# CUS320 Motor Calibration

The following are the steps that are required to carry out the calibration for the motor connected to the CUS320.

1. Take the picture of the motor plate that shows its characteristics like Vrms, Irms, rpm, power factor etc.
2. Match these values with the motor connected to the CUS320 in the TIA PORTAL. The image is shown below.

A computer screen shot of a computer

AI-generated content may be incorrect.

1. Once it is done then go online with the CU where the motor is connected that needs to be calibrated.
2. Select the option rotate and optimized as shown below

A screenshot of a computer program

AI-generated content may be incorrect.

1. Go to stationery and measurement and activate the measurement.
2. Start the stationary measurement then once it is done then start the rotational measurement.
3. Once both are done then go to parameterization section and set the p971 to 1. This will save the parameter to the drive.
4. Other parameters that needs to look into if required are the ramp up/down time parameter which are p1120 and p1121 (0.1 sec also works).
5. Once done then do the upload the settings from the drive (No Download).
6. Once done then save the project so that online and offline parameters will be same.