EECA TE TARI TIAKI PŪNGAO ENERGY EFFICIENCY & CONSERVATION AUTHORITY

Greenhouse and Energy Minimum Standards Regulator

GREENHOUSE AND ENERGY MINIMUM STANDARDS (GEMS) PRODUCT REGISTRATION APPLICATION QUESTIONS

ELECTRIC MOTORS

NEW ZEALAND

Per New requirements (Three Phase Electric Motors) 2019

August 2019

This form is designed for applicants' internal use only, not for submitting applications to the GEMS Regulator.

All applications for product registration must be submitted to the Regulator via the online registration database at https://reg.energyrating.gov.au.

The Regulator cannot accept any applications in hard copy.

Note that this form may be updated from time to time to reflect changes to the registration database and it is the applicant's responsibility to ensure they are using the latest version.

Any question with an asterisk (*) next to it is mandatory.

CONTENTS

VERSION CONTROL

Revision Date	Version	Summary of Changes
30 August 2019	1.0	Document finalised.
29 August 2019	0.1	Initial document created.

MODELS AND MANUFACTURER

Product Model Information

Fill in one of the two boxes below, depending on if the product being registered is a single model or a family of models.

FOR SINGLE MODELS

Model Number:* _____ **Brand:*** _____

FOR FAMILY OF MODELS

What is the family name of the models covered by this application?*

_____

Please provide details for each model covered by this registration:
There is a limit of 10 model number(s) for the determination: New requirements (Three Phase Electric Motors) 2019.

#1
Model Number:* _____
Brand:* _____

#2
Model Number:* _____
Brand:* _____

#3
Model Number:* _____
Brand:* _____

#4
Model Number:* _____
Brand:* _____

#5
Model Number:* _____
Brand:* _____

#6
Model Number:* _____
Brand:* _____

#7
Model Number:* _____
Brand:* _____

#8
Model Number:* _____
Brand:* _____

#9
Model Number:* _____
Brand:* _____

#10
Model Number:* _____
Brand:* _____

Manufacturing Information

☐ Tick if the product is manufactured in-house

Please provide the following information on the manufacturer if the product is not manufactured in-house. Additional fields are included if there are more than one manufacturer for this product.

Manufacturer Name:* _____

Manufacturer ABN or Company Number:* _____

Name of Contact Person:* _____

Company Phone:* _____ **Company Fax:** _____

Company Email:* _____ **Company Website:** _____

Street Address:* _____

Suburb/Region:* _____ **Postal Code:*** _____ **State/Region:** _____

Country:* _____

Is the postal address the same as the street address?* ☐ Yes ☐ No

If you have ticked No, please complete the postal address fields below:

Postal Address: _____

Suburb/Region:* _____ **Postal Code:*** _____ **State/Region:** _____

Country:* _____

Second Manufacturer

If applicable, who is the second manufacturer?

Manufacturer Name:* _____

Manufacturer ABN or Company Number:* _____

Name of Contact Person:* _____

Company Phone:* _____ **Company Fax:** _____

Company Email:* _____ **Company Website:** _____

Street Address:* _____

Suburb/Region:* _____ **Postal Code:*** _____ **State/Region:** _____

Country:* _____

Is the postal address the same as the street address?* ☐ Yes ☐ No

If you have ticked No, please complete the postal address fields below:

Postal Address: _____

Suburb/Region:* _____ **Postal Code:*** _____ **State/Region:** _____

Country:* _____

Third Manufacturer

If applicable, who is the third manufacturer?

Manufacturer Name:* _____

Manufacturer ABN or Company Number:* _____

Name of Contact Person:* _____

Company Phone:* _____ **Company Fax:** _____

Company Email:* _____ **Company Website:** _____

Street Address:* _____

Suburb/Region:* _____ **Postal Code:*** _____ **State/Region:** _____

Country:* _____

Is the postal address the same as the street address?* ☐ Yes ☐ No

If you have ticked No, please complete the postal address fields below:

Postal Address: _____

Suburb/Region:* _____ **Postal Code:*** _____ **State/Region:** _____

Country:* _____

In what country/countries is this product manufactured?*

_____

_____

How can the date of manufacture be determined from permanent markings on the appliance?* - Please tick accordingly and if required, provide further information

☐ From a date permanently marked on the rating plate in a non-encrypted format
Provide an example of the date format:

_____
_____

☐ From a date permanently marked on the rating plate in an encrypted format
Describe how the date of manufacture can be determined from the markings on the appliance:

_____
_____
_____
_____

☐ From another form of permanent marking on the product
Describe how the date of manufacture can be determined from the markings on the appliance:

_____
_____
_____
_____

☐ No date mark

Sale Information

In what country/countries will this product be sold?* (please tick one or both, if required)

☐ Australia
☐ New Zealand

When will this product be (or when was this product) first available for purchase?* (please specify exact date) _____

LABS & TEST REPORTS

Is a test report provided?*

☐ Yes – a test report is provided (please ensure test report is provided with this form)

If you ticked yes, please answer the questions below:

What test standard was used?* (please tick one)

☐ IEEE 112: 2004 ☐ IEEE 112: 2017 ☐ IEC 60034-2-1 (Edition 2.0)

Which laboratory performed the testing?* - please provide name of laboratory, type of lab (independent or own lab), and street and/or postal address.

_____

_____

_____

_____

Please provide details for each test report, if multiple test reports are provided.

Test Report Number:* _____

Report Signatory:* _____

Test Date:* _____

Test Unit Serial Number: * _____

☐ No – no test report available but registration details containing test relevant to this product provided

If you ticked 'no test report available, but registration details provided', please answer the question below:

Registration number of the unit whose test forms the basis of this application*:

_____

Comments regarding the product, the test procedure or test results that should be taken into account when assessing the product for compliance:

_____

_____

_____

_____

APPLIANCE DETAILS

Rated load:* _____ kW

Frequency:* (please tick one) ☐ 50 ☐ 60 ☐ 50/60 ☐ Other: _____

Number of poles:* (please tick one) ☐ 2 ☐ 4 ☐ 6 ☐ 8

Motor design type:* (please tick one) ☐ TEFC ☐ OPDP ☐ Other:_____

Mounting code: (IEC 60034.7)* (tick all that apply)

☐ B3	☐ B5	☐ B6	☐ B7	☐ B8	☐ B9	☐ B10
☐ B14	☐ B15	☐ B20	☐ B25	☐ B30	☐ B34	☐ B35
☐ V1	☐ V2	☐ V3	☐ V4	☐ V5	☐ V6	☐ V8
☐ V9	☐ V10	☐ V14	☐ V15	☐ V16	☐ V18	☐ V19
☐ V30	☐ V31	☐ V36				

Tested full load RPM:* _____

Note: This is the Tested Full Load RPM (100% Load) RPM – Not the RPM value listed on the motor Rating Plate.

Current:* _____ A

(You only need to fill in this field if you are registering a family of models.)

Voltage or voltage range marked on nameplate:* (tick all that apply)

☐ 200V	☐ 220V	☐ 230V	☐ 240V	☐ 380V	☐ 400V	☐ 415v
☐ 440 V	☐ 460V	☐ 480V	☐ 550V	☐ 690V	☐ 1000V	☐ 1100V

☐ Other: _____

Frame code (IEC 60072/60072A):* (tick all that apply)

☐ 56M (foot)	☐ 63M (foot)	☐ 71M (foot)	☐ 80M (foot)	☐ 90S (foot)	☐ 90L (foot)
☐ 100S(foot)	☐ 100L(foot)	☐ 112S (foot)	☐ 112M (foot)	☐ 112L (foot)	☐ 132S (foot)
☐ 132M(foot)	☐ 132L(foot)	☐ 160S (foot)	☐ 160M (foot)	☐ 160L (foot)	☐ 180S (foot)
☐ 180M(foot)	☐ 180L(foot)	☐ 200S (foot)	☐ 200M (foot)	☐ 200L (foot)	☐ 225S (foot)
☐ 225M(foot)	☐ 225L (foot)	☐ 250S (foot)	☐ 250M (foot)	☐ 250L (foot)	☐ 280S (foot)
☐ 280M(foot)	☐ 280L(foot)	☐ 315S (foot)	☐ 315M (foot)	☐ 315L (foot)	☐ 355S (foot)
☐ 355M (foot)	☐ 355L (foot)	☐ 400S (foot)	☐ 400M (foot)	☐ 400L (foot)	☐ 450 (foot)
☐ 500 (foot)	☐ 560 (foot)	☐ 630 (foot)	☐ 710 (foot)	☐ 800 (foot)	☐ 900 (foot)
☐ 1000 (foot)	☐ 55 (flange)	☐ 65 (flange)	☐ 75 (flange)	☐ 85 (flange)	☐ 100 (flange)
☐ 115 (flange)	☐ 130 (flange)	☐ 165 (flange)	☐ 215 (flange)	☐ 265 (flange)	☐ 300 (flange)
☐ 350 (flange)	☐ 400 (flange)	☐ 500 (flange)	☐ 600 (flange)	☐ 740 (flange)	☐ 940 (flange)
☐ 1080 (flange)	☐ 1180 (flange)	☐ 1320 (flange)	☐ 1500 (flange)	☐ 1700 (flange)	☐ 1900 (flange)
☐ 2120 (flange)	☐ 2360 (flange)	☐ BF10 (flange – small built in motor)	☐ BF14 (flange – small built in motor)	☐ BF16 (flange – small built in motor)	☐ BF22 (flange – small built in motor)
☐ BF28 (flange – small built in motor)	☐ BF32 (flange – small built in motor)	☐ BF36 (flange – small built in motor)	☐ BF40 (flange – small built in motor)	☐ BF45 (flange – small built in motor)	☐ BF50 (flange – small built in motor)

☐ Other: _____

Enclosure code type (IEC 60034-5):* (tick all that apply)

☐ IP00: No water protection	☐ IP01: Protection from vertical drips	☐ IP02: Protection from drips at 15 degrees	☐ IP10: No water protection
☐ IP11: Protection from vertical drips	☐ IP12: Protection from drips at 15 degree tilt	☐ IP13: Protection from spray at 60 degrees	☐ IP14: Protection from splashing water
☐ IP15: Protection from water jets	☐ IP20: No water protection	☐ IP21: Protection from vertical drips	☐ IP22: Protection from drips at 15 degree tilt
☐ IP23: Protection from spray at 60 degrees	☐ IP24: Protection from splashing water	☐ IP25: Protection from water jets	☐ IP30: No water protection
☐ IP31: Protection from vertical drips	☐ IP32: Protection from drips at 15 degree tilt	☐ IP33: Protection from spray at 60 degrees	☐ IP34: Protection from splashing water
☐ IP35: Protection from water jets	☐ IP40: No water protection	☐ IP41: Protection from vertical drips	☐ IP42: Protection from drips at 15 degree tilt
☐ IP43: Protection from spray at 60 degrees	☐ IP44: Protection from splashing water	☐ IP45: Protection from water jets	☐ IP46: Protection from heavy seas
☐ IP47: Protection against immersion	☐ IP48: Protection against continuous immersion	☐ IP50: No water protection	☐ IP51: Protection from vertical drips
☐ IP52: Protection from drips at 15 degree tilt	☐ IP53: Protection from spray at 60 degrees	☐ IP54: Protection from splashing water	☐ IP55: Protection from water jets
☐ IP56: Protection from heavy seas	☐ IP57: Protection against immersion	☐ IP58: Protection against continuous immersion	☐ IP65: Protection against water jet
☐ IP66: Protection against powerful water jet			

MEPS

Is MEPS applicable?* ☐ Yes – 2018 MEPS level ☐ No

If you ticked yes, please answer the questions below:

At what load does this model comply with MEPS?* (please tick one)

☐ 100% rated load ☐ 75% rated load ☐ Both 100% and 75% rated load

Does this model comply with high efficiency requirements (HEPS?)*

☐ Yes – 2018 High Efficiency level ☐ No

If you ticked yes to high efficiency requirements, please answer the question below:

At what load does this model comply with high efficiency requirements??* (please tick one)

☐ 100% rated load ☐ 75% rated load ☐ Both 100% and 75% rated load

TEST RESULTS

Which test method was used?* (please tick one) ☐ Method B ☐ Method 2-1-1B

Nominal full-load

Efficiency:* _____ % **Power factor:*** _____

Nominal ¾ load

Efficiency:* _____ % **Power factor:*** _____

Nominal ½ load

Efficiency:* _____ % **Power factor:*** _____