



High power AC servo motor EMB-75 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. It is recommended to use newer servo motor model EM3G-75.

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

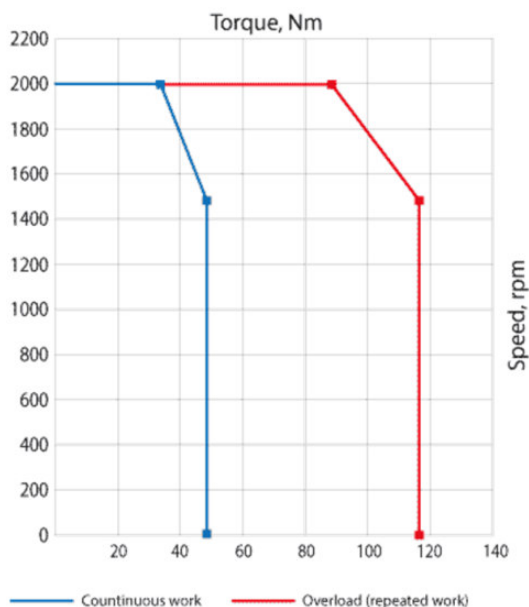
Technical data

Output power	7500 W
Rated speed	1500 rpm
Maximum speed	2000 rpm
Rated torque	47.8 Nm
Maximum torque	143.4 Nm
Rated current	18 A
Maximum current	56 A

Technical data

Motor inertia (motor without brake)	186.2 kg*cm ²
Motor inertia (motor with brake)	193.6 kg*cm ²
Optional brake holding torque	≥100 Nm
Optional brake voltage	24 VDC
Weight (motor without brake)	43.8 kg
Weight (motor with brake)	49.8 kg
Flange	220 mm

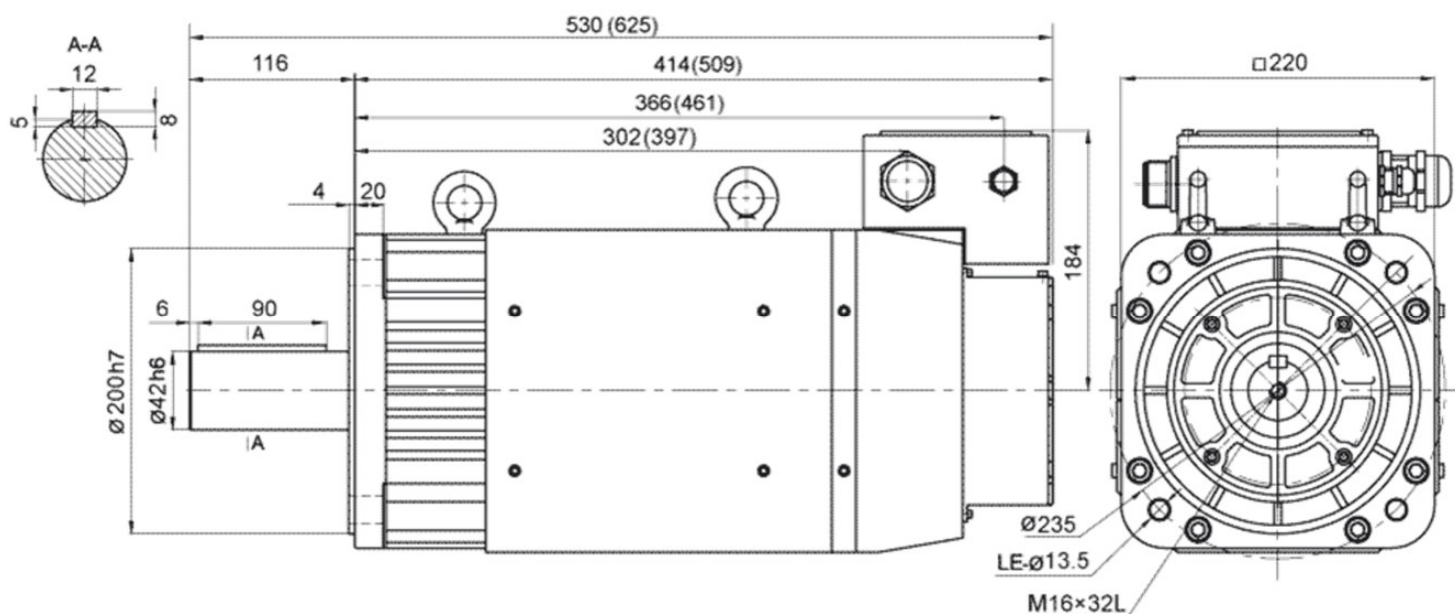
Speed-torque curves



Available motor models

Motor model	Encoder	Brake	Servo drive	Input drive supply voltage	Recommended replacement:
EMB-75DLA22	absolute optic encoder, resolution 23-bit (8 388 608 ppr)	-	ED3L-75DMA ED3L-75DEA ED3L-75DPA	Three phase AC 380V...440V	
EMB-75DLA24		✓			
EMB-75DSA22	absolute magnetic encoder, resolution 17-bit (131 072 ppr)	-	PRONET-75DMA		EMB-75DLA22 EM3G-75DTA224
EMB-75DSA24		✓			EMB-75DLA24 EM3G-75DTA244
EMB-75DRA22	Resolver	-	PRONET-75DMB		EMB-75DLA22 EM3G-75DTA224
EMB-75DRA24		✓			EMB-75DLA24 EM3G-75DTA244

Dimensions of AC servo motor EMB-75



Note: The values in parentheses represent the values of motors with brakes

