

As per requested to calculate the angle of the rotating leg we designed a 3D model of the robot's legs and with the table above we see the best suitable motor is 5 RPM and it will give us a 30 Degree angle but the actual motor power will be the electric department.

Revolutions Per Minute	Degrees Per Second
1 RPM	6 °/s
2 RPM	12 °/s
3 RPM	18 °/s
4 RPM	24 °/s
5 RPM	30 °/s
6 RPM	36 °/s