

High Compact Torque Vectoring EDU



GENERAL FUNCTION

The High Compact Torque Vectoring EDU is built 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 smart combination of a planetary and a spur gear set allows a very compact EDU design with a high power density. Thanks to its compact design, the EDU can be easily integrated into various vehicle platforms. This EDU version is primarily used in high-powered vehicles or all-wheel drive systems.



PERFORMANCE

		High Compact TV EDU "S"	High Compact TV EDU "M"	High Compact TV EDU "L"	High Compact TV EDU "XL"	
TYPE OF EM		2x PMSM	2x PMSM	2x PMSM	2x PMSM	[-]
MAX. AXLE POWER (30s)	P_{\max}	2x 60	2 x 125	2x 150	2x 250	[kW]
CONT. AXLE POWER	P_{cont}	2x 40	2x 55	2x 75	2x 150	[kW]
MAX. AXLE TORQUE (30s)	M_{\max}	2x 1,395	2x 2,400	2x 2,000	2x 4,250	[Nm]
CONT. AXLE TORQUE	M_{cont}	2x 777	2x 1,252	2x 900	2x 2,000	[Nm]
MAX. AXLE SPEED	n_{opmax}	1,800		2,170		[rpm]
VOLTAGE LEVEL	U	450		800		[V]



BENEFITS

- Active Torque Vectoring
- Very compact EDU design with a high power density
- High system performance and efficiency
- Many years of competence in system integration at hofer powertrain



YOUR CONTACT

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