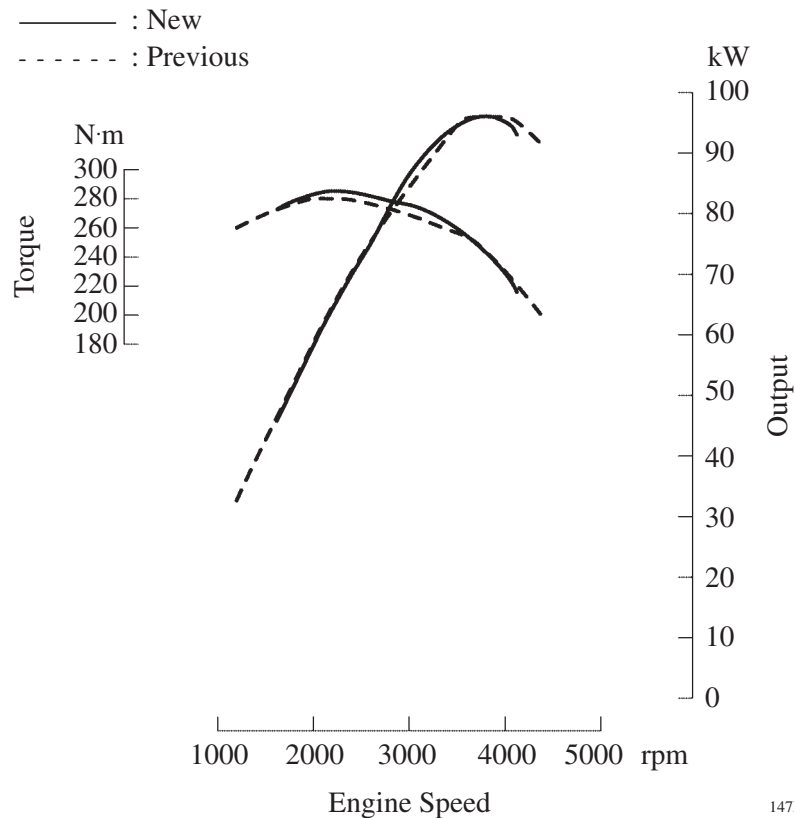


■ ENGINE SPECIFICATIONS AND PERFORMANCE CURVE (1HZ ENGINE)

1HZ Engine		New	Previous
Item			
No. of Cyls. & Arrangement		6-Cylinder, In-Line	←
Valve Mechanism		12-Valve, OHC, Gear and Belt Drive	←
Combustion Chamber		Swirl Type	←
Manifolds		Cross-Flow	←
Displacement cm ³ (cu. in.)		4164 (254.0)	←
Bore x Stroke mm (in.)		94.0 x 100.0 (3.70 x 3.94)	←
Compression Ratio		22.4 : 1	22.7 : 1
Max. Output	SAE-NET	96 kW @ 3800 rpm	96 kW @ 4000 rpm
	SAE-GROSS	100 kW @ 3800 rpm	100 kW @ 4000 rpm
Max. Torque	SAE-NET	285 N·m @ 2200 rpm	280 N·m @ 2000 rpm
	SAE-GROSS	290 N·m @ 2200 rpm	285 N·m @ 2000 rpm
Valve Timing	Intake	Open	8° BTDC
		Close	36° ABDC
	Exhaust	Open	51° BBDC
		Close	5° ATDC
Fuel Cetane Number		48 or higher	←
Oil Grade		API CF-4	API CD or Better



147EG29

The engine performance curve above is shown in SAE-NET figures.