

High Performance Torque Vectoring EDU



GENERAL FUNCTION

The High Performance Torque Vectoring EDU is build up with two similar single EDUs. Due to the fact that each of the single EDUs is controlled like a standalone EDU active torque vectoring is possible. This means that each wheel of the vehicle can accelerate or slow down its speed according to the driving situation. The electric motor's power is transferred to the half-shafts using a two-stage spur gear system - for optimal torque vectoring implementation. This EDU version is primarily used in high powered vehicles or all-wheel drive systems.



PERFORMANCE

		High Performance TV EDU "L"	High Performance TV EDU "XL"	
TYPE OF EM		2x PMSM	2x PMSM	[-]
MAX. AXLE POWER (30s)	P_{max}	2x 150	up to 2x 250	[kW]
CONT. AXLE POWER	P_{cont}	2x 75	up to 2x 150	[kW]
MAX. AXLE TORQUE (30s)	M_{max}	2x 3,010	up to 2x 3,400	[Nm]
CONT. AXLE TORQUE	M_{cont}	2x 1,360	up to 2x 1,700	[Nm]
MAX. AXLE SPEED	n_{opmax}	1,530 up to 1,800	up to 2,000	[rpm]
VOLTAGE LEVEL	U	400	800	[V]



BENEFITS

- Active Torque Vectoring
- High system performance and efficiency
- Many years of competence in system integration at hofer powertrain



YOUR CONTACT

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