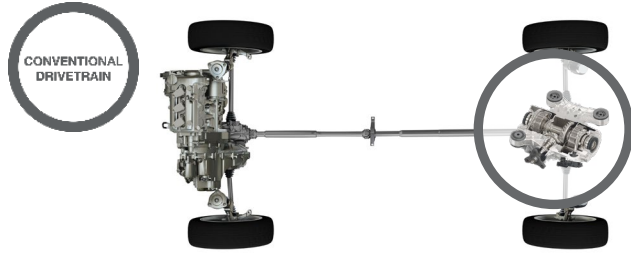


Magna PerformMax™ Rear Drive System in Cupra Formentor VZ5



Magna PerformMax™ Rear Drive System for Cupra Formmentor VZ5

Rear Axle



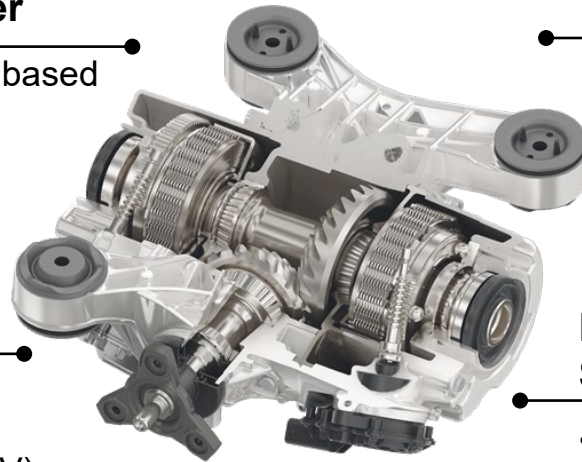
The dual-clutch torque vectoring rear drive system allows for independent torque to be provided to the rear left and right wheels. With this, a superior driving performance can be achieved.

Magna Vehicle Controller

- Advanced control strategy based on physical vehicle model
- Closed loop yaw control

Variability

- SW calibration supports different vehicle segments (from B/C-Sedan to C/D-SUV)
- Different driving modes for each vehicle (Comfort; Sport; Cupra (Race); Torque Rear (Drift); Offroad)



Torque Vectoring

- Stable performance across the complete temperature range
- Lowest hysteresis by advanced position controls

Electromechanical Actuation System

- Two brushless motor integrated actuators
- Ball-ramp type actuation system



PerformMax™ Dual-Clutch Rear Drive System

Safety

Throttle-off closed loop yaw damping

Convenience

5 driving modes with noticeable changing vehicle behavior

Dynamics

3,500 Nm axle torque capacity
(1,750 Nm per side)

Technical details:

Axle ratio: 27:17

Feature: MSE-ISP
(latest gen. integrated ACTR)



Pre-Development Released for Acquisition Serial Development **Serial Production**

Magna PerformMax™ Rear Drive System for Cupra Formentor VZ5

Rear Axle



The dual-clutch torque vectoring rear drive system allows for independent torque to be provided to the rear left and right wheels. With this, a superior driving performance can be achieved.



Features/Specifications

Cupra Formentor VZ5

Engine type:	2.5 l gasoline I5
Engine power:	287 kW
Engine torque:	480 Nm
Ratio PTU:	1.59
Ratio RA:	1.59

Magna Technology
PerformMax™
Dual-Clutch Rear Drive System



Pre-Development Released for Acquisition Serial Development **Serial Production**