

A4 Pro Series

HIGH SPEED DOOR



A4 Pro High-speed Door Series Features

Multiple gear and motor configurations are available, offering torque from 30 Nm to 125 Nm and speeds between 85 rpm and 250 rpm. The integrated drive board within the control box allows for easy installation and maintenance. Up to three layers of protection, including an anti-drop mechanism; emergency hand chain/crank operation; automatic metal crank detection to prevent misoperation.

Certifications

Standards

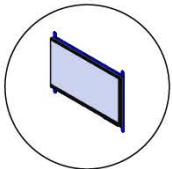
EN 12978:2003+A1:2009, EN 60204-1:2018,
EN IEC 61000-6-2:2019, EN IEC 61000-6-4:2019

Related to CE Directive(s)

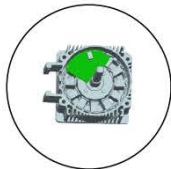
2014/35/EU (Low Voltage)
2014/30/EU (Electromagnetic Compatibility)



A4 Pro High-speed Door Series Details



LCD Screen



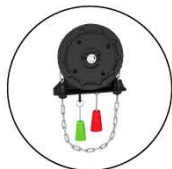
Absolute Encoder



Anti-Drop Mechanism



Servo Motor with Extended Shaft



Hand Chain



Hand Crank



Hand Crank Switch

A4 Pro High-Speed Door Series Servo Motor Specifications

Model	PHD-A4-M-30.200	PHD-A4-M-50.120	PHD-A4-M-50.250	PHD-A4-M-80.160	PHD-A4-M-100.130	PHD-A4-M-125.85
Working System	S3		S3			
Power (W)	750W		1500W			
Power Supply (v)	1- 220V±10%		1- 220V±10%			
Frequency (Hz)	50/60		50/60			
Input Current (A)	5.5	5.5	7	7	7	7
Output Torque (N.m)	30	50	50	80	100	125
Output Speed Range (rpm)	20~200	12~120	25~250	16~160	13~130	9~85
Door Opening Speed (m/s)	1.0-1.7	0.6-1.0	1.5-2.6	1.0-1.6	0.8-1.3	0.5-0.9
Door Weight (kg)	24~48	41~80	41~70	65~112	81~140	102~175
Opening And Closing Speed	Adjustable		Adjustabl			
Soft Start And Stop	✓		✓			
Motor IP Level	IP65		IP65			
Working Environment (°C)	-20~+50 ¹⁾		-20~+50 ¹⁾			
Hollow Shaft (mm)	25/25.4		25/25.4/30/31.75			
Incremental Encoder	✓		✓			
Absolute Encoder (Built-In)	✓		✓			
Limit Stop Range	120	80	150	100	80	50
Cable Length (m)	4		7			
Hand Crank	✓		✓			
Mechanical Brake	✓		✓			
Order Number	PHD-A4-M-30.200-RV	PHD-A4-M-50.120-RV	PHD-A4-M-50.250-RV	PHD-A4-M-80.160-RV	PHD-A4-M-100.130-RV	PHD-A4-M-125.85-RV

Values marked in color indicate customizable options.

- 1) Rated power operation within the temperature range of -10°C to +40°C, with derated operation between -20°C to -10°C and +40°C to +50°C.
- 2) All the weight and speed data is based on 100mm-197mm rollers

A4 Pro Series, R4 Series General Control Panel Specifications



Compatible Motor Models	PDH-A4-M, PHD-R4-M
Dimensions (mm)	250*450*185
Display	4 Lines Text Display
Input Voltage (V)	1N~200~240
Input Current (A)	6.5/13 ¹⁾
Standby Power Consumption (W)	≤9W
Open/Close Speed Settings	✓
Open/Close Slowdown Zone	✓
Partial Opening Height (%)	✓
Error Report	✓
Fault Memory	✓
Maintenance Reminder	✓
NC/NO Switching	✓
Anti-Freeze Shake Function	✓
Torque Adjustment	✓
Automatic Test	✓
Miniature Circuit Breaker	✓
RS485	✓
Safety Signal 1 Input	✓
Safety Signal 2 Input	✓
Jog/Manual/Automatic Switching	✓
Interlock	✓
Programmable Relay Output	2 Groups(can be expanded to 4 groups)
DC24V Output	0.4A≈10W
Order Number	PHD-A4-C-50

Note

- 1) 0.75kW motor input current 6.5A; 1.5kW motor input current 13A

A4 Pro Series Standard Accessories



Keys



Emergency Stop



T-Wrench

A4 Pro, R4 General Control Panel Accessories Options



SUS304 Shell



IP65 Shell



RS485 Module

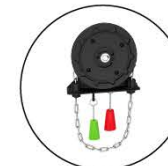


Remote Control

A4 Pro Motor Accessories Options



Anti-Drop Mechanism



Hand Chain



Hand Crank



Hand Crank Switch

Note

- A4 Pro Spiral Door motors only have "Hand Crank" as Accessory Option.