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Combination Power unit for EV. P70-165

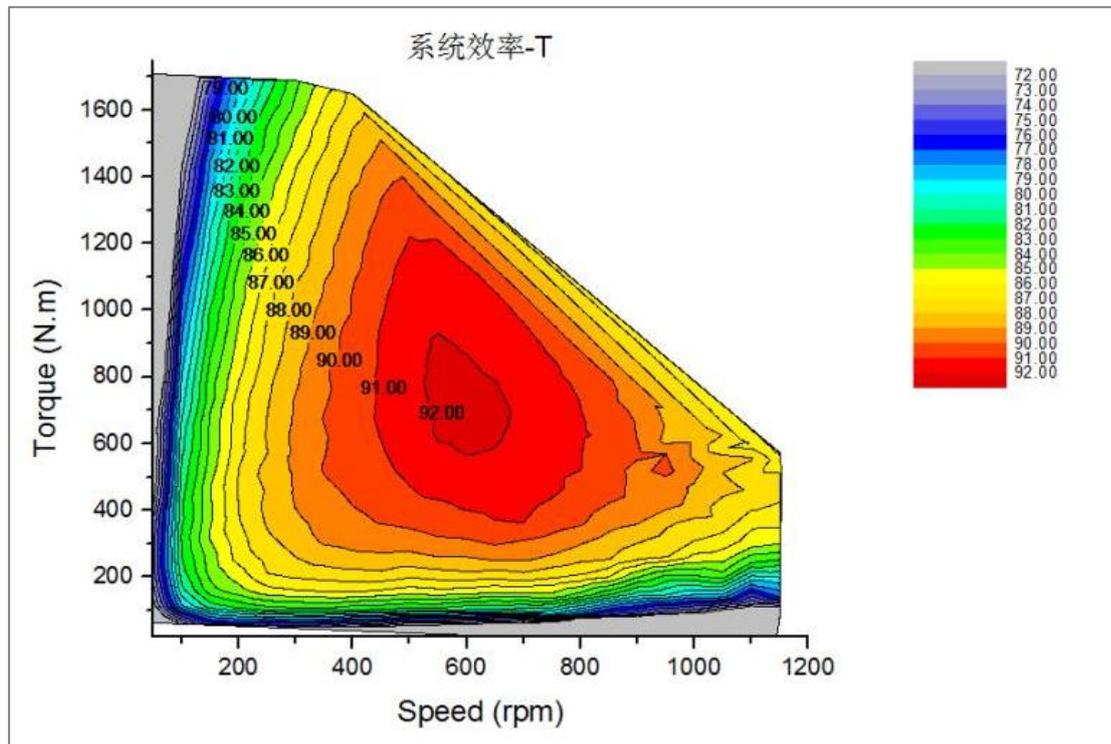
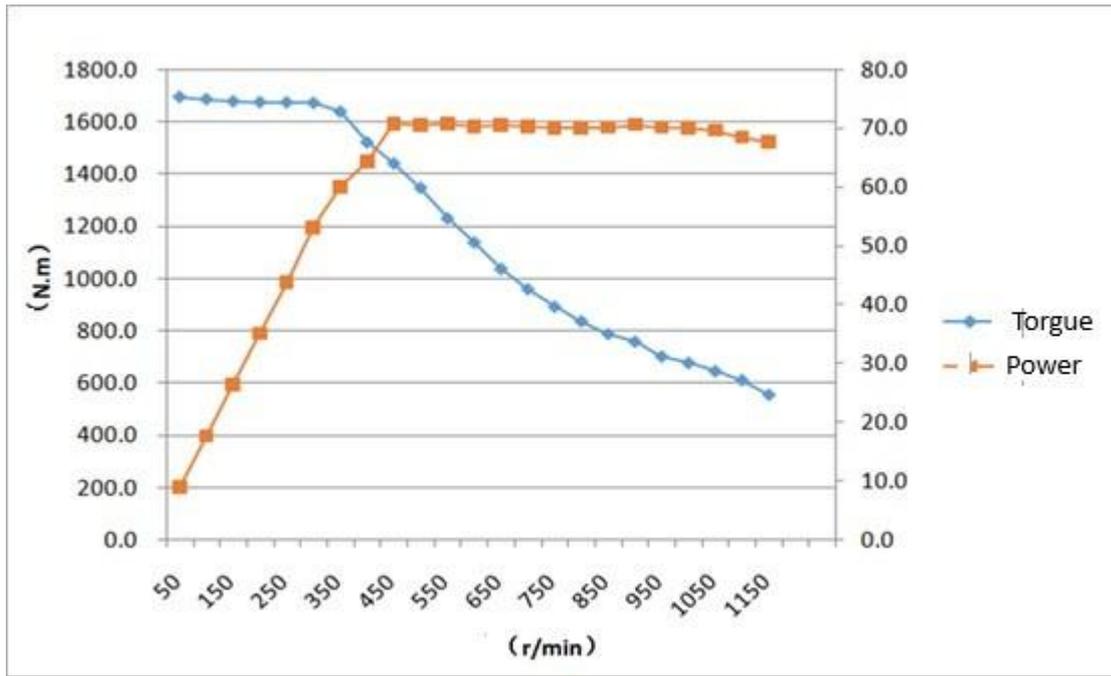
1. Product Introduction

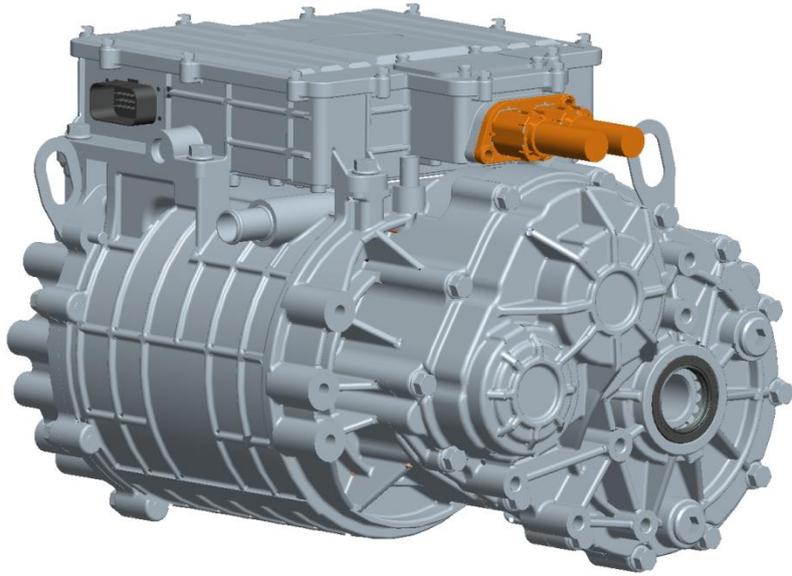
P70-165 power train is a three-part integration of motor, controller and gearbox. The Continuous power is 30 kW ,maximum output power of the power train is 70kW, the maximum wheel-side output speed is 1142rpm, and the maximum wheel-side output torque is 1732.5N.m. It is suitable for A0 class (or compact SUV) model.

2. Product parameters

Powertrain Parameters	Maximum output power (kW)	70	Maximum output speed (rpm)	1142 (wheel-side)
	Maximum output torque (N.m)	1732.5 (wheel-side)	Weight of Power train (kg)	51
Motor (PMSM)	Voltage platform (Vdc)	336	Rated speed (rpm)	4050
	Rated power (kW)	30	Peak speed (rpm)	12000
	Peak power (kW)	70	Rated current (A)	115
	Rated torque (N.m)	70.7 (Continued)	Peak current (A)	255
	Peak torque (N.m)	165 (30s)	Number of Poles / Slots	8 poles/48 slots
	Protection Grade	IP67	Cooling Mode	Water cooling
Controller	Rated voltage (Vdc)	336	Rated capacity (kVA)	40
	Rated output voltage (VAc)	249	Maximum capacity (kVA)	100

Efficiency Curve





Picture of the P70 Power unit

