

**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. Based in the R&D centers in Arbon, Switzerland, 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, together, our range of eDriveline and Battery storage & management solutions.

**Electric Driveline**

FPT Industrial is responding to the crucial challenges of transport sustainability, energy transition and CO<sub>2</sub> emission reduction with a complete range of innovative products. Designed to fully integrate all ePowertrain elements in a compact solution to easily house both the commercial load and the battery packs, the new eAxles and Central Drive will guarantee outstanding performance and reliability according to the mission application.

**Specifications (prototype version)**

<b>Model:</b>	eAX 145-R
<b>Application:</b>	▲ Light Commercial Vehicles
<b>Type:</b>	Rear axle
<b>n. eMotors:</b>	2
<b>Peak Power (kW):</b>	145
<b>Peak Torque (Nm):</b>	580
<b>Peak Wheel Torque (Nm):</b>	6.400
<b>DC Voltage (V):</b>	400 – 700
<b>GAW (ton):</b>	7
<b>GVW (ton):</b>	10
<b>System efficiency:</b>	>92%
<b>Brake system:</b>	DISC
<b>Braking Torque (Nm):</b>	11.000
<b>Weight (kg):</b>	350
<b>Power Density (kW/kg):</b>	0,41
<b>Gear - n. speed:</b>	1
<b>Gear ratio:</b>	11
<b>Durability Be10 (km):</b>	up to 400.000

**eDRIVELINE - ELECTRIC AXLES**



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<b>Type:</b>	Rear axle
<b>n. eMotors:</b>	2
<b>Peak Power (kW):</b>	145
<b>Peak Torque (lb-ft):</b>	428
<b>Peak Wheel Torque (lb-ft):</b>	4,721
<b>DC Voltage (V):</b>	400 – 700
<b>GAW (lb):</b>	14,000
<b>GVW (lb):</b>	20,000
<b>System efficiency:</b>	>92%
<b>Brake system:</b>	DISC
<b>Braking Torque (lb-ft):</b>	8,115
<b>Weight (lb):</b>	772
<b>Power Density (kW/lb):</b>	0.19
<b>Gear - n. speed:</b>	1
<b>Gear ratio:</b>	11
<b>Durability Be10 (mi):</b>	up to 248,500

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