

MINECAT® 100

MINE UTILITY VEHICLE



GENERAL SPECIFICATIONS

Seating Capacity(Including Operator)	3-10 (Depending on Model)
Inner Turning Radius	10' 10" (Depending on Model)
Outer Turning Radius	20' - 24' 6" (Depending on Model)
Gross Weight	10,500 lbs - 20,500 lbs (Depending on Model)
Cargo Capacity	500 lbs - 6,500 lbs (Depending on Model)

GENERAL DIMENSIONS

Overall height	73" - 94" (Depending on Model)
Overall width	80 1/2" - 88 1/2"
Overall length	152" - 225" (Depending on Model)

TRANSMISSION

Make	Carraro
Type	4 x 4 Roboshift

FUEL SYSTEM

Fuel Tank Capacity	80 Liters
Lift Pump	Delphi fuel injection system

BRAKES

Brakes, service	Fully enclosed wet disc service brakes in both axles.
Brakes, emergency/park	Fully enclosed, spring applied, hydraulic release (SAHR) wet disk brakes within both axles.

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	

ENGINE

Make	Iveco
Model	N45
Type	Turbocharged Diesel
	Tier III
	CANMET Certification # 1212
	MSHA Certification # 07-ENA 100003-0
Rated	99 HP @ 2200 RPM
Maximum Torque	293.5 ft-lb @ 1400 RPM
No. of cylinders	4
Displacement	274 cu.in

HYDRAULIC SYSTEM

Type	Variable Piston Pump Load Sense
Pump Rating	2350 psi
Max hydraulic pressure	3000 psi
Min pilot pressure	260+/- 30 psi
Hydraulic Tank Capacity	80 Liters
Pump Displacement	65cc/rev

FRONT AXLE

Model	Carraro 26.19M
Steering	Integral steering cylinder
Capacity	14,142 lbs. dynamic load rating

REAR AXLE

Model	Carraro 28.43M
Capacity	16,860 lbs. dynamic load rating

TIRES

Tires, Front	14 x 17.5, 14 ply heavy duty front tires
Tires, Rear	19.5L x 24, 12 ply Heavy duty rear tires

ELECTRICAL

Voltage	12V
Alternator	100 amp alternator
Other features	NEMA 12 enclosures
	Complete mine grade wiring package
	Bostrig cables throughout

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

1 st gear	4 km/h (2.4 mph) on flat ground, 4 km/h (2.4 mph) up ramp (20% grade)
2 nd gear	7 km/h (4.2 mph) on flat ground, 7 km/h (4.2 mph) up ramp (20% grade)
3 rd gear	17 km/h (10.2 mph) on flat ground, 13 km/h (8 mph) up ramp (20% grade)
4 th gear	(locked out)

Note: Travel Speeds will vary depending on gross vehicle weight