



High power AC servo motor EMB-1A series are used in machine tools, handling machines, foodstuff processing or textile machines. The motors are equipped with 17-bit absolute encoder or resolver. Models with holding brake are available.

These powerful series motors are suitable for high torque applications with demands on precision and dynamic motion.

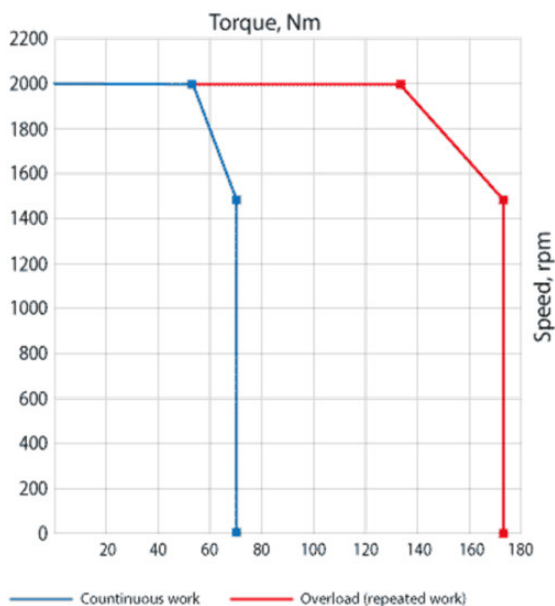
## Technical data

Output power	11000 W
Rated speed	1500 rpm
Maximum speed	2000 rpm
Rated torque	70 Nm
Maximum torque	175 Nm
Rated current	28 A
Maximum current	70 A

## Technical data

Motor inertia (motor without brake)	271.6 kg*cm <sup>2</sup>
Motor inertia (motor with brake)	278.9 kg*cm <sup>2</sup>
Optional brake holding torque	≥100 Nm
Optional brake voltage	24 VDC
Weight (motor without brake)	54.7 kg
Weight (motor with brake)	60.7 kg
Flange	220 mm

## Speed-torque curves



## Available motor models

Motor model	Encoder	Brake	Servo drive	Input drive supply voltage
EMB-1ADSA22	absolute optic encoder, resolution 17-bit (131 072 ppr)	-	PRONET-1ADMA PRONET-1ADMG	Three phase AC 380V...440V
EMB-1ADSA24		✓		
EMB-1ADRA22	Resolver	-	PRONET-1ADMB	
EMB-1ADRA24		✓		

## Dimensions of AC servo motor EMB-1A

