extended length jacks for working on steep grades

Exhaust blankets and shielding

Air and water header

Brake inter-locking for stabilizer jacks

Air operated hydraulics and/or alternator

Certified ROPS & FOPS open canopy

Remote engine start from deck

Certified ROPS & FOPS enclosed cabin;

- Heating and AC systems
- Pressurized air and sound suppression
- Windshield wiper and washer systems

Remote creeper drive system;

- Brakes, steering and jacks controlled from deck

Fire suppression, Checkfire, and hand held extinguisher

Tool box(s)

Auto lube system

Additional options available upon request

Manuals and Warranty

Parts, Operators and Maintenance manuals

- 3 sets of hardcopies
- "Catbase" or "Link One" electronic parts books
- French and Spanish parts manuals available

MAC-10 Warranty

- 1 year standard warranty
- Extended to 2 years on power train
- Extended to 7 years on frame

*The manufacturer reserves the right to change the specifications or design of this machine at any time without notification.