

MINECAT® MC100

MINE UTILITY VEHICLE



GENERAL SPECIFICATIONS		
Seating Capacity (Including Operator)*	3 – 10	
Inner Turning Radius *	10 ft. 10 in.	3.3 m
Outer Turning Radius *	20 to 24 ft. 6 in.	6.1 to 7.47 m
Gross Weight *	10500 to 20500 lbs	4763 to 9299 kg
Cargo Capacity *	500 to 6500 lbs	227 to 2948 kg
* Based on machine configuration		

GENERAL DIMENSIONS		
Overall Height *	73 to 94 in.	1.85 to 2.39 m
Overall Width *	80.5 to 88.5 in.	2.04 to 2.25 m
Overall Length *	152 to 225 in.	3.86 to 5.72 m
* Based on machine configuration		

ENGINE	
Make / Model	Iveco / N45
Type	Turbocharged Diesel, Tier III
Certification	CANMET #1212, MSHA #07-ENA 100003-0
Rated	99 HP @ 2200 RPM
Maximum Torque	293.5 ft-lb @ 1400 RPM
Cylinders / Displacement	4 / 274 cu.in

TRANSMISSION	
Make	Turner
Type	PG 115 Powershift

FRONT AXLE		
Model	Carraro 26.19M	
Steering	Integral Steering Cylinder	
Capacity (Dynamic Load Rating)	14142 lbs.	6415 kg

REAR AXLE		
Model	Carraro 28.43M	
Capacity (Dynamic Load Rating)	16860 lbs.	7648 kg

TIRES	
Front Tires	14 x 17.5, 14-ply Heavy Duty
Rear Tires	19.5L x 24, 12-ply Heavy Duty

BRAKE SYSTEMS	
Service Brakes	Fully enclosed wet disc service brakes in both axles.
Emergency / Park Brakes	Fully enclosed, spring applied / hydraulic release (SAHR) wet disc brakes within both axles.

HYDRAULIC SYSTEM		
Type	Variable Piston Pump Load Sense	
Pump Rating	2350 psi	
Pump Displacement	65cc / rev	
Max Hydraulic Pressure	3000 psi	
Min Pilot Pressure	260 +/- 30 psi	
Hydraulic Tank Capacity	80 liters	21 US Gallons

ELECTRICAL SYSTEM	
Voltage	12V
Alternator	100 Amp Alternator
Other Features:	NEMA 12 Enclosures
Complete Mine Grade Wiring Package	Bostrig Cables Throughout

FUEL SYSTEM		
Fuel Tank Capacity	80 liters	21 US Gallons
Lift Pump	Delphi Fuel Injection System	

STANDARD EQUIPMENT	
Ammeter	Fuel Gauge
Hour Meter	Engine Temp. Warning
Engine Oil Pressure Warning	Exhaust Scrubber
Back-up Alarm	Emergency Stop Button
Horn	Neutral Safety Switch
Hydraulic Throttle	

OPTIONAL EQUIPMENT	
Aerial Booms with Man-Up Baskets	Enclosed Cabs
ANFO Tanks	Forklift Masts
Auto-greasers	Front End Loader Arms
Backhoes	ROPS / FOPS Canopies
Battery Boosters	Scissor Lifts
Cranes	Shotcreters

TRAVEL SPEED [FULLY LOADED (2500 LBS) TYPICAL PC CONFIGURATION]				
Gear:	Speed on Flat Ground:		Speed Up Ramp (20% Grade):	
1st	5 km/h	3.1 mph	5 km/h	3.1 mph
2nd	8 km/h	5 mph	8 km/h	5 mph
3rd	11 km/h	6.8 mph	10 km/h	6.2 mph
4th	18 km/h	11.2 mph	14 km/h	8.7 mph

Note: Travel speeds will vary depending on gross vehicle weight.

 Industrial Fabrication Inc.	www.minecat.com Tel. (705) 523-1621 Fax. (705) 523-0565
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