

4-Wheel Drive System

UltiMax™ Active

Magna Powertrain's UltiMax™ Active Transfer Case is a two-speed transfer case with a multi-plate wet clutch and electromechanical ball ramp type actuation.



Features and Specifications

- Integrated Control Module / Actuator (brushless DC motor)
- On-axis oil pump
- 2100 Nm nominal clutch torque capacity
- Functional safety rating: ASIL B
- Center distance: 233.4 mm
- Low ratio: 2.72:1 (3 pinion)
- Right hand drop (all others left hand)

Competitive advantage/differentiators

- Integrated Control Module / Actuator (brushless DC motor) or Stand-alone control module / Actuator (brushed DC motor)
- Locking function of the clutch ensures excellent traction in off-road driving maneuvers
- Neutral Mode for flat towing possible

Applications

- SUVs, Pickup trucks
- Nominal clutch torque capacity scalable according to application needs (up to 3800 Nm)

SOP

Ideation

Discovery

Concept

Development

Serial Preparation

in Production

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Features and Specifications

- Stand-alone control module
- Brushed DC motor
- On-axis oil pump
- 3800 Nm nominal clutch torque capacity
- Functional safety rating: ASIL B[D]
- Center distance: 270.5 mm
- Low ratio: 2.72:1 (6 pinion)
- Left hand drop

Competitive advantage/differentiators

- Integrated Control Module / Actuator (brushless DC motor) or Stand-alone control module / Actuator (brushed DC motor)
- Locking function of the clutch ensures excellent traction in off-road driving maneuvers
- Neutral Mode for flat towing possible

Applications

- SUVs, Pickup trucks
- Nominal clutch torque capacity scalable according to application needs (up to 3800 Nm)

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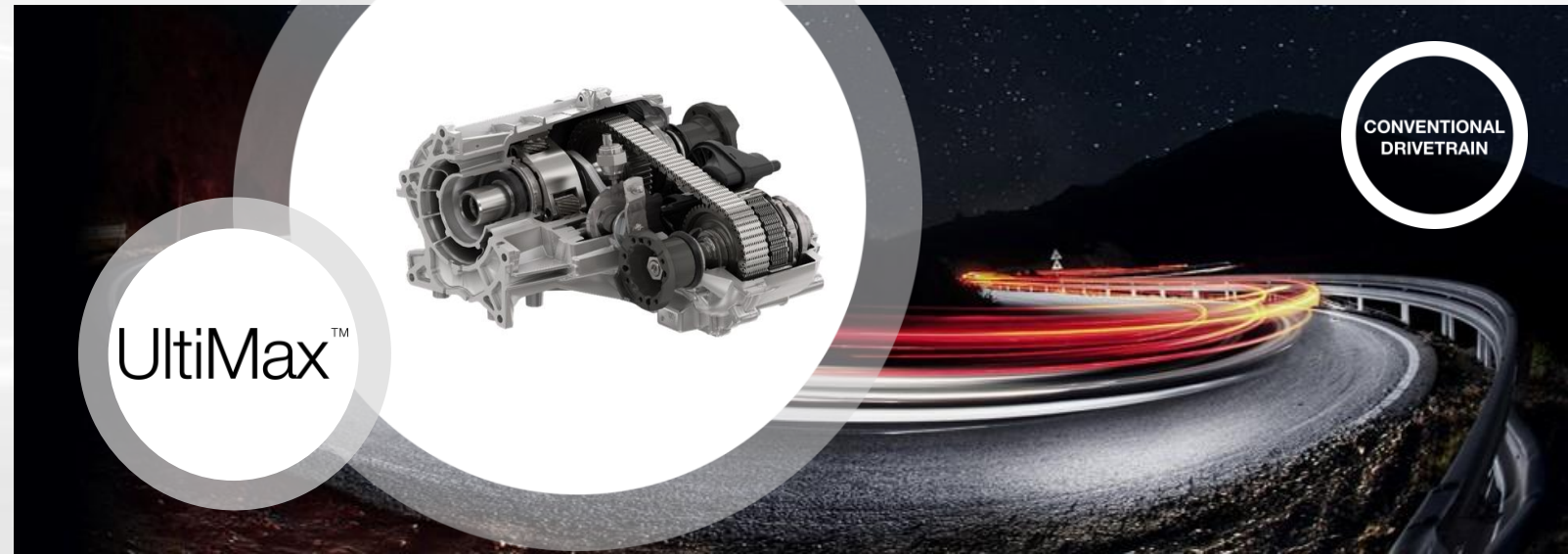
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Features and Specifications

- Brushed DC motor w/solenoid brake
- On-axis oil pump
- 1600 Nm nominal clutch torque capacity
- Functional safety rating: QM
- Center distance: 242.9 mm
- Low ratio: 4.0:1 (4-pinion) or 2.72:1 (3-pinion)
- Left hand drop

Competitive advantage/differentiators

- Integrated Control Module / Actuator (brushless DC motor) or Stand-alone control module / Actuator (brushed DC motor)
- Locking function of the clutch ensures excellent traction in off-road driving maneuvers
- Neutral Mode for flat towing possible

Applications

- SUVs, Pickup trucks
- Nominal clutch torque capacity scalable according to application needs (up to 3800 Nm)

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Features and Specifications

- Stand alone control module
- Brushed DC motor (w/solenoid brake)
- On-axis oil pump
- 1600 Nm nominal clutch capacity
- Functional safety ASIL B[D]
- Center distance: 242.9 mm
- Low ratio: 2.72 (3 pinion)
- Left hand drop

Competitive advantage/differentiators

- Integrated Control Module / Actuator (brushless DC motor) or Stand-alone control module / Actuator (brushed DC motor)
- Locking function of the clutch ensures excellent traction in off-road driving maneuvers
- Neutral Mode for flat towing possible

Applications

- SUVs, Pickup trucks
- Nominal clutch torque capacity scalable according to application needs (up to 3800 Nm)

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Features and Specifications

- Stand-alone control module
- Brushed DC motor
- On-axis oil pump
- Mechanical locking feature in 4Lo mode
- 2250 Nm nominal clutch torque capacity
- Center distance: 233,3 mm
- Low ratio: 2.69:1

Competitive advantage/differentiators

- Integrated Control Module / Actuator (brushless DC motor) or Stand-alone control module / Actuator (brushed DC motor)
- Locking function of the clutch ensures excellent traction in off-road driving maneuvers
- Neutral Mode for flat towing possible

Applications

- SUVs, Pickup trucks
- Nominal clutch torque capacity scalable according to application needs (up to 3800 Nm)

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