

DIESEL ENGINE **YMZ-53603**



YMZ

EURO 5

- Wide power range of 240-330 hp and torque of 900-1370 Nm provide optimal traction and dynamic characteristics of the vehicles
- Emission class 5 (euro-5)
- Improved technical and economic parameters of the engine
- Increased reliability and a vehicle service life is up to 1 mln. km
- Maintenance interval is up to 50 thous. km
- Maximum standardization with models euro-4
- Low maintenance cost

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TECHNICAL SPECIFICATIONS OF YMZ-53603

Basic model and versions	53603	53623	53653	53673	53613	53633	53663
Bore and Stroke, mm	105 x 128						
Total displacement, l	6,65						
Cylinder number and arrangement	L6						
Rated power, gross, kW (hp)	243 (330)	202 (275)	176 (240)	243 (330)	229 (312)	203 (276)	181 (246)
Net power, kW (hp), UN regulations No.85	241 (328)	201 (273)	175 (238)	241 (328)	228 (310)	202 (275)	180 (245)
Rated engine speed, min ⁻¹	2300±25						
Maximum torque, gross, Nm (kgf m)	1275 (130)	1177 (120)	1049 (107)	1370 (140)	1226 (125)	1255 (128)	900 (92)
Speed at maximum torque, min ⁻¹	1300...1600						
Minimum specific fuel consumption, g/(kW·h) /g/(hp·h)	195 (143)						
Burning oil consumption, % of fuel consumption	0,1						
Overhaul life, km	1 000 000				900 000		
Weight, kg	640				640		
Purpose	MAZ automobiles with weight up to 36 t	MAZ, "Ural" automobiles with weight up to 30 t	MAZ automobiles with weight up to 26 t	"Ural" automobiles with weight up to 26 t	LiAZ buses LiAZ-6212, "Ural" automobiles up to 26 t	LiAZ buses LiAZ -5292	LiAZ buses LiAZ -5292, -5293, -5256

Engine type

6-cylinder in-line diesel engine of YMZ-530 family, 4-stroke, liquid-cooled, turbocharged, supercharged air-cooled, "air-air" type

Ecology

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

Design features of models euro-5

Structurally new YMZ-530 engine models are maximum standardized to match with euro-4 analogues

To achieve the level of environmental class euro-5 and higher technical and economic parameters the SCR (selective catalytic reduction) and exhaust catalytic converter systems are applied

The engines can be equipped with gearboxes and clutches according to SAE 1



"Avtodizel" (YaMZ) JSC

75. prospect Oktyabrya,
Yaroslavl, Russia, 150040
+7 (4852) 58-81-20, 58-78-78

www.gazgroup; www.ymzmotor.ru

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