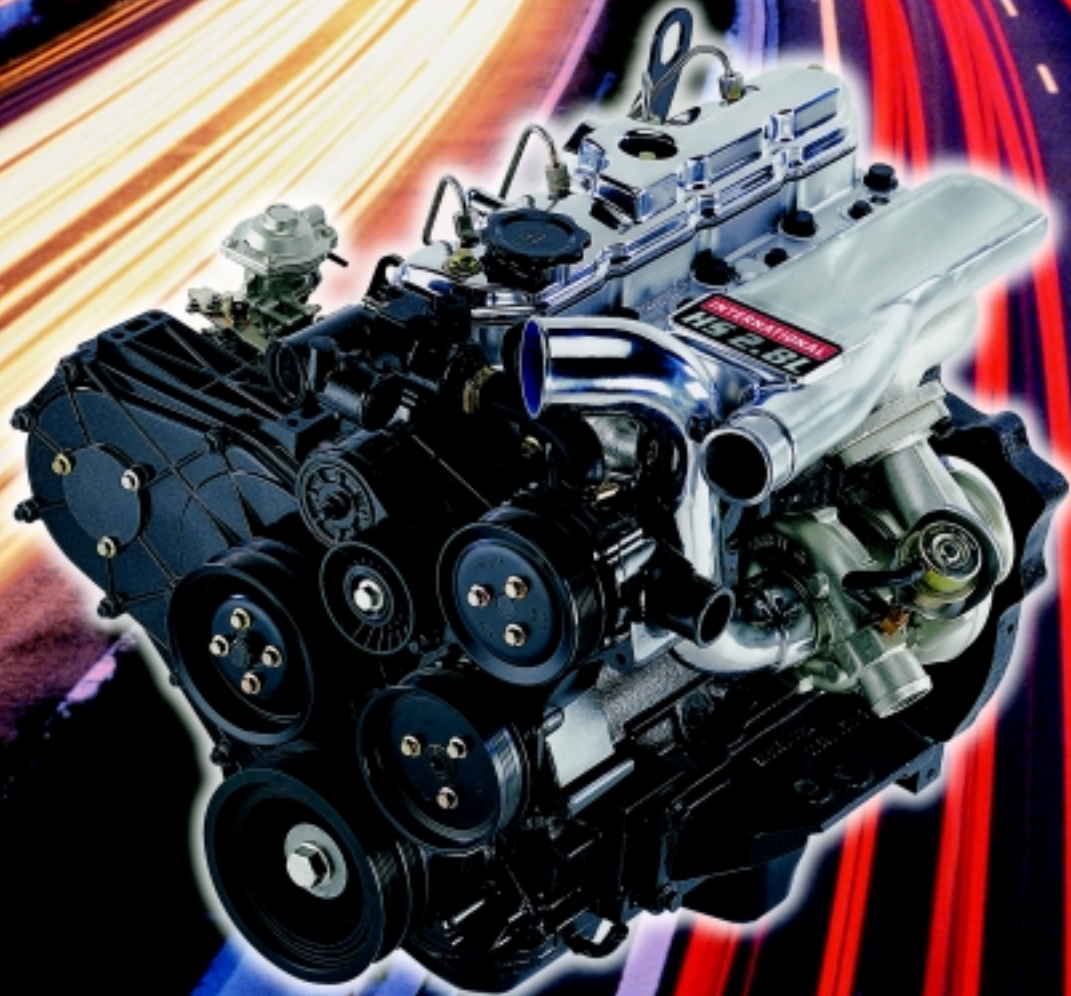


INTERNATIONAL[®] *HS 2.8L*



TURBO DIESEL WITH THE MOST POWER AND TORQUE IN IT'S CATEGORY

Also the most quiet Diesel power plant for pickup trucks, vans, and heavy vehicles up to 6 t GVW. Introduced to South America the Variable Nozzle Turbocharger (VNT) technology that provides fast throttle response at any engine RPM, allowing trucks to accelerate like passenger sedans.

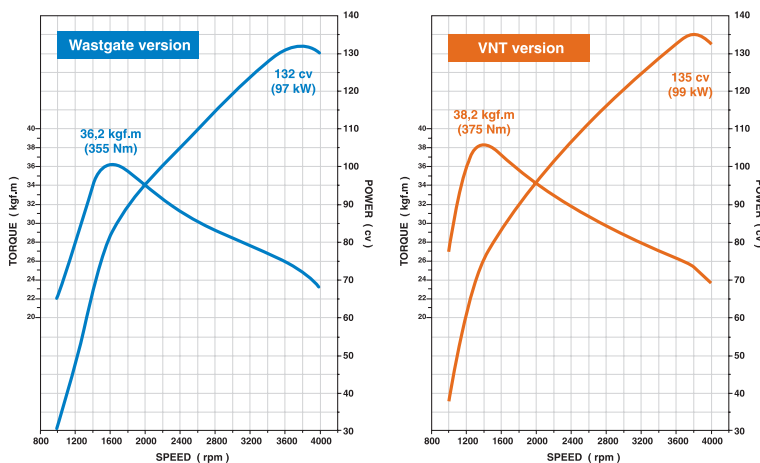


INTERNATIONAL[®]
Engines

TECHNICAL DATA

	Wastegate version	VNT version
Configuration	In line 4 cylinder	In line 4 cylinder
Displacement	2,8 liters	2,8 liters
Bore x Stroke	93 x 102,5 mm	93 x 102,5 mm
Combustion system	Direct Injection	Direct Injection
Cicle	Diesel - 4 times	Diesel - 4 times
Injection system	Rotary injection pump VP14 - High Pressure	Rotary injection pump VP14 - High Pressure
Aspiration	Wategate Turbochargercooler	Variable Nozzle Turbochargercooler
Power output	132 cv (97 kW) @ 3800 RPM	135 cv (99 kW) @ 3800 RPM
Peak torque	36,2 kgf.m (355 Nm) @ 1600 RPM	38,2 kgf.m (375 Nm) @ 1400 RPM
Dimensions (LxWxH)	700 x 762 x 826 mm	700 x 762 x 826 mm
Dry weigth	205kg	208kg

POWER CURVES



MAIN FEATURES

Fracture split conn-rod

With stepped small end and optimized structure. High load capacity.



Combustion system

- Enhanced combustion technology
- New ports with optimized swirl
- New combustion bowl design
- High pressure fuel rotary pump
- VCO, hydro-grinding and two stage injectors
- Low inertia VNT or WG turbocharger



Variable Nozzle Turbocharger (VNT)



VNT turbochargers adjust the gas cross section at the inlet of the turbine wheel in order to optimize turbine power with the required load. At low engine speed and small gas flow, VNT turbochargers reduce the cross section, increasing turbine power and boost pressure. At full engine speed/load and high gas flow, the VNT turbocharger increases cross section, avoiding turbocharger overspeed and keeping the boost pressure level required by the engine.