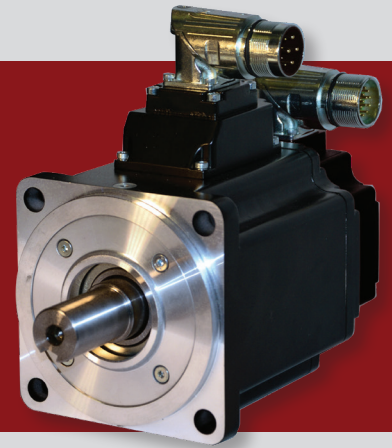


PRO2

Highly Dynamic Servo Motors

With a wide range of torque ratings and motor options, PRO2 servo motors are particularly suitable for highly dynamic applications with strict requirements for high accuracy and stability.



Optimal servo motor solution for high performance motion applications

PRO2 servo motors combine excellent dynamics and torque accuracy with a compact design and high power density.

- Rated output power range of 50 W to 7.5 kW
- Rated output torque of 0.16 Nm to 48 Nm
- Torque range of up to 48 Nm (rated) and 120 Nm (peak)
- Rated speed of up to 3000 rpm
- Maximum speed of up to 6000 rpm

Broad range of motor options

- 6 frame sizes
- Winding options for 230 and 400 VAC
- Standard feedback options include incremental encoder, absolute multi-turn encoder (HIPERFACE®) with 128 sine/cosine per revolution, and absolute 20-bit single-turn encoder (SERVOSENSE™)
- Standard and high inertia options
- Up to IP65 protection class
- Scratch-resistant motor body
- Optional holding brake
- M23, cable and MIL connector options
- UL 1004, CSA approved
- Extended ambient air temperature: -20°C...+40°C

Key benefits

- Excellent dynamics and high torque accuracy
- Supporting an innovative 20 bit absolute encoder
- High overload capacity
- Low noise and vibration-free operation
- Low cogging
- Compact design with high power density
- Variety of connector options
- Selection of feedback, shaft, flange, and brake options
- Up to IP65 protection class
- Maintenance-free
- CE and UL compliance

Matched to Servotronics CDHD/CDHD2 servo drives for optimal performance



Rating

Model	Frame Size (mm)	Voltage Options (VAC)	Power Range (W)	Rated Torque (Nm)	Peak Torque (Nm)	Max Speed (1/min)	Rotor Inertia (kg cm ²)
PR2-04	40	230, 400	50-100	0,16-0,32	0,48-0,96	6000	0,03-0,05
PR2-06	60	230, 400	200-400	0,64-1,27	1,95-3,90	6000	0,13-0,24
PR2-08	80	230, 400	400-750	1,27-2,39	4,50-7,16	6000	0,64-1,16
PR2-10	100	230, 400	1000-2000	3,18-6,37	11,00-21,60	6000	2,50-4,70
PR2-13	130	230, 400	500-2000	2,39-9,55	7,16-28,65	2000-3000	7,18-12,80
PR2-18	180	230, 400	2000-7500	9,55-47,74	28,65-119,36	3000	34,40-55,10

Ordering information

		P2	-	04	A	2	30	0	5	S3	0	D	000
PRO2 Series Synchronous Servo Motors													
Frame Size													
04	40 mm												
06	60 mm												
08	80 mm												
10	100 mm												
13	130 mm												
18	180 mm												
Length													
A	Shortest												
B													
C													
D													
E													
F													
G													
H	Longest												
Relative sizes. Refer to motor datasheet for available motor lengths.													
AC Bus Voltage													
2	230 VAC												
4	400 VAC												
Rated Speed													
10	1000 rpm												
15	1500 rpm												
20	2000 rpm												
30	3000 rpm												
According to motor catalog.													
Shaft													
0	Smooth shaft												
1	Smooth shaft and oil seal												
2	Shaft with key												
3	Shaft with key and oil seal												
4*	High inertia smooth shaft												
5*	High inertia smooth shaft and oil seal												
6*	High inertia shaft with key												
7*	High inertia shaft with key and oil seal												
* Available for: P2-08B, P2-13C, P2-18A													
IP Rating of Motor Housing (Without Shaft)													
5	IP 65												
Feedback													
S3	sensAR Single turn absolute encoder 20 bit												
M3	sensAR Multi-turn absolute encoder 20 bit												
A1	SKM36 HIPERFACE multi-turn absolute encoder 128 sine/cosine												
Brake													
0	No brake												
1	With brake												
Connector													
D	300 mm cable with AMP connectors. Available for frame sizes: 04, 06, 08												
F	M23 (turntable) connectors. Available for frame sizes: 06, 08, 10, 13, 18												
A	MIL connectors. Available for frame sizes: 10, 13, 18												
Future options													

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