

New Minimum Energy Performance Standards (MEPS) for Motors

With effect from 1 October 2018, motors sold in Singapore shall be registered with NEA and meet the minimum energy efficiency level of IE3 (International Energy Efficiency class 3). Please refer to the table below for more details.

Classes of Motors Covered	All single speed, 3-phase 50 Hz or 50/60 Hz induction motors that are rated on the basis of continuous duty operation, and with <ol style="list-style-type: none"> 1) 2, 4 or 6-poles; 2) Rated power between 0.75 kW and 375 kW; and 3) Rated voltage of up to 1,000V.
Classes of Motors Not Covered	<ol style="list-style-type: none"> 1) Special-purpose motors 2) Motors that operate wholly immersed in a liquid 3) Multi-speed motors, brake motors and torque motors 4) Motors that are completely integrated into a product 5) Motors that will be exported to other countries
Registration	<p>Importers and manufacturers of motors and motor-driven equipment/systems that are covered under these requirements must register themselves and their motor models with NEA.</p> <p>Please refer to the following links for more information on the registration process:</p> <ol style="list-style-type: none"> 1) Registration of suppliers 2) Registration of motors
Registration Fees	<p>New registration: \$57 per motor model Renewal: \$32 per motor model</p> <p>Each registration is valid for 3 years.</p>
Test standards	<p>Motors shall be tested according to:</p> <ol style="list-style-type: none"> 1) IEC 60034-2-1:2014 (method 2-1-1B) or 2) IEEE 112:2004 (method B) <p>Test reports from the following laboratories are accepted:</p> <ol style="list-style-type: none"> 1) Manufacturers' in-house test laboratories; 2) Test laboratories that have been accredited by the Singapore Accreditation Council (SAC) to carry out the test in accordance with the applicable test standards; or 3) Overseas test laboratories that have been accredited by their local accreditation bodies and have signed a Mutual Recognition Arrangement with SAC to carry out the test in accordance with the applicable test standards. <p>The test report template can be downloaded here.</p>
Other Requirements	<p>A registered supplier is required to display the following information on the motor nameplate:</p> <ol style="list-style-type: none"> a) The year of manufacture; b) IE efficiency class; and c) Nominal efficiency at 100%, 75% and 50% rated load