

The Advanced Hybrid System

Engine / Motor
Maximum Output

105PS / 43.5PS



Top-class engine efficiency

Thermal efficiency 40%



High Performance
High Efficiency Battery



Lithium Ion Polymer

Smooth Change of Gears

HEV Exclusive DCT



New Hybrid Exclusive Engine

World's highest thermal efficiency of 40%
(Atkinson cycle)

- + Long stroke
(stroke-bore ratio 1:35)
- + Optimized cooling:
Head and block split cooling

Max. output

105PS

Max. torque

15.0kgf-m



Lithium Ion Polymer Battery

- + Outstanding charge/discharge performance compared to nickel metal battery and strong efficiency
- + Excellent high voltage safety through four-layer safety technologies



Permanent Magnet Electric Motor

- + High (95%) efficiency by applying declination coils

Max. output

43.5PS (32kW)

Max. torque

17.3kgf-m



Dual Clutch Transmission*

- + Newly developed 6-speed DCT*
- + Enhanced fuel efficiency and class-leading power transmission efficiency (95.7%)
- + Optimized for engine / electric motor



* Exclusive to hybrid