

**MINEMASTER®**

# Torquematic GEN III



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The MINEMASTER® Torquematic GEN III is a robust and reliable all-in-one mining vehicle. The modular design is the result of over 5 years of continuous research and development. The Torquematic can be equipped with a wide variety of attachments, allowing one unit to handle multiple tasks with ease while reducing overall equipment cost. The heavy-duty, solid steel construction is capable of lifting 6,000 lbs. with the forklift attachment and 1,500 lbs. with the jib crane attachment. The Torquematic is the go-to machine for a mid-size, underground, multi-purpose vehicle.

## STRONG POINTS

- + CANMET certified diesel engines
- + Fully upgraded electrical system
- + Heavy-duty frame
- + Heavy-duty skid plate for protection
- + Walk-through operator compartment
- + High ground clearance
- + Protective operator guards
- + Non slip 3-point access on all entry points
- + Finite element analysis mechanical components
- + Operator and passenger suspension seating

## Front Options

### LOADER ASSEMBLY (AS SHOWN)

- Bucket or pallet forks

### CABLE PUSHER ASSEMBLY

- Used in conjunction with hydraulic cable reel

### MAN BASKET

### SCISSOR LIFT

## ADDITIONAL STORAGE

- Front tool compartment
- Rear tool compartment

## Operator Compartment

- OSHA compliant

## ROLL-OVER PROTECTION STRUCTURE (ROPS/FOPS)

(AS SHOWN)

## CANOPY

## Rear Options

### PERSONNEL CARRIER (AS SHOWN)

- 2-9 man capacity

### FORKLIFT MAST

- Standard forks or flip-up forks
- 3,500 or 6,000 lb. capacity

### BACKHOE

- Standard or side-shifting bucket, or hydraulic breaker

### JIB CRANE

- 1,500 lb. capacity

### HYDRAULIC CABLE REEL

- Used with cable pusher

### MAN BASKET

### SCISSOR LIFT



# Specifications

<b>ENGINE</b>	- Diesel powered
<b>MAKE / MODEL</b>	- Kubota / V3800DI-T-E2B
<b>KW(HP SAE GROSS) @ RPM</b>	- 74 kW (99.2 hp)
<b>CERTIFIED</b>	- TIER 3 Stage IIIA, CANMET #1225
<b>AXLES</b>	- Front: International Transmission LTD. SD55/ST - Rear: International Transmission LTD. PD70
<b>TRANSMISSION</b>	- International Transmission LTD. PS760-Powershift, full-time 4WD
<b>ELECTRICAL</b>	- Alternator: ACDelco singlewire self exciting, 105 amp, 12 VDC - Starter: NipponDenso, 3.0 kW with mechanical over-crank protection - Wiring system: discreet connection, NEMA sealed enclosures, self-extinguishing cable - Front & rear halogen work lights - Rear LED tail lights - Rear reverse activated travel alarm - Independent warning strobe light
<b>BRAKES (SERVICE)</b>	- Full split system, dual accumulators and tandem dual gain power pedal, pressure monitored service brake
<b>BRAKES (EMERGENCY)</b>	- Internal wet disc brakes
<b>TIRES</b>	- Front: Bridgestone 285/70R19.5 radial tubeless - Rear: Goodyear 16.00R20: AT2A radial tubeless
<b>LOAD SENSING</b>	- Controller: Sauer-Danfoss Steering
<b>POWER STEERING</b>	- Steering: Ackerman type with double acting cylinder and track rod interconnect

<b>HYDRAULICS</b>	- Salami tandem fixed displacement gear pump
<b>LOADER (SELF-LEVELING)</b>	- Lift capacity: 4,400 lbs. - Lift height: 131 in. (at forks)
<b>BACKHOE</b>	- Side shift: 19.5 in. per side: vertical stabilizers - Max. digging depth: 9 ft. - Bucket width: 17.7 in. - Bucket digging force: 4,100 lbs.
<b>JIB CRANE</b>	- PC2300-2 section hyd. boom extension - Max. lift: 9 ft 3 in. @ 1,500 lbs.
<b>REAR FORKLIFT 35D SERIES</b>	- Capacity: 3,500 lbs. @ 24 in. LC - Total lift height: 75.75 in. - Total mast height: 68 in.
<b>REAR FORKLIFT 60D SERIES</b>	- Capacity: 6,000 lbs. @ 24 in. LC - Total lift height: 144 in. - Total mast height: 79 in.
<b>FRONT OR REAR SCISSOR LIFT</b>	- Double scissor with 30 x 72 in. leveling platform - Capacity: 800 lbs. - Stowed height (platform): 44.6 in. - Trimming height (railing) : 91.25 in. - Standard: counter balance valving, control valve in platform & machine, emergency egress ladder
<b>PERSONNEL CARRIER</b>	- Capacity: 2-9 persons
<b>MAN BASKET</b>	- Front or rear configuration
<b>CABLE PUSHER</b>	- Hydraulic cable reel with cable pusher system
<b>REAR SHOTCRETE BOOM</b>	- PK4501B spray boom wet/semi-wet/dry - Dry max. spray height: 36.5 in. - Continuous horizontal spraying: 10 ft.
<b>SPEED PERFORMANCE (FLAT RAMP)</b>	- 1st gear: 8.5 km/hr - 2nd gear: 11 km/hr - 3rd gear: 17 km/hr
<b>AVAILABLE OPTIONS</b>	- Certified ROPS/FOPS structure - ANSUL fire suppression system

Specifications subject to change without prior notice

## TRACKS + WHEELS

tracksandwheels.com

We have built the MINEMASTER® product in several standard configurations to suit a variety of applications. We also design and build custom units based on our customers' unique needs and requirements.

Contact us at [sales@tracksandwheels.com](mailto:sales@tracksandwheels.com) for complete specifications and general arrangement of drawings of the MINEMASTER® you require.



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