

FPT ePowertrain solutions

Innovation and sustainability have always been fundamental characteristics of FPT Industrial. In order to remain at the forefront of technological advancements and effectively respond to market needs, the Brand created ePowertrain department in 2018. With main hubs based in the R&D centers in Arbon, Switzerland, Coventry, UK and Turin, Italy, the ePowertrain department is focused on developing the powertrains of tomorrow, today. Being a global leader means setting new targets that grow more challenging every day. To reach them, we have drawn on our expertise along with the best innovative start-ups worldwide, through partnerships, acquisitions and joint ventures. Now, we can proudly display the results, showcasing our full range of ePropulsions and Energy Storage and Management solutions.

Electric Driveline

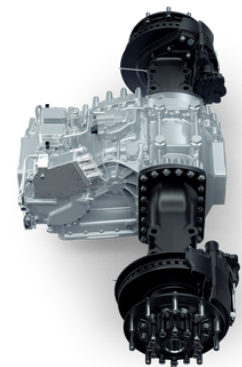
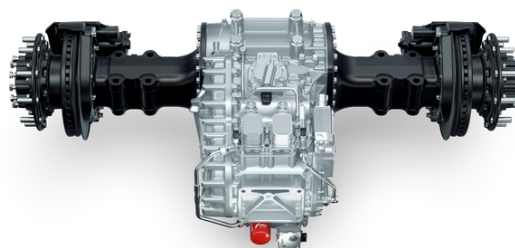
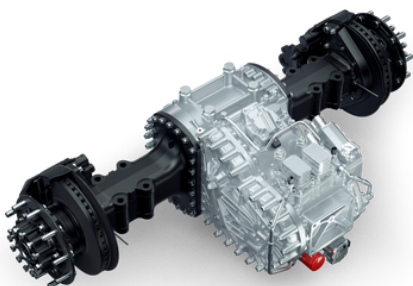
FPT Industrial is responding to the crucial challenges of transport sustainability, energy transition and CO₂ emission reduction with a complete range of innovative products. Designed to fully integrate all ePowertrain elements into a compact solution, capable of accommodating both the commercial load and the battery packs, the new eAxles and Central Drive offer outstanding performance and reliability, according to the mission application.

Specifications (pilot phase)

Model:	eAX 375-R
Application:	H&MCV 4x2 & 6x2 HCV 6x4 Intercity & Coach
Type:	Rear Axle
n. eMotors:	1
Peak Power (kW):	375
Peak Wheel Torque (Nm):	30.000
DC Voltage (V):	800 max
GAW (tonnes):	13
GVW GCW (tonnes):	29 > 49
System efficiency:	>92%
Brake system:	DRUM/DISC
Weight (kg):	600 (without brakes and wheel ends)
Dimensions (mm):	2.012 x 673 x 985
Power Density (kW/kg):	0,60
Gear - n. speed:	Multi-speed
Durability Be10 (km):	up to 1.600.000*

*depending on vehicle mission profile

eDRIVELINE - ELECTRIC AXLES



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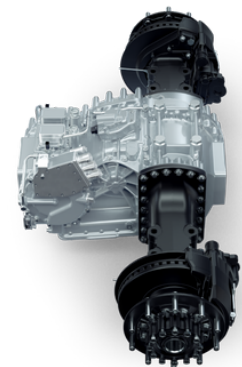
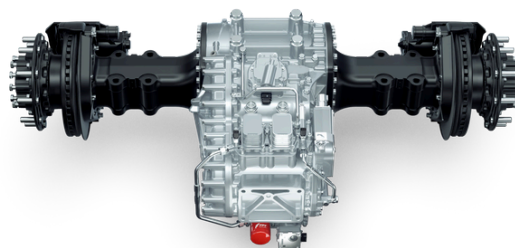
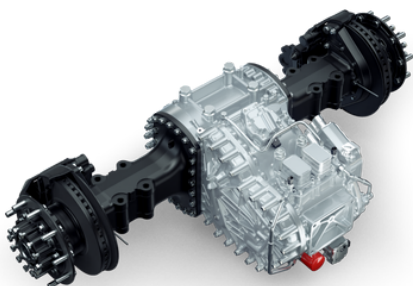
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Peak Wheel Torque (lb-ft):	22,000
DC Voltage (V):	800 max
GAW (lb):	29,000
GVW GCW (lb):	64,000 > 108,000
System efficiency:	>92%
Brake system:	DRUM/DISC
Weight (lb):	1,300 (without brakes and wheel ends)
Dimensions (inch):	79 x 26 x 35
Power Density (kW/lb):	0,29
Gear - n. speed:	Multi-speed
Durability Be10 (mi):	up to 1,000,000*

*depending on vehicle mission profile

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