Automotive Engineering3. Research Vehicles



Opel Ampera

Vehicle with Range Extender for the Examination of drive concepts

Maximum power: 111 kW / 150 hp

Max. Torque: 370 Nm
Vmax: 161 km / h
0-100 km / h: <10 sec
Empty weight: 1732 kg

· Electric drive: 54 kW generator

16 kWh battery40-80 km range



Range Extender: 4 cylinder Otto engine, 1398 cm³

63 kW/86 hp at 4800 rpm >400 km range

Mitsubishi i-MiEV

· Vehicle with electric drive

· Investigation of drive concepts

Investigation of HMI

Power: 49 kW/67 PS Range: 150 km 0-100 km/h: 15,9 s Empty weight: 1110 kg

Vmax.: 130 km/h Capacity: 16 kWh



Land Rover Range Rover Evoque

 Vehicle with dynamic tire pressure control, semiactive suspension and decoupled braking system with continuous wheel-slip control

· Examination of driving dynamics

Power: 110 kW/150 PS

 Inertia:
 380nm

 Vmax.:
 182 km/h

 Empty weight:
 2275 kg

 Tire size:
 235/55 R19



