

The right choice for dynamic applications.



Asynchronous servo motor for precisely controlled movements.

Torque range:
17.7 to 1859 lbs.-in. (1 to 61.3 Hp).

Ideally suited to applications in environments which require compact units and a high degree of intrinsic operational reliability.

Features

- Compact dimensions for installation in the tightest of spaces
- Low moments of inertia for high dynamic performance
- Plug-in connections for fast, easy installation and easy servicing
- Resolver as feedback. Alternatively: incremental encoder or absolute value encoder

MCA asynchronous servo motor technology – An overview

Technical data

Self-ventilated

Size		10	13	14	17	19	21
Rated torque	M [lbs.-in.]	17.7	35.4	59.3 47.8	95.6 84.1	144 106	217.7 150.5
Rated current	I [A]	2.4	4.4	3.3 5.8	5.5 10.2	8.2 14.0	13.0 19.8
Rated speed	n [rpm]	3950	4050	2000 4100	2300 4110	2340 4150	2490 4160

Forced-ventilated

Size		13	14	17	19	21	22	26
Rated torque	M [lbs.-in.]	55.8	106 95.6	190 168	321 319	543 487	947 885	1859 1726
Rated current	I [A]	6.0	4.8 9.1	8.5 15.8	13.9 28.7	22.5 42.5	37.7 72.1	61.5 113
Rated speed	n [rpm]	3410	1635 3455	1680 3480	1700 3510	1710 3520	1425 2935	1030 2235

The modular system for your application

Thanks to their scalable modular design, the asynchronous servo motors are ideal for use with any application:

- Brake attachments with and without permanent magnet brake
- Feedback systems
 - Resolver
 - Incremental encoder
 - Absolute value encoder
- Self-ventilated or forced-ventilated
- Connection options
 - Plug connectors
 - Terminal box
- Temperature monitoring via KTY thermal sensor
- Comprehensive range of system cables
 - Motor connection
 - Feedback connection
 - Separate fan connection

Other properties

Degree of protection	
EN 60529	IP54/65
Approvals	
	cURus, EAC and UkrSepro
Temperature class	
IEC / EN 60034-1 utilization	F
IEC / EN 60034-1 insulation system	H
Climatic conditions	
Storage temperature	-30°C to +60°C (-22°F to +140°F)
Operating temperature	-20°C to +40°C (-4°F to +104°F)