

MINECAT® MC150-eMV

ELECTRIC MINE UTILITY VEHICLE



GENERAL SPECIFICATIONS		
Seating Capacity (Including Operator)*	3 to 10 persons	
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 Vehicle Weight Rating *	10500 to 23400 lbs	4763 to 10614 kg
Cargo Capacity *	500 to 6500 lbs	227 to 2948 kg
* Based on machine configuration		

SAFETY FEATURES	
Ground Fault Protection	Sealed No-Spark Electrical System
Multiple Emergency Stops	Lock-out Disables High Voltage System
Battery/Charger/Drive Sys. Fault Alarms	Pack Contactor Monitor Circuit

ON BOARD CHARGERS †	
Charger Option:	Time to Full Charge:
3 Phase 15 kW -208 V (40A)	3 Hours (44 kWh pack)
† The MC150-eMV can be equipped with multiple chargers.	

BATTERY MANAGEMENT SYSTEM (BMS)	
Battery	Lithium-ion Cell
Lifespan	10 Years
BMS Features	Monitors State, Charge, and Balances Cells
Sealed System	IP66 Rated Seal
Multiple pack configurations available (44-88 kWh)	

ELECTRIC DRIVE SYSTEM FEATURES	
Multiple User Settings	Data Logging of Drive Cycles and Drivers
Battery Charge Gauge	Log of Speed, Idle Time, Usage
Estimated Time and Range Monitor (shows range for flat and 20% grade)	

ELECTRIC HYDRAULIC SYSTEM (EHS)		
Brake and Steering Pump	6 gpm	
Load Sense Pump (Variable Piston)	65cc / rev	
L.S. Pump Rating	2350 psi	
Max Hydraulic Pressure	3000 psi	
Min Pilot Pressure	260 +/- 30 psi	
Hydraulic Tank Capacity	80 liters	21 US gallons

ELECTRICAL COMPONENTS	
Front and Rear Lights	6-LED High Output
Other Features	NEMA 12 Enclosures
Bostrig Cables	Complete Mine Grade Wiring Package

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		

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, piston actuated.
Emergency / Park Brakes	Fully enclosed, spring applied / hydraulic release (SAHR) wet disc brakes.
Regenerative Braking	Increased efficiency, reduced wear on brakes.

STANDARD EQUIPMENT	
Fire Extinguisher	Regenerative Energy Gauge
Driver Efficiency Calculator	Ammeter
Speedometer	Hourmeter
Back-up Alarm	Emergency Stop Button
Horn	Neutral Safety Switch
Electronic Throttle	Automatic Brake Application

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