

Country Fact Sheet Motors



China



Regional Characteristics

Voltage 3 ~ 380V ± 10%
1 ~ 220V ± 10%

Frequency 50 Hz

Approval Mark China Compulsory Certification

Standard GB 12350
GB 14711

Regulation CNCA-C04-01:2014

Scope

- Rated voltage from 36 V up to 1000 V
- All kinds of AC asynchronous motors and AC synchronous motors with maximum continuous rating not exceeding 1.1 kW @1500 rpm
- Not applicable for Ex-motors, servomotors and multi-speed motors with a rating exceeding the above applicable range

Marking



Energy Efficiency China Energy Label

Regional Standard GB 18613
GB/T 1032
GB 755

Regulation CEL 007-2016

Mandatory Efficiency Class Energy efficiency level 3 (CEL3 equates to IE2)

Scope

- Rated output power from 0.75 up to 375 kW
- Rated voltage 380 V
- Rated frequency 50 Hz
- 2-, 4- and 6-pole
- For continuous duty operation

Exemptions

- Motors other than S1, S3 (duty factor ≥ 80%), S6 (cont. duty with intermittent loads), S9 (cont. duty with non-periodic load and speed variations)
- Exclusively suitable for inverter operation
- Ex-motors
- Brake Motors (The brake is inside the motor housing)
- Motors for heavy environmental conditions like ambient temperature above +60°C or below -30°C, installation altitude above 4000m
- Pole-changeable motors
- With Integral fans and blower motors

Marking



• Nominal efficiency (η) at 100 % load