1BZ-FPE ENGINE

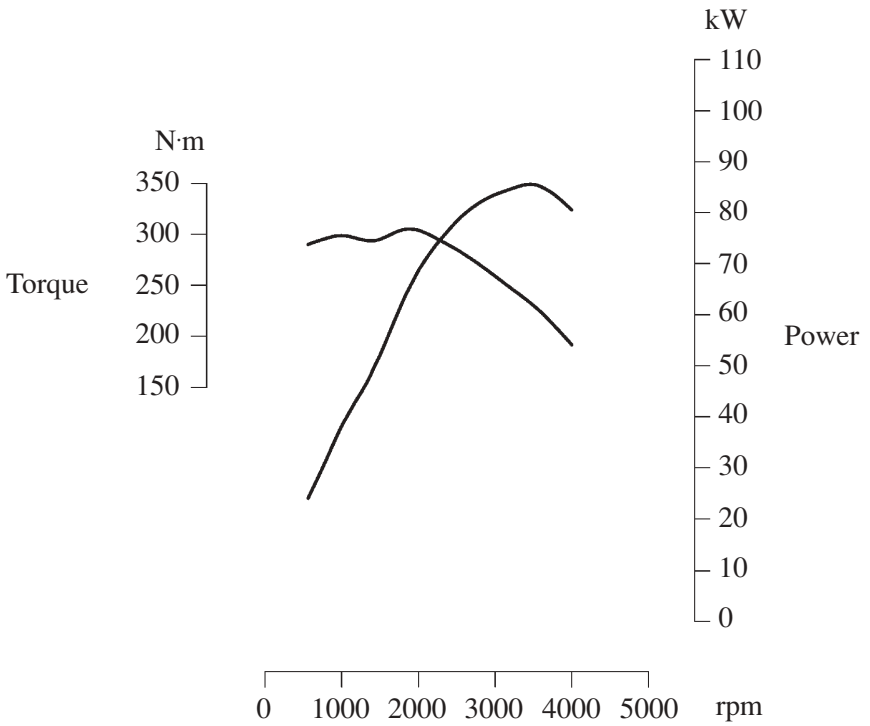
■ DESCRIPTION

- The 1BZ-FPE engine, which is an in-line, 4-cylinder, 4.1-liter, 16-valve OHV engine, based on the 15B-FTE engine on the new Coaster.
- This engine has following features that have been optimized in order to realize the further improvement of the engine performance, fuel economy and to reduce exhaust emissions.
  - The fuel of this engine is LPG (Liquified Petroleum Gas).
  - The electronically controlled carburetor has been adopted.
  - The various safety mechanisms has been adopted to the fuel tank.

▶ Engine Specifications ◀

Engine Type			1BZ-FPE
No. of Cyls. & Arrangement			4-cylinder, In-line
Valve Mechanism			16-valve, OHV, Gear Drive
Combustion Chamber			Bathtab
Manifolds			Cross-Flow
Fuel System			Carburetor (Electronically Controlled)
Displacement cm^3 (cu. in.)			4104 (250.4)
Bore x Stroke mm (in.)			108.0 x 112.0 (4.25 x 4.41)
Compression Ratio			9.5
Max. Output [SAE-NET]			85 kW @ 3600 rpm
Max. Torque [SAE-NET]			306 N·m @ 2000 rpm
Valve Timing	Intake	Open	13° BTDC
		Close	45° ABDC
	Exhaust	Open	44° BBDC
		Close	7° ATDC
Firing Order			1-3-4-2
Dry Weight kg (lb)			295 (650)
Oil Grade			API SL, SJ

▶ Performance Curve ◀



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