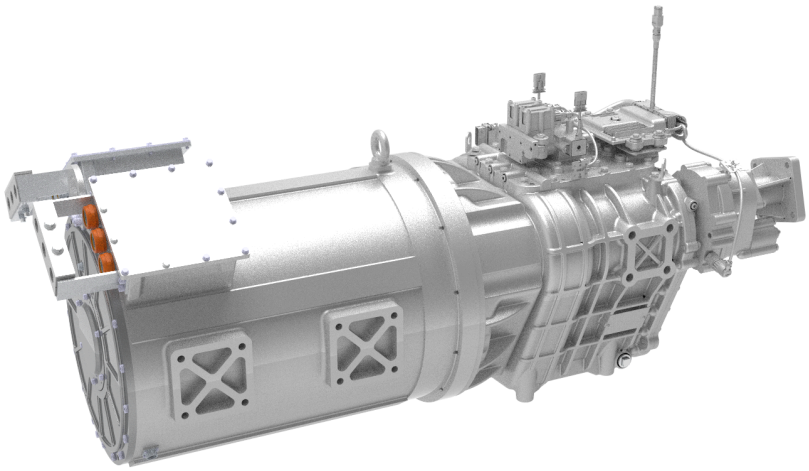
宽体自卸车动力总成（双绕组电机 + 三档自动变速箱）

Dual-Winding Motor + 3-Speed AMT Powertrain



展品特点

面向 105t ~ 150t 及以上宽体自卸车的平台化电驱动力总成，将双绕组电机与三档自动变速箱集成为一体，系统尺寸 1543×617×665 mm，重量 962 kg，液冷散热。电机电枢采用双独立绕组架构，对比行业主流双电机方案，整机轴向尺寸更短，功率密度与扭矩密度更高；外部接口数量更少，整机可靠性更优。

电机额定母线电压 600 V，额定功率 700 kW、峰值功率 1000 kW，额定转矩 3200 Nm、峰值转矩 6000 Nm，最高转速 3500 rpm；三档自动变速箱最大输入扭矩 5600 Nm、最大输出扭矩 25000 Nm，速比 4.504/2.889/1，兼顾重载爬坡与高速运输经济性。产品已配套太重、徐工、长城重工等主机厂。

Key Parameters & Features (EN)

电机额定电压 Motor voltage	600 VDC
电机额定 / 峰值功率 Rated / peak power	700 / 1000 kW
电机额定 / 峰值转矩 Rated / peak torque	3200 / 6000 Nm
最高转速 Max speed	3500 rpm
变速箱最大输入 / 输出扭矩 AMT torque in / out	5600 / 25000 Nm
速比 Ratios	4.504 / 2.889 / 1
系统尺寸 / 重量 System size / weight	1543×617×665 mm / 962 kg（液冷 Liquid-cooled）
市场应用 Applications	太重、徐工、长城重工

A platform powertrain for 105 – 150 t and larger wide-body dump trucks, integrating a dual-winding motor with a 3-speed automated transmission: 1,543×617×665 mm, 962 kg, liquid-cooled. Dual independent windings give a shorter axial length and higher power/torque density than mainstream dual-motor solutions, with fewer external interfaces and better reliability. Motor: 600 V bus, 700 kW rated / 1,000 kW peak, 3,200 Nm rated / 6,000 Nm peak, 3,500 rpm max. AMT: 5,600 Nm input, 25,000 Nm output, ratios 4.504/2.889/1 — balancing gradeability and transport economy. In service with Taiyuan Heavy Industry, XCMG and Great Wall Heavy Industry.