

MINECAT™ NV100A



NARROW VEIN VEHICLE

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NARROW VEIN MINE UTILITY VEHICLE



GENERAL SPECIFICATIONS

Seating Capacity(Including Operator)	3-10 (Depending on Model)
Inner Turning Radius	11'-1" (Depending on Model)
Outer Turning Radius	20' - 24' 6" (Depending on Model)
Gross Weight	9,500 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	72 1/4"
Overall length	152" - 225" (Depending on Model)

TRANSMISSION

Make	Carraro
Type	4 x 4 Roboshift

FUEL SYSTEM

Fuel Tank Capacity	80 Liters
Lift Pump	Bosch 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
Reverse Lockout	Hydraulic Throttle

ENGINE

Make	Cummins
Model	QSB 3.3
Type	Turbocharged Diesel
	Tier III
	CANMET #1241
Rated	99 HP @ 2200 RPM
Maximum Torque	306 ft-lb @ 1600 RPM
No. of cylinders	4
Displacement	199 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	75 Liters

FRONT AXLE

Model	Carraro 26.20 M - 1680
Steering	Integral steering cylinder

REAR AXLE

Model	Carraro 28.20 M - 1680
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TIRES

Tires, Front	265 / 70R x 19.5 heavy duty
Tires, Rear	265 / 70R x 19.5 heavy duty

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	5 km/h (3.1 mph) on flat ground, 5 km/h (3.1 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)
4th gear	(locked out)

Note: Travel Speeds will vary depending on gross vehicle weight