

BELARUS

MT-353M2

- BELARUS MT-353M2 transport mining vehicle is designed for people transportation along arched type lateral and sloping mine openings.



ENGINE

Type	4-cylinder diesel, with direct injection
Model	D-243.2C-366
Power, kW (hp)	45 (60)
Rated speed, rpm	2200
Number of cylinders, pcs.	4
Bore/stroke, mm	110 x 125
Displacement, l	4.75
Maximum torque, N•m	274.7
Fuel rate at rated power, g/kW•h	244
Factor of torque backup, %	12
Limit carbon monoxide concentration	
In exhaust, %	0.08
Fuel tanks capacity, l	65

TRANSMISSION

Clutch	dry, single-disk
Gearbox	mechanical, 4-stage from ZIL car (158V-17.00.004)
Number of gears:	
forward/ reverse	4/1
Travel speed, km/h:	
forward	2.28-42.27
reverse	2.38-8.76

BRAKES

Service	shoe-type, four-wheel brake
Parking	prop shaft

ELECTRICAL EQUIPMENT

700W generator set with 17V rectified voltage
3 kW starting system with 12V starting motor voltage.

MAIN PARAMETERS AND DIMENSIONS

Type	two-axis, with 4x2 wheel arrangement, front driving axle
Base, mm	2600
Width, mm	2200
Height, mm	2150
Tread, mm:	
front wheels	1630
rear wheels	1630
Road clearance, mm	265
Min turning radius, m	6.5
Max lifting angle, degree	20
Max roll angle, degree	15
Tire sizes:	8.25R20

FEATURES

Providing a lowering in 1400x4000 mm mine opening; operation at 1000 m depth with 1.5gram/m3 dustiness of air.



"BELARUS" MP-403M mining fire machine is designed for transportation of six people team to the site of the fire and its extinguishing in arched type underground mines.