

BORGWARNER

# eXD electric Cross Differential

26.02.2024 – 08.03.2024

Arctic Drive Arjeplog 2024 -  
Demonstrator Car Key Facts

# TECHNOLOGY electric Cross Differential (eXD)

## ► VEHICLE PLATFORM Volvo C40 Recharge

**VEHICLE SPECIFICATION**  
Dual Motor

**Front Propulsion**

- Retrofitted eXD (eFXD)
- Integrated eXD Torque 2 500 Nm
- Motor Type PMSM
- Motor Power 170 kW
- Wheel Torque 3 300 Nm

**Rear Propulsion**

- Retrofitted eXD (eRXD)
- Integrated eXD Torque 2 500 Nm
- Motor Type PMSM
- Motor Power 170 kW
- Wheel Torque 3 300 Nm

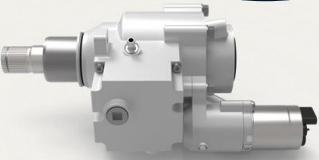
**Battery**

- Nominal Voltage 400 V
- Capacity 78 kWh



KEY FEATURES and BENEFITS
INTEGRATED DRIVE MODULE (iDM) FEATURING eXD
VEHICLE DYNAMICS CONTROL SOFTWARE HANDLING SLIP CONTROLLER, LONGITUDINAL AND LATERAL TORQUE
CUSTOMER INTERFACE FOR VEHICLE TUNING ON-THE-FLY
POSSIBILITY TO EMULATE MULTIPLE VEHICLE PROPULSION ARCHITECTURES

Applicable BorgWarner Portfolio

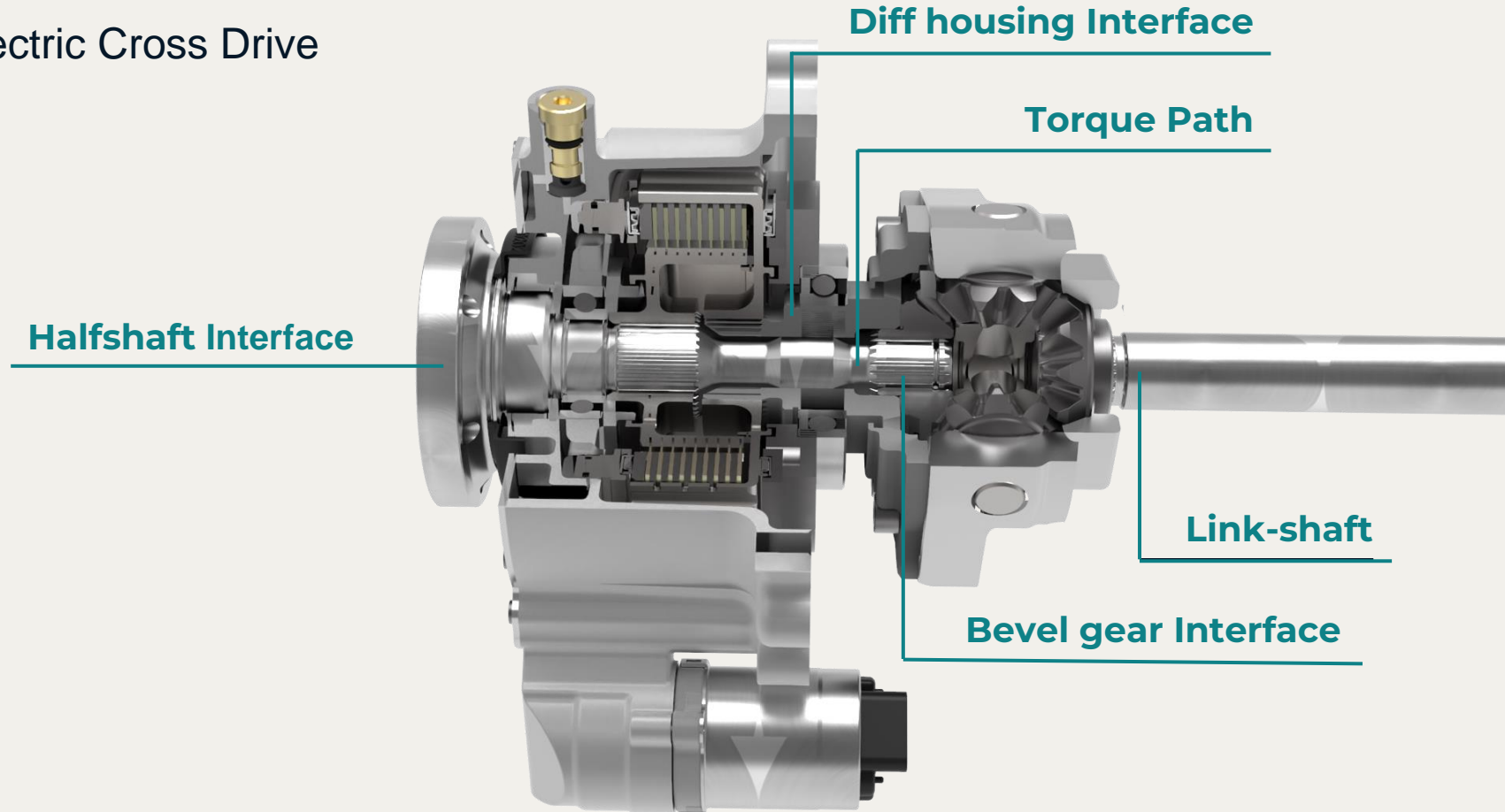
**eXD**

**iDM**

**Vehicle Controls**

# Hardware Description

- eXD – electric Cross Drive



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