

## NOTES

# Maclean engineering & marketing co. limited

**Head Office** 

Address: 1000 Raglan Street  
Collingwood, Ontario, Canada L9Y 3Z1

Customer Service: 1-866-856-3626 (Toll Free)  
1-705-445-5707 (International)

Fax Number: 1-705-445-3214

e-mail: [sales@macleanengineering.com](mailto:sales@macleanengineering.com)

[www.macleanengineering.com](http://www.macleanengineering.com)



Designed and manufactured by

**Service Centre** 

Address: 1154 Webbwood Drive  
Sudbury, Ontario, Canada P3C 3B7

Customer Service: 1-705-670-8014

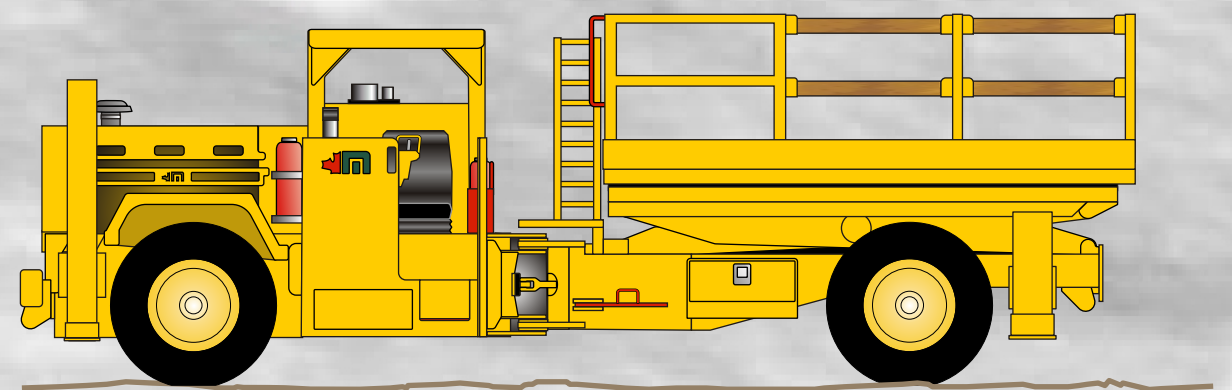
1-705-670-8395

Fax Number: 1-705-670-8176

e-mail: [service@macleanengineering.com](mailto:service@macleanengineering.com)

# Maclean Mine-Mate **SL-3 Scissor Truck**

Designed to provide a safe work platform for installation of services in tunnel headings up to seven metres high, the Mine-Mate™ SL-3 Scissor Truck is fully equipped as standard for the multi-tasking required in today's underground trackless mining environment.



## FEATURES:

- 2700 kg capacity; wide deck area
- Proven heavy duty scissor lift mechanism
- Extension wings or hydraulic side shift
- Air/water headers
- Safety railings and interlocks
- Four stabilizing jacks
- Heavy duty frame construction
- High-powered, electronically controlled Caterpillar™ engine
- Reliable, proven power train components
- Cab location options (forward/midships)
- Four wheel drive carrier

## BENEFITS:

- Complete drift coverage from single set up
- Secure working platform for general mining operations
- Adjustable height optimizes platform position
- Long life power train using proven Caterpillar™ components
- Ease of maintenance with electronic engine diagnostics, accessible fuel filling and grease points
- Clean burning, fuel-efficient engine minimizes harmful emissions
- 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.

# TECHNICAL SPECIFICATIONS

## OPERATING SYSTEM - SL-3 SCISSOR TRUCK

### CARRIER - MACLEAN SERIES 977

- Caterpillar™ 3056E diesel engine, 6-cylinder, liquid cooled, 111 kW, EPA Tier II certified, MSHA approved
- Caterpillar™ 928-G Series 3-speed power shift transmission
- Caterpillar™ 938-G Series axles, 16,000 kg capacity, 10° oscillation (front axle)
  - Independent front/rear hydraulically operated service brakes
  - Automatic brake application (ABA) with manual re-set
  - Spring applied, hydraulically released wet disc driveline brake
  - Braking system to CAN/CSA-M424-3-M90 Standard
- Steering angle 40°; centre articulated; dual hydraulic cylinders; orbital or stick steer control
- Tires: 12:00 x 20 mine-rated; pneumatic or solid
- 24-volt electrical system; 95-amp alternator
- Closed centre hydraulic steering and brake circuit; system pressure 200 bar
- Exhaust (heat shielded); catalytic purifier/muffler
- Air cleaner
- 95-litre fuel tank
- Operator's compartment (open or enclosed cab)
- Midships (side-mounted) driver's compartment
- Speed range (level):
  - 1st gear ..... 6 km/h
  - 2nd gear ..... 10 km/h
  - 3rd gear ..... 21 km/h
  - 15% ramp (empty) ..... 8.5 km/h
- Maximum Grade ..... 20%

### SL-3 SCISSOR TRUCK

- 2440 x 3660 mm deck area
- 405 mm stroke stabilizers
- 2235 mm stroke scissor lift (cylinder load check valves); designed to CAN3.B354.2.98 Standard
- Scissor lock bar
- Two-piece fixed access ladder
- Fixed or removable rear posts and rails
- Diesel/hydraulic power pack
- Hydraulic controls (lift, side shift, stabilizers)
- Air and water headers

### OVERALL DIMENSIONS

- Length: ..... 7695 mm
- Width: ..... 2440 mm
- Trimming Height: ..... 2545 mm
- Turning radius: Inner ..... 5485 mm  
Outer ..... 8280 mm
- Tare weight: ..... 16,000 kg
- Gross weight: ..... 18,700 kg

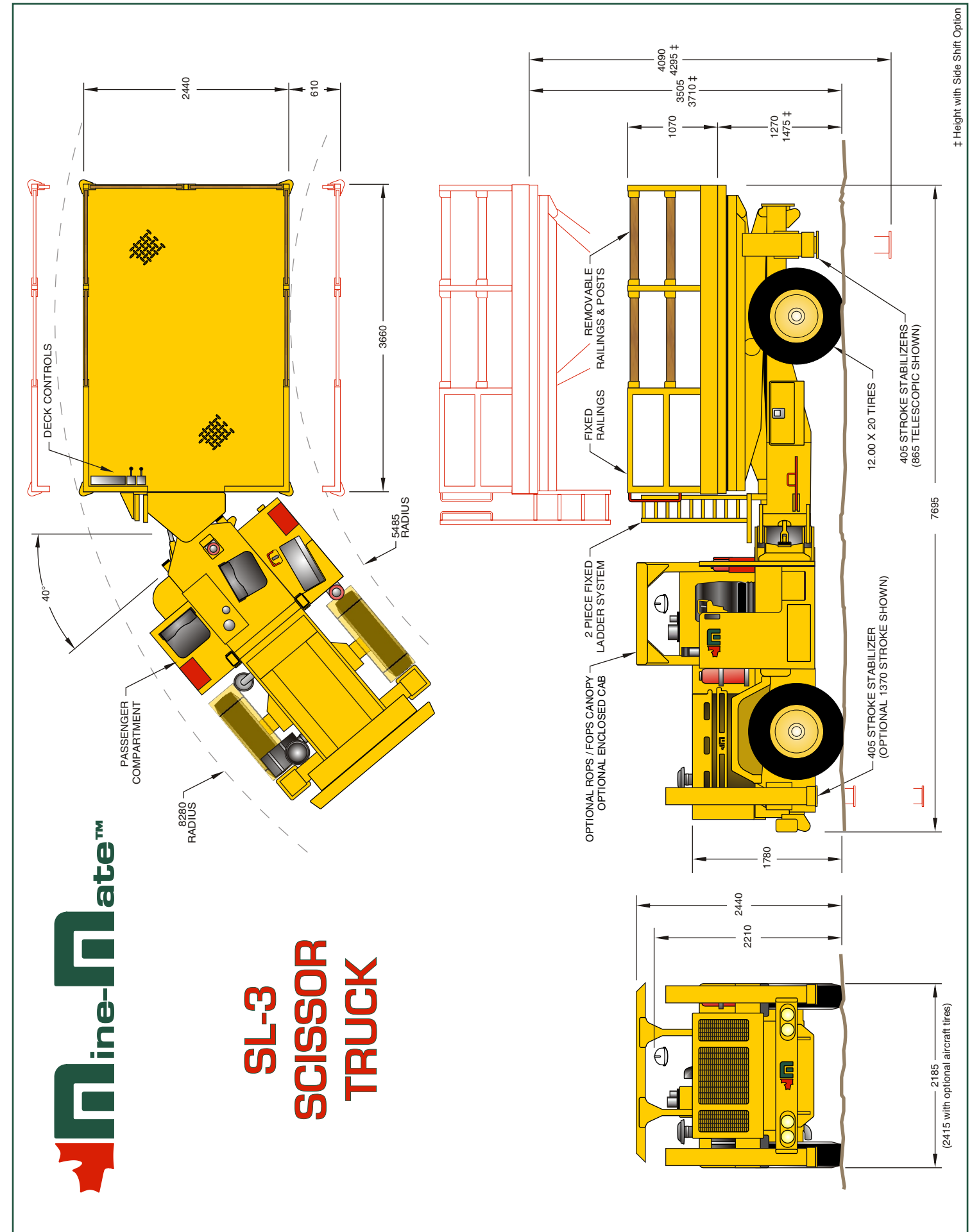
### MISCELLANEOUS EQUIPMENT

- Material and tool storage
- Strobe light
- Articulation lock bar
- Tow lugs

### FACTORY OPTIONS\*

- Certified ROPS (open canopy)
- Telescopic FOPS
- Enclosed cab; heated/air conditioned (ROPS certified)
- Fire suppression system
- Hydraulic side shift, 600 mm L/R (2440 Deck Required)
- Optional deck widths
- Air line lubricators
- Air/hydraulic power pack
- Wood lined deck
- Safety harness
- Portable fire extinguisher
- Auto greasing kit
- Deck lighting package
- Air suspension seat (driver)
- 44.5 X 16.5 pneumatic aircraft tires
- Caterpillar™ 3126B engine, 135 kW
- Engine brake
- "Wiggins" fast fuelling system
- Wheel chocks (set or two)
- Extended stroke stabilizers
- Remote drive system
- Brake-stabilizer interlock

\* All options must be pre-approved by MacLean Engineering & Marketing Co. Ltd.



**ine-Mate™**

**SL-3  
SCISSOR  
TRUCK**

† Height with Side Shift Option

(2415 with optional aircraft tires)