

## ■ 1KZ-TE ENGINE

### 1. General

EGR system with valve position sensor has been adopted in order to comply with the European STEP II regulations.

#### ► Engine Specifications ◀

Model			New	Previous
No. of Cyls. & Arrangement			4-Cylinder, In-Line	←
Valve Mechanism			8-Valve OHC, Gear & Belt Drive	←
Combustion Chamber			Swirl Type	←
Manifolds			Cross-Flow	←
Fuel System			EFI	←
Displacement		cm <sup>3</sup> (cu. in.)	2982 (182.0)	←
Bore x Stroke		mm (in.)	96.0 x 103.0 (3.78 x 4.06)	←
Compression Ratio			21.0 : 1	←
Max. Output		EEC	85 kW @ 3600 rpm	←
Max. Torque		EEC	315 N·m @ 2000 rpm	←
Valve Timing	Intake	Open	6° BTDC	←
		Close	32° ABDC	←
	Exhaust	Open	53° BBDC	←
		Close	3° ATDC	←
Firing Order			1-3-4-2	←
Fuel Cetane Number			50 or more	←
Emission Regulation			European STEP II	
Oil Grade			API CF-4 or CF	←