

## Project Inspiration, Specs Motor

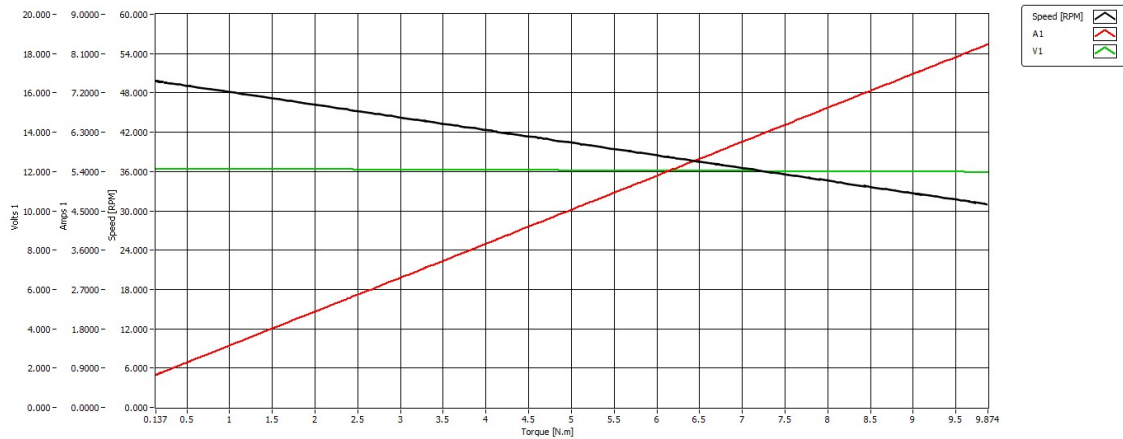
The current motor is this one:

<https://www.parvalux.com/pm11-s.html>, which is a DC Permanent Magnet Brushed Geared Motor.

We use a transmission ratio of 1:48 and a rated speed of 2000 rpm.

This motor has been found sufficient both in terms of endurance and in terms of moment output.

This used motor has the following properties:



To fit into the current CAD design, the motor has to have mechanical interfaces (mounting holes and shaft) as in this drawing:

<https://www.parvalux.com/media/wysiwyg/parvalux/datasheets/pm11-s-data-sheet-10-10-2016.pdf>

The manufacturer of the motor (Parvalux) has signaled to have sufficient capacity, and to be able to ship anywhere in the world, depending on the availability of cargo flights.