

EMG

Series Servo Motor

Features

- Be used to drive the feed shaft of various machine
- Various products (1.0KW ~5.0KW, with brake etc.)
- Equipped with wire-saving encoder(2500P/R)
- Standard configuration is IP65

Applications

- Machine tools
- Handling machine
- Foodstuff processing machine
- Textile machine



Model Specification Description

EMG-10 A P A 1 1

EMG Model Servo Motor

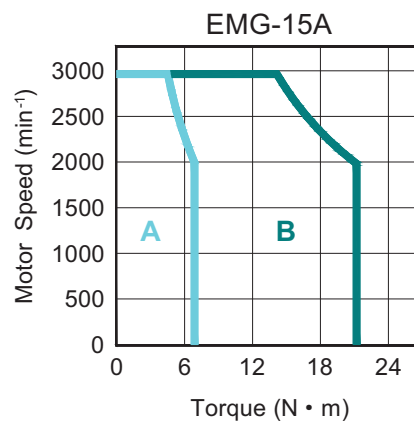
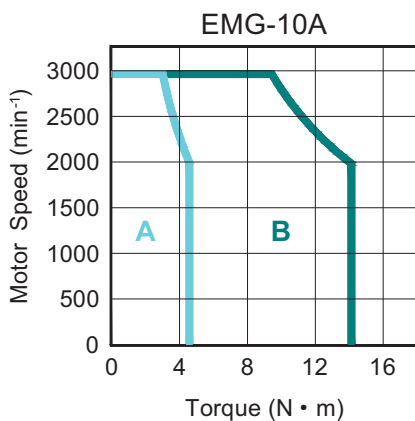
| Rated Power | | Power Voltage | | Encoder | | Design Sequence | | Shaft End | | Optional Parts | | | |
|-------------|-------|---------------|--------|---------|---------|-----------------|-----------------|-----------|--------------------|----------------|------------------------------------|---|-----------------------------------|
| Sign | Spec. | Sign | Spec. | Sign | Spec. | Sign | Spec. | Sign | Spec. | Sign | Spec. | | |
| 10 | 1.0KW | A | 200Vac | P | 2500P/R | A | Design Sequence | 1 | Flat, without keys | 1 | None | | |
| 15 | 1.5KW | | | | | | | | | 2 | With Oil Seal | | |
| 20 | 2.0KW | | | | | | | | | 2 | Flat, with keys, with screw thread | 3 | With brake (DC24V) |
| 30 | 3.0KW | | | | | | | | | | | 4 | With oil seal, with brake (DC24V) |
| 50 | 5.0KW | | | | | | | | | | | | |

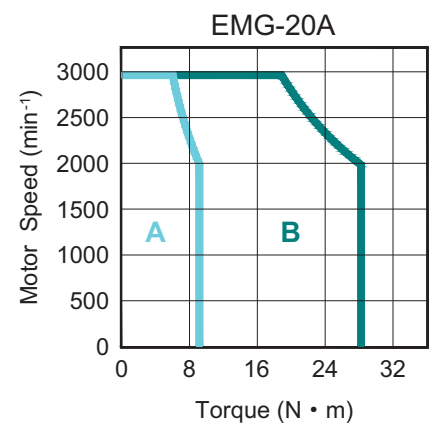
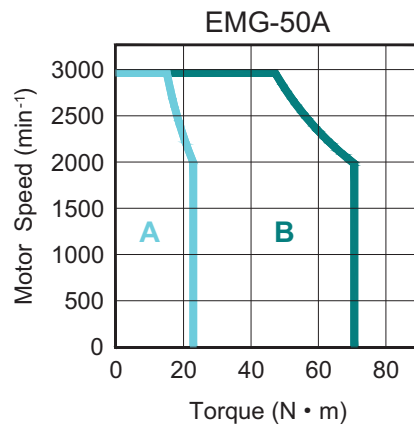
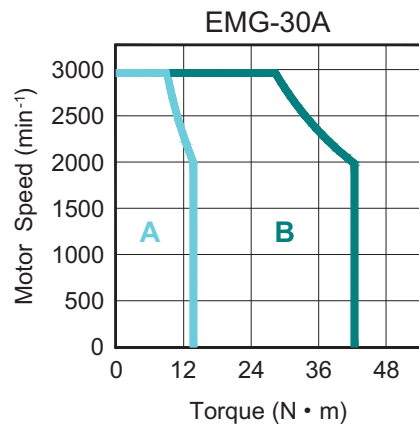
Rated Value and Specification

| Voltage | | 200VAC | | | | |
|----------------------------------|-------------------------------------|-------------------------------------------------------------------|------------|------------|------------|------------|
| Motor type | EMG- | 10A | 15A | 20A | 30A | 50A |
| Rated output power | kW | 1.0 | 1.5 | 2.0 | 3.0 | 5.0 |
| Rated torque | N.m | 4.78 | 7.16 | 9.55 | 14.3 | 23.9 |
| Instantaneous peak torque | N.m | 14.3 | 21.5 | 28.7 | 43 | 71.6 |
| Rated current | Arms | 6.0 | 9.0 | 12.0 | 18.0 | 28 |
| Instantaneous peak current | Arms | 18.0 | 27.0 | 36.0 | 54.0 | 84 |
| Rated rotated speed | min ⁻¹ | 2000 | | | | |
| Peak rotated speed | min ⁻¹ | 3000 | | | | |
| Rotator rotated inertia | x10 ⁻⁴ kg/m ² | 10(10.6) | 14.5(15.1) | 19.0(19.6) | 41.3(44.5) | 65.7(68.9) |
| Feedback unit | Standard | Incremental cable-saved type: 2500P/R | | | | |
| Heat-endurance level | | F | | | | |
| Environment humidity temperature | | 0 to +40°C (Non-iced) | | | | |
| Environment humidity | | 20 to 80% RH (No dew) | | | | |
| Protection method | | All-closed, Self-cooled, IP65 (Except output shaft and connector) | | | | |
| Anti-vibration performance | | 24.5m/s ² | | | | |

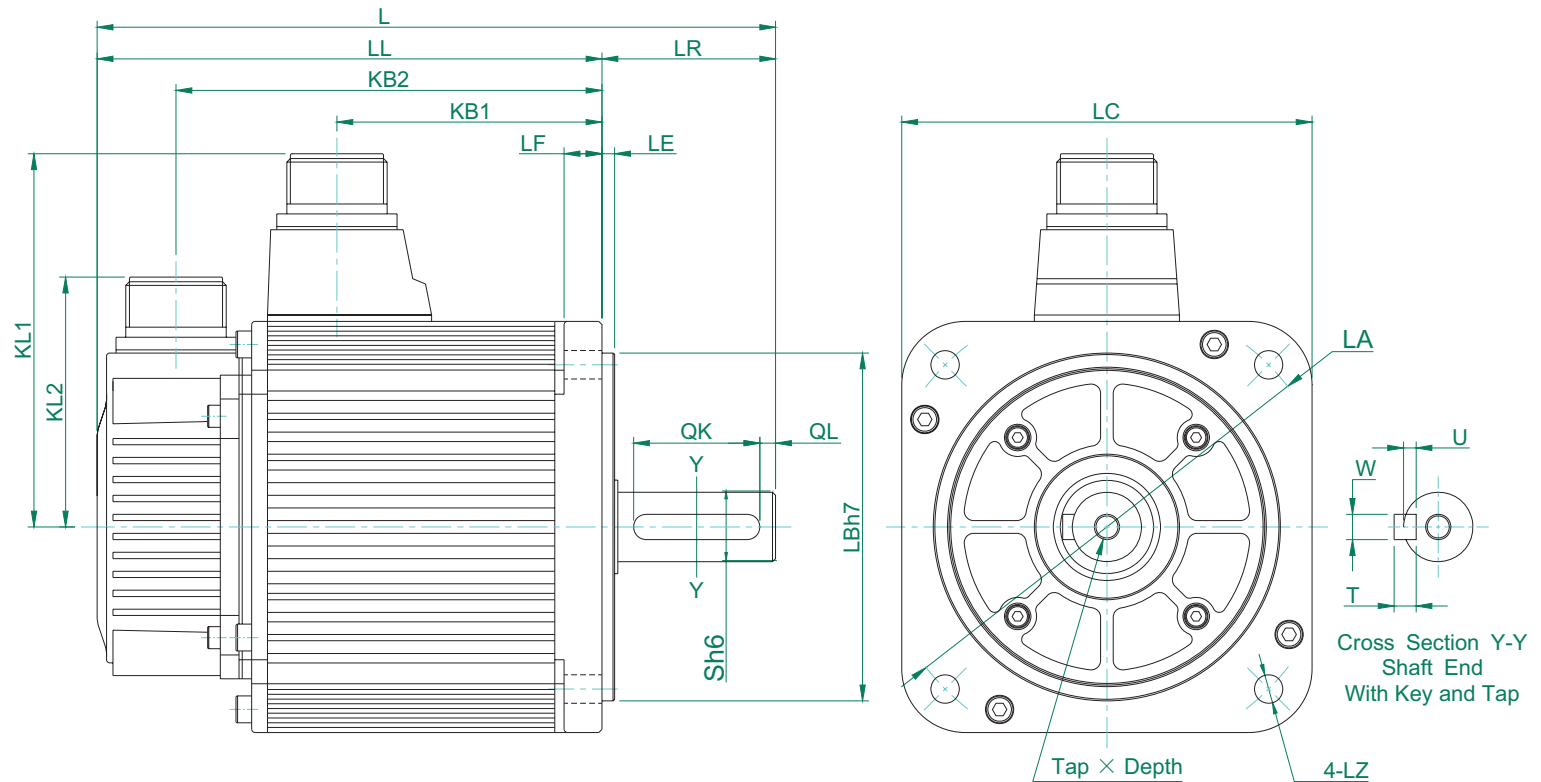
(Note): The values in parentheses are for servo motors with holding brakes.

Torque-Speed Feature





A: Continuous Working Area B: Repeatable Working Area



| Model EMG- | L | LL | KB1 | KB2 | KL1 | KL2 | Flange face | | | | | | S | Tap×Depth | Key | | | | | |
|---------------|-----|-----|-----|-----|-----|-----|-------------|-----|----|-----|-----|-------|------|-----------|--------|----|----|----|---|---|
| | | | | | | | LR | LE | LF | LC | LA | LB | | | LZ | QK | QL | W | T | U |
| 10A | 215 | 160 | 84 | 135 | 118 | 79 | 55 | 4 | 12 | 130 | 145 | 110 | 9 | 22 | M6x20L | 40 | 5 | 8 | 7 | 4 |
| 15A | 240 | 185 | 109 | 160 | 118 | 79 | 55 | 4 | 12 | 130 | 145 | 110 | 9 | 22 | M6x20L | 40 | 5 | 8 | 7 | 4 |
| 20A | 265 | 210 | 134 | 185 | 118 | 79 | 55 | 4 | 12 | 130 | 145 | 110 | 9 | 22 | M6x20L | 40 | 5 | 8 | 7 | 4 |
| 30A | 307 | 228 | 143 | 203 | 140 | 79 | 79 | 3.2 | 18 | 180 | 200 | 114.3 | 13.5 | 35 | M8x16L | 55 | 6 | 10 | 8 | 5 |
| 50A | 347 | 268 | 183 | 243 | 140 | 79 | 79 | 3.2 | 18 | 180 | 200 | 114.3 | 13.5 | 35 | M8x16L | 55 | 6 | 10 | 8 | 5 |