

Main Features of 3UZ-FE

- Torque in all speed ranges, particularly in the low- to medium-speed range, has been improved through the use of the VVT-i (Variable Valve Timing-intelligent) system and the ACIS (Acoustic Control Induction System). In addition, low exhaust emissions have been achieved through precision exhaust gas feedback using an air assist system and an O2 sensor, a stainless steel exhaust manifold, and an ultra thin-wall, high cell density ceramic catalyst that excels in catalyst warm-up performance.

3UZ-FE Engine Features List

Item	High Performance/Fuel Economy	Compact / Lightweight	Cleaner Exhaust Gas	Low Noise/ Low Vibration	Improved Reliability
VVT-i(Variable Valve Timing-intelligent)	○		○		
Plastic Engine Cover				○	
Aluminum Alloy Cylinder Head	○	○			
Aluminum Alloy Cylinder Block	○	○			
Aluminum Alloy Oil Pan No. 1 Integrated with Stiffeners		○		○	
Vertical Intake Port	○		○		
Slanted Squish Combustion Chamber	○		○		
Three-Way Split Timing Belt Cover				○	
Inner Shim Type Valve Lifter	○				
Resin Coated Piston	○				○
Accessory Serpentine Drive	○				○
Electronically Controlled Cooling Fan	○			○	○
Fuel Returnless System		○	○		
Air Assist Type Compact Fuel Injector		○	○		
ACIS(Acoustic Control Induction System)	○				
Compact Plug-In Type Hot Wire Airflow Meter	○	○			
Full Fabric Air Filter Element		○			
Single Valve Electronically Controlled Throttle Valve	○	○			
Long Port Intake Manifold	○				
Stainless Exhaust Manifold		○	○	○	
Exhaust Manifold Insulator with Vent Holes	○				○
Ultra Thin-Wall High Cell Density Ceramic Catalyst		○	○		
Large-Diameter Water Pump	○				○
Segment Conductor Type Alternator	○	○		○	
DIS(Direct Ignition System)	○			○	○
Iridium Center Core Spark Plug	○				

Item	High Performa nce/Fuel Economy	Compact / Lightweig ht	Cleaner Exhaust Gas	Low Noise/ Low Vibration	Improved Reliabilit y
Liquid-Filled Engine Mount				○	
Diagnosis					○