MD485
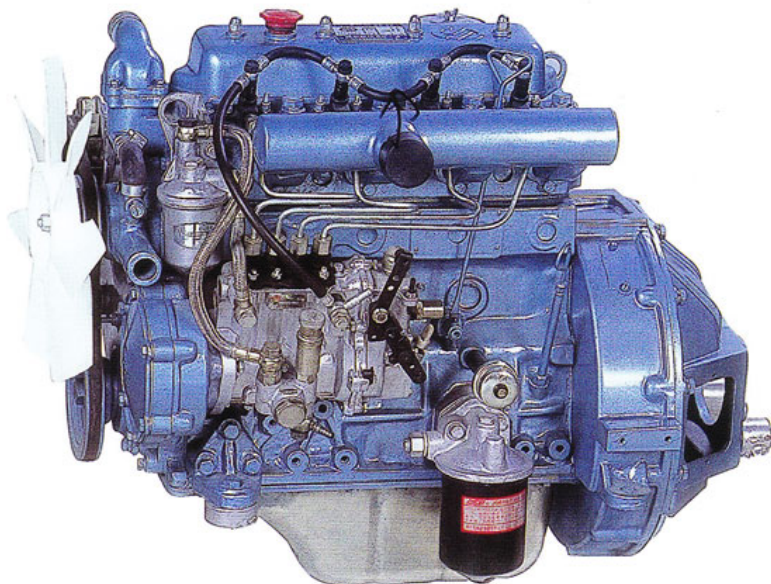# DIESEL ENGINE

■ Products Introduction

MD485 diesel engines are new type, direct-injection engines made on the basis of MD485 diesel engines. They have the following features:(1) Through simulation test for engine body, small curve surface is added to big curve surface of each cylinder skirt and thickness of bottom plate is increased, which have greatly raised rigidity of engine body and reduced vibration, noises, so performance and liability of motor have been raised. (2) In line with suggestions of AVL Co., spiral intake passage has been redesigned and direct-injection combustion chamber been adopted, which have reduced the lowest oil consumption ratio as displacement and starting performances. (3) Cooling system of motor has been improved. Water can enter from two sides, so cylinder sleeves can be evenly cooled. (4) The adoption of self-clean wedge-shaped iron ring be coked. (5) Installing dimensions are similar to MD485 diesel engines. (6) Oil pump is installed before the engine body, so adaptability has been raised. MD485 diesel engines have the following features: High output, small volume, excellent comprehensive performance, extensive auxiliary. They are ideal power units for agro-vehicle and other small machinery.

MODEL		MD485
Type		Vetrical, water-cooling, 4-stroke, direct-injection combustion chamber
No. of cylinders		4
Bore x stroke	(mm x mm)	85 x 90
Compression ratio		22
Total displacement	(L)	2.043
Cylinder order		1-3-4-2
Full load fuel consumption	(g/kW - h)	< 248.8
Rated power / speed	(kW/r/min)	34/3000
Max.torque	(N.m)	> 112
Specific lube oil consumption	(g/kW - h)	< 2.72
Cooling fashion		Cooling by water forced
Lubrication fashion		Splashing under pressure
Starting fashion		Started by electric motor
Overall dimensions(mm)	(L x H x W)	687 x 494 x 615
Net weight	(kg)	200

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