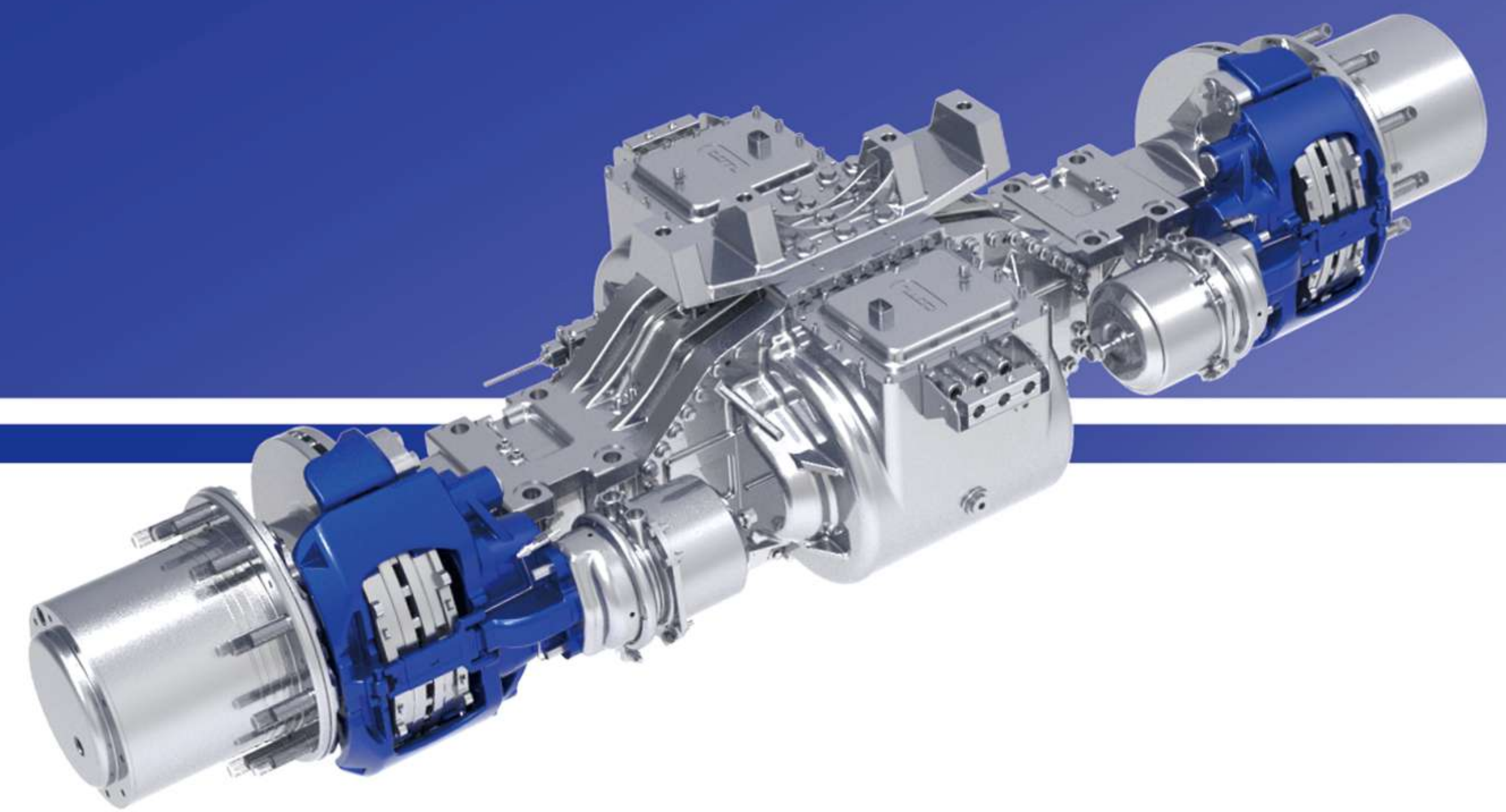


Company Overview

Our company is a core component supplier for zero-emission commercial vehicles with 15 years of experience. It is a national high-tech enterprise in China. As a leading manufacturer with design, R&D, and production capability in the field of electric drive system, the company offers the most comprehensive product portfolio and the widest range of applications. Its products are widely used in buses, Autonomous Rapid Transit, heavy-duty trucks, special equipment, and other fields.

We're proficient in core technologies such as DCU (Electronic Differential), EASR (Electronic Acceleration Slip Regulation), DABS (Energy Recovery Intelligent Decoupling Anti-lock Braking System), and can provide customized design and development services to maximize the compatibility and performance advantages of customers' vehicle models.

Based on customer needs, we have designed and mass-produced the world's first 9t steering portal axle and China's first 13t distributed electric drive axle. Our e-axes have been used in many countries, such as France, Spain, the United States, Canada, Brazil, Australia, etc.



Website

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Note: The recorded content in this document is only for the sample situation. Due to improvements, it may be changed without prior notice, which may differ from the final confirmed standard configuration. Please contact TRION for specific configurations.

E-Axles for Heavy Duty Trucks

Specializes in electric powertrain
for zero-emission vehicles

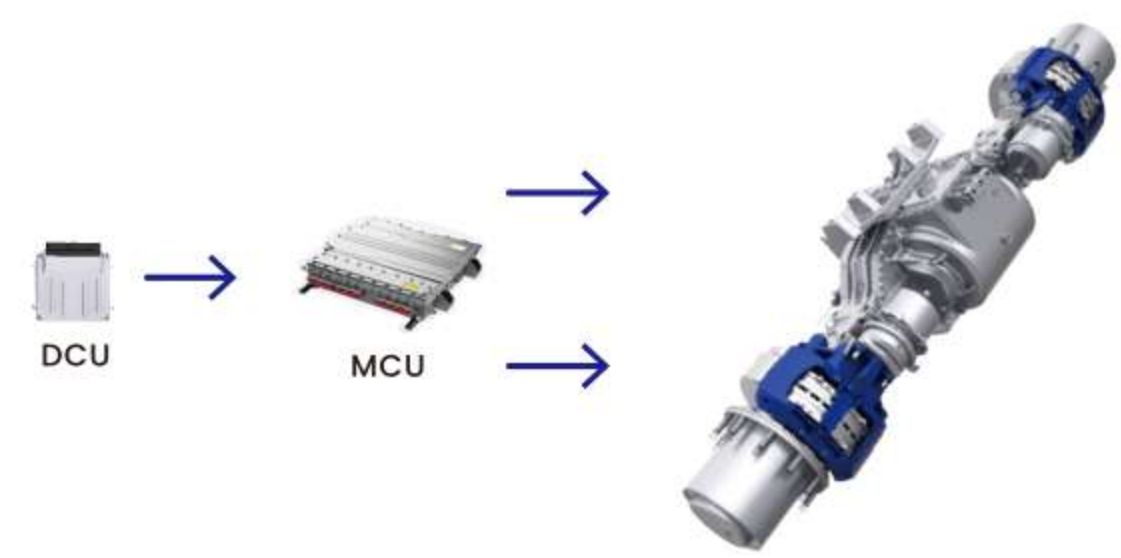


Dual-motor Distributed Drive Series

EA5000-Water-cooled flat wire motor

Item	EA5000N (Water-Cooled Motor)		
Rated axle load(kg)	11500	13000	16000
Maximum output torque (N.m)	2x27262		
Rated/peak power (kW)	2x120/240		
Maximum wheel speed (rpm)	615		
Working voltage(VDC)	400-750		
Tire specifications(standard)	12R22.5		
Axle assembly weight(kg)	Disc: 860 Drum: 910	Disc: 890 Drum: 940	Disc: 950 Drum: 1000
Ratio	61.955/19.18		
Brake	Disc/drum brake		
IP level	IP68		
The form of suspension	Air suspension / Leaf spring		
Power takeoff	Rated torque(N.m) :700 Maximum wheel speed(rpm) :3500		
	Double-unit pump or single-unit pump (Optional)		

System Configuration



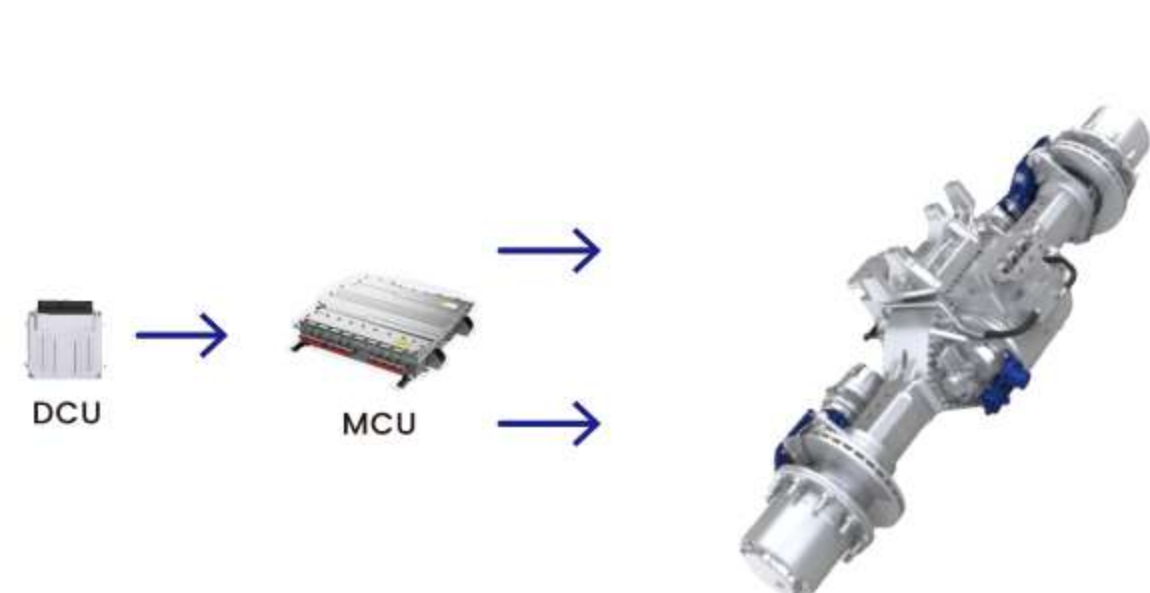
Application Advantages

- X-direction dimension: **799mm** (saves space).
- Ground clearance: **324mm** (ideal for construction vehicles).
- Integrated axle housing & symmetrical structure (enhances reliability).
- Electronic **ABS** prevents wheel lock, maximizing regenerative braking efficiency.

EA4000-Oil-cooled flat wire motor

Item	EA4000N (Oil-Cooled Motor)		
Rated axle load(kg)	11500	13000	16000
Maximum output torque (N.m)	2x25740		
Rated/peak power (kW)	2x200/300		
Maximum wheel speed (rpm)	670		
Working voltage(VDC)	400-860		
Tire specifications(standard)	12R22.5		
Axle assembly weight(kg)	Disc: 820 Drum: 870	Disc: 850 Drum: 900	Disc: 910 Drum: 960
Ratio	61.955/19.18		
Brake	Disc/drum brake		
IP level	IP68		
The form of suspension	Air suspension / Leaf spring		
Power takeoff	Rated torque(N.m) :700 Maximum wheel speed(rpm) :3500		
	Double-unit pump or single-unit pump (Optional)		

System Configuration



Application Advantages

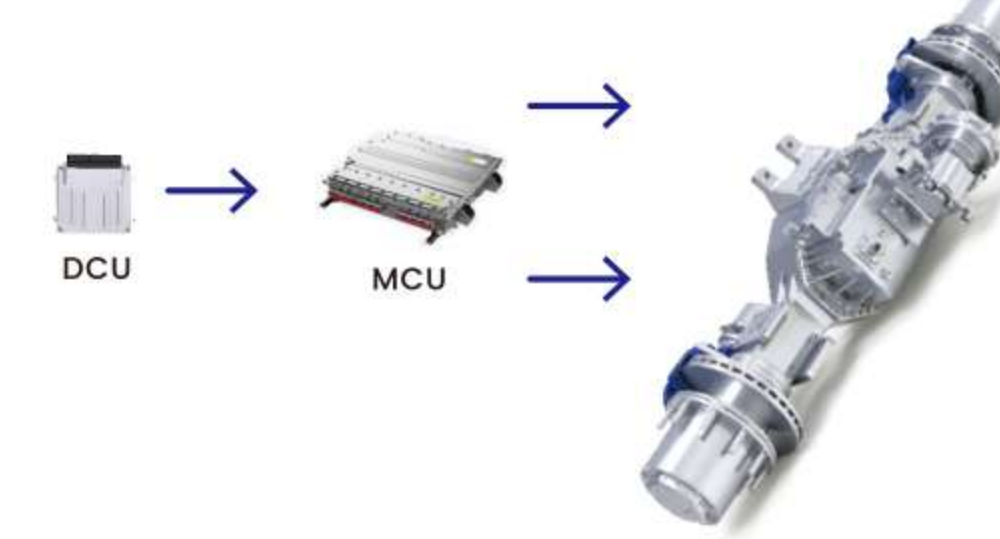
- X-direction dimension: **799mm** (saves space).
- Ground clearance: **324mm** (ideal for construction vehicles).
- Integrated axle housing & symmetrical structure (enhances reliability).
- Electronic **ABS** prevents wheel lock, maximizing regenerative braking efficiency.
- Higher power output (maintains **800V** platform compatibility).

Single-motor Integrated eAxle Series

EA3800N- 2-speed gearbox

Item	EA3800N (Oil-cooled flat wire motor)		
Rated axle load (kg)	11500	13000	16000
Maximum output torque (N.m)	38483		
Rated/peak power(kW)	200/300		
Maximum wheel speed (rpm)	615		
Tire specifications(standard)	12R22.5		
Brake	Disc/drum brake		
Ratio	83.66/21.39		
Axle assembly weight (kg)	Disc: 780 / drum: 830	Disc: 810 / drum: 860	Disc: 830 / drum: 880
IP level	IP68		
Working voltage(VDC)	400-860		
The form of suspension	Air suspension / Leaf spring		
Differential lock	Mechanical differential lock (Optional)		
Power takeoff	Rated torque(N.m) :700 Maximum wheel speed(rpm) :3500		
	Double-unit pump or single-unit pump (Optional)		

System Configuration



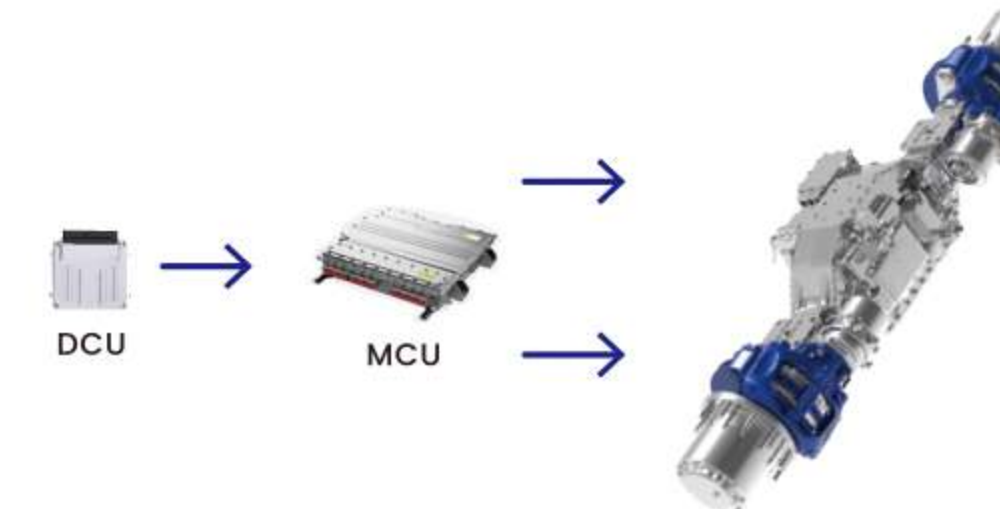
Application Advantages

- Optional power take-off unit, suitable for sanitation applications.
- The X-dimension is merely **711mm**, saving installation space.
- Integrated axle housing encasing the motor for enhanced protection and higher reliability.

EA3800NE-4-speed gearbox

Item	EA3800NE (Oil-cooled flat wire motor)		
Rated axle load (kg)	11500	13000	16000
Maximum output torque (N.m)	52000		
Rated/peak power(kW)	200/300		
Maximum wheel speed (rpm)	620		
Tire specifications(standard)	12R22.5		
Brake	Disc/drum brake		
Ratio	164.66/59.87/42.11/15.31		
Axle assembly weight (kg)	790		
IP level	IP68		
Working voltage(VDC)	400-860		
Gear	4 gears		
Differential lock	Mechanical differential lock (Optional)		
Power takeoff	Rated torque(N.m) :700		
	Double-unit pump or single-unit pump (Optional)		

System Configuration



Application Advantages

- Four-speed transmission, meeting the demands of more complex operating conditions.
- Compact X-dimension saves installation space.
- Integrated axle housing encasing the motor for enhanced protection and higher reliability.