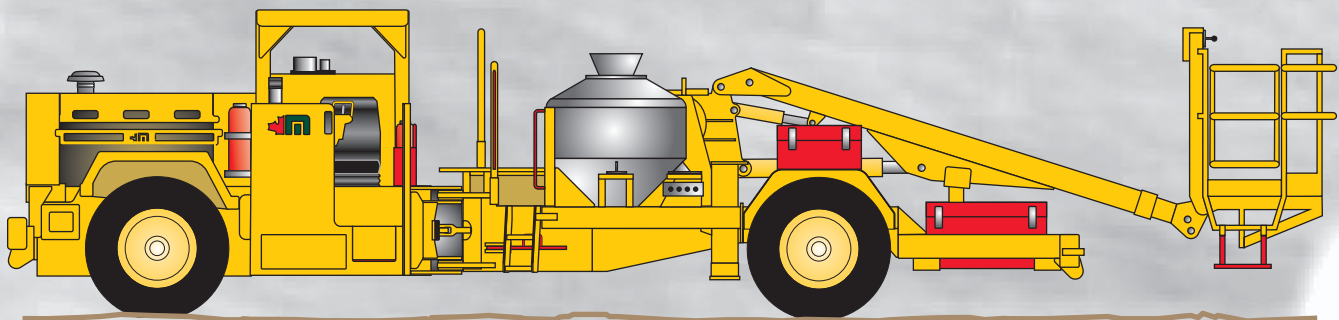


Naclean Mine-Mate

AC-3 AN/FO Charger

The Mine-Mate AC-3 is a safe, reliable and cost effective solution for quality explosive charging of bulk AN/FO in underground trackless mines.



FEATURES:

- 2500 kg capacity
- Ample separate storage boxes for blasting accessories
- Safety interlock systems
- Self-contained unit sized for full shift loading before re-supply
- Four stabilizing jacks
- Heavy duty frame construction
- High-powered, electronically controlled Caterpillar™ engine
- Reliable, proven power train components
- Four wheel drive carrier
- Cab location options (forward/midships)

BENEFITS:

- Complete drift coverage from single set-up
- One or two man operation
- Rapid tramming between work locations
- Cost benefits in materials handling and in use of bulk explosives
- 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:

- Production blasthole and long hole charging
- Development drifting; breasting
- Bulk AN/FO transport
- Accurate explosive charging for precision blasting

TECHNICAL SPECIFICATIONS

OPERATING SYSTEM - AC-3 AN/FO CHARGER

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
- Midships (side-mounted) driver's compartment (open or enclosed cab)
- Speed range (level):
 - 1st gear 6km/h
 - 2nd gear 10 km/h
 - 3rd gear 21 km/h
 - 15% ramp (empty) . . . 10.5 km/h
- Maximum Grade 20%

CHARGING SYSTEM

- Dual AN/FO pods with clean-out hatches; 225-450 kg capacity
- Pneumatic power pack; auxiliary diesel/hydraulic power pack
- Pneumatic AN/FO pod pressurization
- Dual remote controls for operation from ground or basket
- Single or double delivery systems
- Extrusion and fluidized AN/FO delivery capability to suit drifting, production blasthole and long hole applications
- AN/FO loading productivity of upto 25 kg/minute.
- Storage boxes for blasting accessories; wood-lined

BASKET BOOM

- Man basket - 1200 x 850 mm
- Basket levelling system
- Boom lift +60°/-20°
- Boom swing +/- 45°
- Boom length 5110 mm; 2000 mm extension
- Coverage 10000 x 8500 mm
- Weight 1300 kg
- Maximum load 500 kg
- Cylinder interlock system

OVERALL DIMENSIONS

- Length: 10300 mm
- Width: 2440 mm
- Trammng Height: 2440 mm
- Turning radius: Inner 5755 mm
Outer 8670 mm
- Tare weight: 13,640 kg
- Gross weight: 16,140 kg

MISCELLANEOUS EQUIPMENT

- Fire suppression system
- Portable fire extinguisher
- "Explosives" signs
- Articulation lock bar
- Strobe light
- Tow lugs

FACTORY OPTIONS*

- Certified ROPS (open canopy)
- Telescopic FOPS
- Basket FOPS
- Enclosed cab, heated/air conditioned (ROPS certified)
- Automatic fire detection system
- Auto greasing kit
- 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)
 - Brake-stabilizer interlock

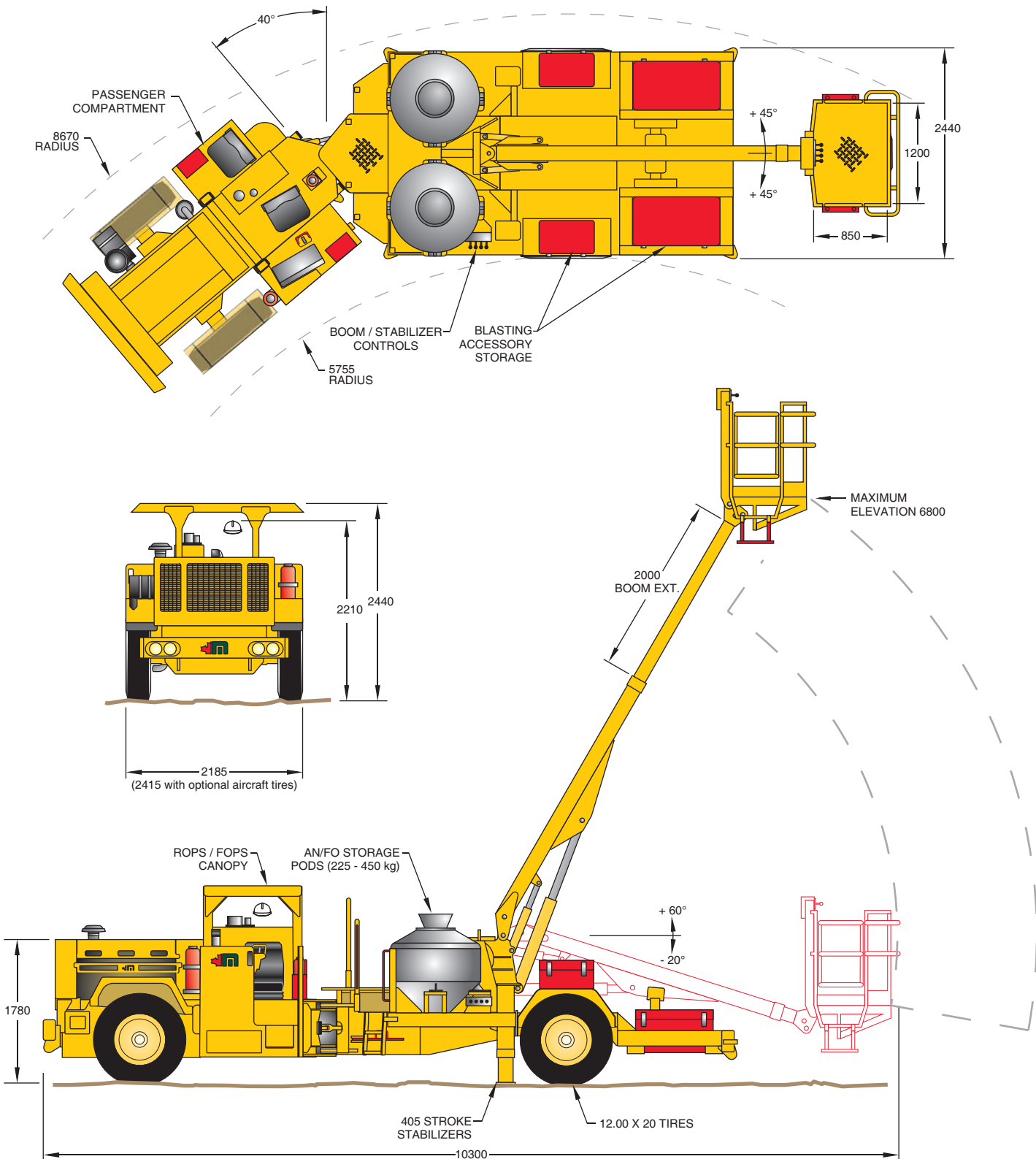
* All options must be pre-approved by MacLean Engineering & Marketing Co. Ltd.



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AC-3 AN/FO CHARGER



NOTES



maclean engineering & marketing co. limited

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