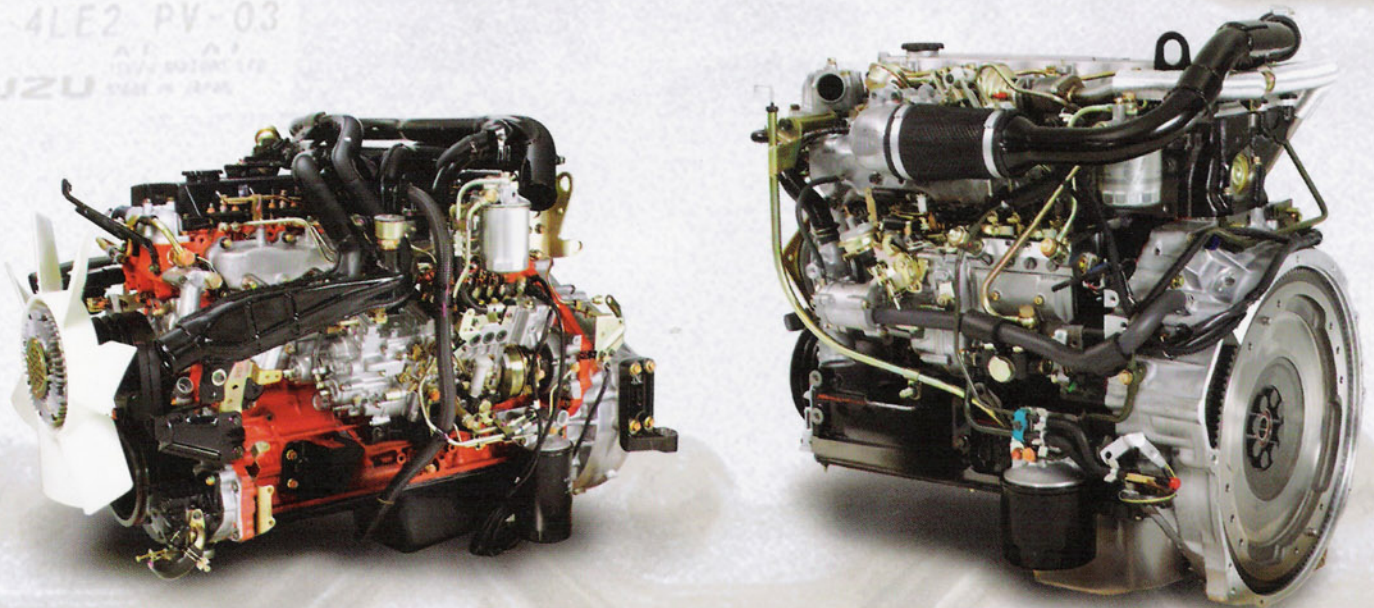


Automotive Engine Technical Information

		4JB1	4HF1	6HH1
Type:		Four Cycle, Water Cooled, OHV, Inline, Direct Injection, Diesel Engine	Four Cycle, Water-Cooled, Overhead Cam, Inline, Direct Injection, Diesel Engine	
Number of cylinder		4	4	6
Bore and Stroke (mm)		93 x 102	112 x 110	115 x 132
Displacement (liter)		2.8	4.334	8.226
Rating:	Output, kW (PS) / rpm	59 (80) / 3600	88 (120) / 3,200	147 (200) / 2,850
	Max. Torque, N-m (kg-m) / rpm	170 (17) / 2000	285 (29) / 1,800	500 (51) / 1,700
Emission		Euro 1	Euro 1	Euro 1
Air Intake System		Naturally Aspirated	Naturally Aspirated	Naturally Aspirated
Lub. System		Full Forced Pressure Feed Type		
Oil Pump		Gear type		
Lub. Oil Cap. (liters)		8.1	9	15
Cooling System		Pressurized Centrifugal Water Pump Type		
Fuel System		By Plunger and Nozzle, High Pressure Solid Injection Type		
Injection Type		Bosch "A" Type, Mechanical		
Electrical System	Negative Grounding System	12 volts	24 volts	24 volts
Starter, (V-KW)		12-2.0	24-4.0	24-4.5
Alternator, (AMP.)		60	50	40
Dry Weight, (kg)		230	335	525
Dimension, (LxWxH) mm		739 x 539 x 762	830 x 605 x 750	1272 x 675 x 835
Axle Studs		6	5	8
Application		Jeepney Repowering / Standard Non-Aircon Jeepney / Local AUV	Jeepney Repowering / Jumbo jeepney Aircon or Standard Non-Aircon / Light Truck Repowering	Bus Repowering / Bus Aircon or Standard Non-Aircon / Medium Truck Repowering
Other Available Powertrain		Transmission - Front Axle - Rear Axle including other major powertrains	Transmission - Front Axle - Rear Axle including other major powertrains	Transmission - Front Axle - Rear Axle including other major powertrains

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