Basic Mathematics model

Derived relationship ( for ideal condition)

= power rate = 19.8 W

= no load = 0.7025 // มาจาก 0.25\*2.81 ไม่แน่ใจเหมือนกัน

I rated = current rating = 2.81 A

= Omega no load = 145rpm = 7.6 rad/s

= omega rated = 5750 rpm = 602.13859125 rad/s

= v input = 12

= efficiency = 1

= 0.504613432 (constant motor)// = 6.17475 //

= 10000 g\*cm = 10 kg\*cm = 0.980665 nm // g = 9.80665

A picture containing text, whiteboard

Description automatically generated

A white board with writing

Description automatically generated with low confidence