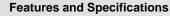
Dedicated Hybrid Drive

Dedicated Hybrid Drive DHD Duo

The dedicated hybrid drive DHD Duo is a two e-motor concept suitable for HEV applications, delivering outstanding performance with high drivability and comfort even when driving in congested traffic. DHD Duo is developed in a platform approach, scalable in power and in number of gears to meet B to E vehicle segment requirements. It enables a flexible architecture switch between P1 + P3, P2 + P3 and Range Extender (REEV).



· Maximum ICE torque:

E-motor:

Generator:

• Electric System Power P2+P3:

· Installation length:

Center distance:

up to 300 Nm e-boost up to 500 Nm up to140 kWp up to 260 Nm peak up to 90 kWp up to 230 kWp > 350 mm

> 197 mm

Competitive advantage/differentiators

 *Fuel consumption reduction vs. DCT: WLTC: up to -36 %

CLTC: up to -45 %

- Very good acceleration performance due to the interaction of high-powered e-motor and a multi gear approach
- Very smooth & comfortable driving in all driving conditions supported by electric, serial and parallel driving modes
- · Shifting without notice for the multi-speed architecture

Applications/benefits

- Covers B to E vehicle segment incl. SUV (FWD)
- Reuse of mature technologies & building blocks, ASIL C for e-motor and inverter
- · 140 kW high e-motor peak power
- Impressive acceleration performance, comparable to a BEV



* DHD Duo w/ 1.5l 120 kW 4-Cyl. Miller Cycle Gasoline (max. eff. at 41%); DCT w/ 35.5% engine eff.

Ideation

Discover

Concept

Development

Serial Preparation

in Production