

# The right choice for dynamic applications.



---

**Asynchronous servo motor for precisely controlled movements.**

**Torque range:  
2.0 to 195 Nm (0.8 to 45.6 kW)**

**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 [Nm]	2.0	4.0	6.7 5.4	10.8 9.5	16.3 12.0	24.6 17.0
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 [Nm]	6.3	12 10.8	21.5 19	36.3 36	61.4 55	107 100	210 195
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

<b>Degree of protection</b>	
EN 60529	IP54/65
<b>Approvals</b>	
	cURus, EAC and UkrSepro
<b>Temperature class</b>	
IEC / EN 60034-1 utilisation	F
IEC / EN 60034-1 insulation system	H
<b>Climatic conditions</b>	
Storage temperature	-30°C to +60°C
Operating temperature	-20°C to +40°C