MINE KART

Model MK-2

A COMMON PERSONNEL CARRIER FOR ALL UNDERGROUND MINES
DESIGNED SPECIFICALLY FOR MINE SUPERINTENDENTS,
SHIFT CAPTAINS, SURVEYORS AND OTHER MINE STAFF.

Summary of Benefits

— Designed for rough tough operators.
— High availability and manoeuvrable
— Lowest maintenance and operating costs of any unit
— Rides like a cadillac
— Gets your people to the face and back safely and quickly.

— driven by a 28 h.p. diesel when others need twice this
— to the mine operators this means:
  — Half the fuel consumption
  — Half the mine ventilation & heating costs

Designed With Hard Times In Mind

BDC for engine manuals and specs
https://barringtondieselclub.co.za/
ENGINE SPECIFICATIONS

<table>
<thead>
<tr>
<th>ENGINE</th>
<th>DEUTZ</th>
<th>ISUZU</th>
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</tr>
</thead>
<tbody>
<tr>
<td>Make and model</td>
<td>Deutz Diesel, F2L-511W</td>
<td>Isuzu Dieseli QD27</td>
<td>Isuzu Dieseli QD40</td>
</tr>
<tr>
<td>Mine Rating @ 2600 rpm</td>
<td>28 h.p. (20.8 kW)</td>
<td>@ 2800 rpm 27 h.p. (20.1 kW)</td>
<td>40 h.p. (29 kW)</td>
</tr>
<tr>
<td>Maximum Torque @ 2000 rpm</td>
<td>60 ft. lbs. (81 Nm)</td>
<td>57 ft. lbs. (77 Nm)</td>
<td>85 ft. lbs. (114 Nm)</td>
</tr>
<tr>
<td>Bore and Stroke</td>
<td>3.93 x 4.13 in. (100 x 105 mm)</td>
<td>3.39 x 4.02 in. (86 x 102 mm)</td>
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</tr>
<tr>
<td>Displacement</td>
<td>99 cu. in. (1.625 liters)</td>
<td>72.3 cu. in. (1184 cc)</td>
<td>108 cu. in. (1777 cc)</td>
</tr>
<tr>
<td>Number of Cylinders</td>
<td>2</td>
<td>2</td>
<td>3</td>
</tr>
<tr>
<td>Cooling</td>
<td>Air</td>
<td>Water</td>
<td>Water</td>
</tr>
<tr>
<td>Electrical</td>
<td>12 Volt</td>
<td>12 Volt</td>
<td>12 Volt</td>
</tr>
<tr>
<td>Air Cleaner</td>
<td>Oil Bath</td>
<td>Dry Type</td>
<td>Dry Type</td>
</tr>
<tr>
<td>Weight</td>
<td>342 lbs. (155 kg.)</td>
<td>364 lbs. (165 kg.)</td>
<td>478 lbs. (217 kg.)</td>
</tr>
<tr>
<td>MSHA Ventilation Rating</td>
<td>2500 CFM</td>
<td>24-D-104-0</td>
<td></td>
</tr>
<tr>
<td>Approval No.</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Deutz air cooled diesel — 4 cycle, pre combustion chambers. Oil bath air cleaner, overhead valve with Deutz fuel injection cold start glow plugs, fuel filters, oil filter, oil cooler, 12 volt starting. Deutz is sold by their world wide distribution network. Warranty is six months or 2000 hrs. 100% on parts and labour.

Isuzu automotive diesels are 4 cycle, water cooled, overhead valve engines. They feature Bosch type fuel injection, cold start glow plugs, mechanical governors, pre combustion chambers, Donaldson dry type air cleaner, fuel filters, fuel flow oil filters, and 12 volt electric start.

Isuzu in Canada is sold and serviced by the General Motors Distribution Network. Warranty is 12 months or 1800 hours 100% on parts and labour.
GENERAL SPECIFICATIONS

TRANSMISSION & CLUTCH

H-Shift Pattern .................. Constant Mesh
3 Speeds Forward and 1 Reverse
with built in 3:1 gear drop box
Heavy Duty Industrial Type 9" (228 mm) dia clutch

AXLES

Rear .................. Spiral Bevel Dana 3/4 Ton Truck

WHEEL & TIRES

One piece rim, low pressure tires, truck type with
Aumatic "tubes ..............................................
Tire size, Front and Rear ........... 31 x 11.5-15 — 4-ply
Tire Pressure .............................. 10 psi (0.7 bar)

BRAKES

Service: Hydraulic disc on front wheel and rear
axle pinion — Separate systems front and rear.
Emergency/Parking. Manually applied drive line
disc brake. Operator lever applied.

STEERING

Manual Worm Gear Box or optional industrial
orbitrol power steering with hydraulic power
take off for up to 2000 psi (130 bars)
Turning angle — 45° in each direction for a total
of 90°
Pressure setting at 500 psi (35 bars)

TANK CAPACITY

Diesel Fuel .................... 7 U.S. Gal. (26 litres)
Hydraulic Oil ..................... 3 U.S. Gal. (10 litres)

SEATING

Driver's and front passenger seat both with
suspension, fully padded water proof, with
adjustable seat track on driver's seat.

ELECTRICAL SYSTEM

12 Volt starting with 62 amp alternator
Two driving lights with two backup lamps.
Hourmeter, Voltmeter, Engine Temp., Main Dis-
connect Switch, Glo Plugs.
Low oil pressure, high engine temp. warning
system. (buzzer and red light)

FRAME

Heavy duty steel tube with metal covers.
Three tires eliminate suspension systems.
All checker plate flooring.
Anti skid rear bumper steps.

STANDARD EQUIPMENT

Hydraulic tank shut off valve for easy filter
changes.
Electric Starting 12 Volt
Front & rear red reflectors
Fuel shut off valve
PTX or Fume Diluter Scrubber

OPTIONAL EQUIPMENT

10 lb. ABC Fire Extinguisher
Wheel Chock
Seat Belts Front Only.
Two rear fold up seat cushions with back rests
Frame widths and lengths to fit your mine shafts
or cages
Various axle ratios selected for your mine ramps
or your road ways
Spare tire tube & wheel assembly
Bolt on roll bar
Ford flame proof diesel
Front wheel park brake
Man basket booms and elevated platforms
Scissor lifts
4D booster starting battery and box
Fold down tail gate
Built in 12 CFM air compressor and receiver to
operate small plug drill

EXPLOSIVE CARRIER

WITH MANBASKET

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front wheel disc brake with dual master cylinder for service brakes
- disc brake and brake line guards protected from damage
- one light turns with the wheel to always light the way even on a full 45° power steering turn
- optional front wheel park brake

side mounted fuel tank of heavy 3/16 plate (5 mm) well protected with spill way

independent rear axle pinion disc brake for service and emergency parking
- only two service brakes reduce components and maintenance
- 1350 spicer drive line

new longer wheelbase unit
- battery easily accessible under seat
- rear seats with back rests

hinged cover guards allow for easy stand up servicing
- drive line cover and rear brake covers open for easy servicing

reinforced steel belly and skid guards protect engine, transmission, drive line, disc brake and rear axle from rock damage
- main frame made from heavy rectangular tubing and plate
- no maintenance required from under the machine

soft ride Bostrum seat and seat suspension
- optional seat belts
- master disconnect switch standard

3 speed transmission allows for max 15 mph (24 kph) speed with one reverse
- optional speeds on request
**DIMENSIONS**

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Length ................. 12'-5" (3785 mm)
Width ..................... 60" (1524 mm)
Wheel base ............... 100" (2540 mm)
Tread rear ............... 46" (1168 mm)
Overall height (less ROPS) .44" (1118 mm)
Overall height (c/w ROPS) .65" (1651 mm)
Empty weight ............ 2700 lbs. (1727 kg)

**PERFORMANCE (WITH 28HP DIESELS)**

Payload ............. 6 men or 1200 lbs. (545 kg)
Speed ................... level max 15 mph (24 kph)
Gradability (4 men) ........ 20% grade 7.5 mph (12 kph)
(6 men) 15% grade 7.5 mph (12 kph)

NEW WHEELBASE UNIT, SIDE FUEL TANK

4 OF 5 UNITS AT ONE MINE

*We reserve the right to change specifications without notice.*

**MILLER TECHNOLOGY INC.**

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Site 9, Comp. 11 — R.R. 3
North Bay, Ontario
P1B 8G4
Office (705) 476-4500

Shipping
1839 Seymour St.
North Bay, Ontario
P1B 8G4
Parts (705) 476-4405

Printed in Canada
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