

DIESEL ENGINE

YMZ-53403



YMZ

EURO 5

- Wide power range of 150-210 hp and torque of 490-780 Nm provide optimal tractive and dynamic characteristics of the vehicles
- Euro-5
- Improved technical and economic parameters of the engine
- Increased reliability and a vehicle service life up to 1 million km
- Maintenance interval of 50 thousand km
- Low owning cost

TECHNICAL SPECIFICATION OF YMZ-53403

Basic model and versions	YMZ-53403	YMZ-53423	YMZ-53443
Bore and Stroke, mm	105 x 128		
Displacement, l	4,43		
Cylinder number and arrangement	L4		
Rated power, gross, kW (hp)	154,4 (210)	125 (170)	110 (150)
Net power (UN Regulations No. 85), kW (hp)	153,6 (208,9)	124 (168,5)	109 (148,5)
Rated speed, rpm	2300		
Maximum torque, gross, Nm (kgf·m)	780 (79,5)	664 (67,7)	493 (50)
Speed at maximum torque, rpm	1200-1600	1200-1600	1200-2100
Minimum specific fuel consumption, g/kW·h (g/hp·h)	198 (146)	193 (142)	197 (145)
Overhaul life, km	900 000	600 000	700 000
Overall dimensions, mm L / W / H	886 / 708 / 970	890 / 717 / 961	941 / 715 / 976
Weight, kg	500	480	480
Application	buses	buses	vehicles, buses

Engine type

4-cylinder in-line diesel engine of YMZ-530 family, 4-stroke, liquid-cooled, turbocharged, air-to-air cooling

Design features of Euro-5 versions

To achieve Euro-5 level and higher technical and economic parameters the following systems are applied:

- EGR system (exhaust gas recirculation) and exhaust catalyst
- fuel injection equipment with increased injection power
- upgraded turbocharger system with turbochargers produced by "Turbotechnika" or Borg Warner

Ecology

Engine complies with UN Regulations No. 24-03, No. 49-05G (B2) - Euro-5

The upgraded Euro-5 electronically controlled fuel injection system of common rail type includes a new high pressure fuel pump of 531 series developed by YZDA and, fully adapted to operation with Bosch components



GAZ Group

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Further consulting on performed products is always provided for by the producer or the official dealer.

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