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ENERGY CONSERVATION ACT (CHAPTER 92C)

ENERGY CONSERVATION (PRESCRIBED REGULATED GOODS) (AMENDMENT) ORDER 2018

In exercise of the powers conferred by section 11 of the Energy Conservation Act, the Minister for the Environment and Water Resources, after consulting the National Environment Agency, makes the following Order:

Citation and commencement

1. This Order is the Energy Conservation (Prescribed Regulated Goods) (Amendment) Order 2018 and comes into operation on 1 October 2018.

Amendment of paragraph 2

2. Paragraph 2 of the Energy Conservation (Prescribed Regulated Goods) Order 2017 (G.N. No. S 747/2017) is amended by deleting the full-stop at the end of sub-paragraph (e) and substituting a semi-colon, and by inserting immediately thereafter the following sub-paragraph:

“(f) any motor described in Part 1 of the Sixth Schedule, from the date specified opposite that motor.”.

New Sixth Schedule

3. The Energy Conservation (Prescribed Regulated Goods) Order 2017 is amended by inserting, immediately after the Fifth Schedule, the following Schedule:

“SIXTH SCHEDULE

Paragraph 2(f)

PART 1

MOTORS THAT ARE REGULATED GOODS

<i>Description of motor</i>	<i>Date from which becomes regulated goods</i>
1. Any specified electric single speed induction motor	1 October 2018

PART 2

DEFINITIONS

In this Schedule —

“driven unit” means the appliance or piece of equipment that a motor drives, and includes a shaft or housing;

“excluded motor” means a motor that is —

- (a) designed to operate wholly immersed in a liquid;
- (b) integral to its driven unit, where —
 - (i) the motor shares common components (apart from connectors such as bolts) with the driven unit; and
 - (ii) the separation of the motor from the driven unit will render the motor inoperative;
- (c) designed to operate exclusively —
 - (i) where ambient air temperatures exceed 60°C;
 - (ii) with a maximum operating temperature above 400°C;
 - (iii) where ambient air temperatures are less than -30°C in the case of any motor, or less than 0°C in the case of a motor with water cooling;
 - (iv) where the water coolant temperature at the inlet to the product in which the motor is embedded is less than 0°C or exceeding 32°C; or
 - (v) in an atmosphere that could become explosive due to local and operational conditions;

- (d) equipped with an electro-mechanical brake unit operating directly on the motor shaft without couplings;
- (e) a high slip motor designed primarily to provide torque, often at or near 100% slip; or
- (f) supplied exclusively for export to another country, or supplied exclusively for the incorporation of the motor into equipment that will be exported to another country;

“IEC” means the International Electrotechnical Commission;

“motor” means a machine that converts electrical energy into mechanical energy;

“pole” means the total number of magnetic north and south poles produced by the rotating magnetic field of the motor;

“specified electric single speed induction motor” means an electric single speed, three-phase 50 Hz or 50/60 Hz, squirrel cage induction motor (including a motor that runs at different speeds by means of a variable voltage or variable frequency controller) that is not an excluded motor, and that —

- (a) has 2 to 6 poles;
- (b) has a rated voltage of up to 1,000 volts;
- (c) has a rated output power between 0.75 kW and 375 kW; and
- (d) is rated for duty type S1, S3 (with cyclic duration factor of 80% or more), S6 or S9, in accordance with IEC 60034-1 (2017); and

“squirrel cage induction motor” means an electric motor with no brushes, commutators, slip rings or electrical connections to the rotor.”.

Transitional provision

4. Paragraph 2 does not apply to a motor mentioned in paragraph 2(f) of the Energy Conservation (Prescribed Regulated Goods) Order 2017 that is supplied under an agreement entered into before 1 October 2018.

Made on 25 September 2018.

ALBERT CHUA
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Ministry of the Environment and
Water Resources,
Singapore.*

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