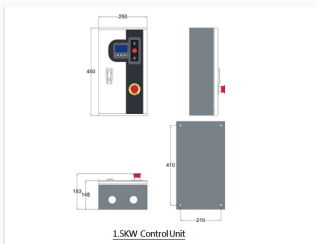


Servo Motor and Controller for High-Speed Doors

This servo motor and controller is designed for high-speed door systems. It provides precise motion control and reliable performance.



ADDITIONAL IMAGES



Overview



Complete servo system including a 0.75kW motor and dedicated control unit with integrated encoder.

High-Performance Servo System for Industrial Doors

This integrated servo motor and controller system is specifically engineered for high-speed industrial doors, offering precise motion control and reliable operation. With an IP65 protection rating, the system is resilient against dust and water ingress, making it suitable for demanding environments like cold storage and clean rooms. The solution combines a high-torque motor with an absolute encoder for accurate positioning and features manual override capabilities for safety and maintenance.

Key Performance Metrics

Performance Highlights

1500 W

Maximum Power

150 N.M

Peak Torque

60 °C

Max Op Temp

Technical Specifications

Model Comparison

| Specification | PE200 | PE2000 | PE500 |
|-----------------------|---------------------|---------------------|---------------------|
| Rated Output | 750W | 750W | 1500W |
| Motor Speed | 0-2000rpm | 0-2000rpm | 0-2000rpm |
| Output Speed | 0-200rpm | 0-260rpm | 0-200rpm |
| Rated Torque | 35N.M | 30N.M | 50N.M |
| Max Torque | 100N.M | 75N.M | 150N.M |
| Door Area Suitability | 2-20 m ² | 2-15 m ² | 2-35 m ² |
| Weight | 10kg | 10kg | 28.8kg |

System Features

System Capabilities

- Absolute Encoder for precise limit positioning
- Torque servo management system
- Electro-mechanical brake for self-locking
- Manual release via hand wheel or winch
- Integrated RV63 reducer (10:1 ratio)

Environment & Protection

Ingress Protection

IP65

| | |
|-----------------------|------------------|
| Power Supply | 220V (50Hz/60Hz) |
| Operating Temperature | -40°C to 60°C |
| Temperature Rise | <30°C |

Applications

| | |
|-----------------------|---|
| Compatible Door Types | High Speed Roll Up Door, Auto Recovery Door, Cold Storage Door, High Speed Stacking Door, Turbine Hard Door |
|-----------------------|---|