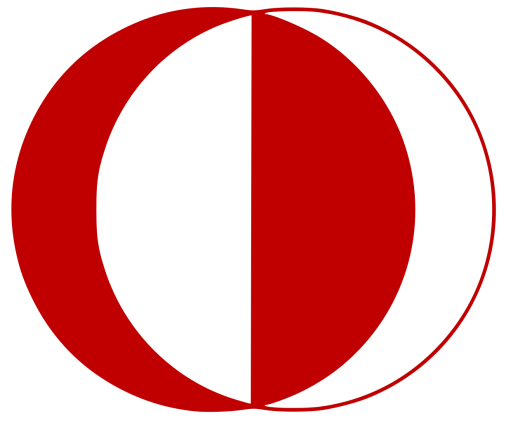
**EE564**

**DESIGN OF ELECTRICAL**

**MACHINES**

**2015/16 Spring Semester**

**Project #3**



**Name, Surname : Melih VAR**

**Student Number : 1741719**

### Project requirements: *Modelling Your 2nd Project Designs in FEA*

### Software Used : Ansoft Maxwell 14.0

### RMxprt Design of the Traction Motor

### Inputs

### 

### Machine

### 

### Stator

### 

### 

### Stator Slot

### 

### Stator Winding

### 

### 

### 

### Rotor

### 

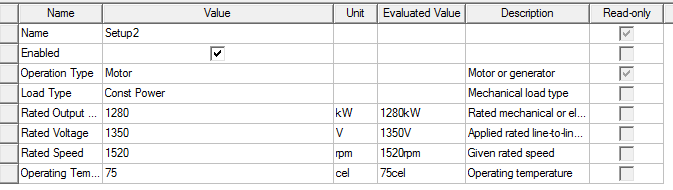
### Rotor Slot

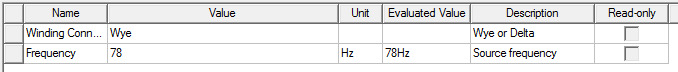
### 

### Rotor Winding

### 

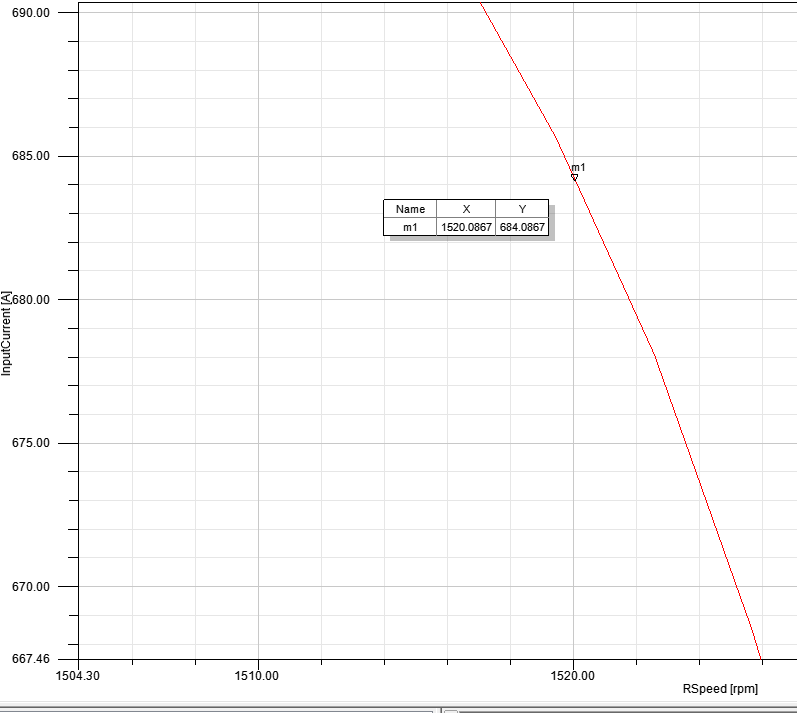
### Analysis Setup





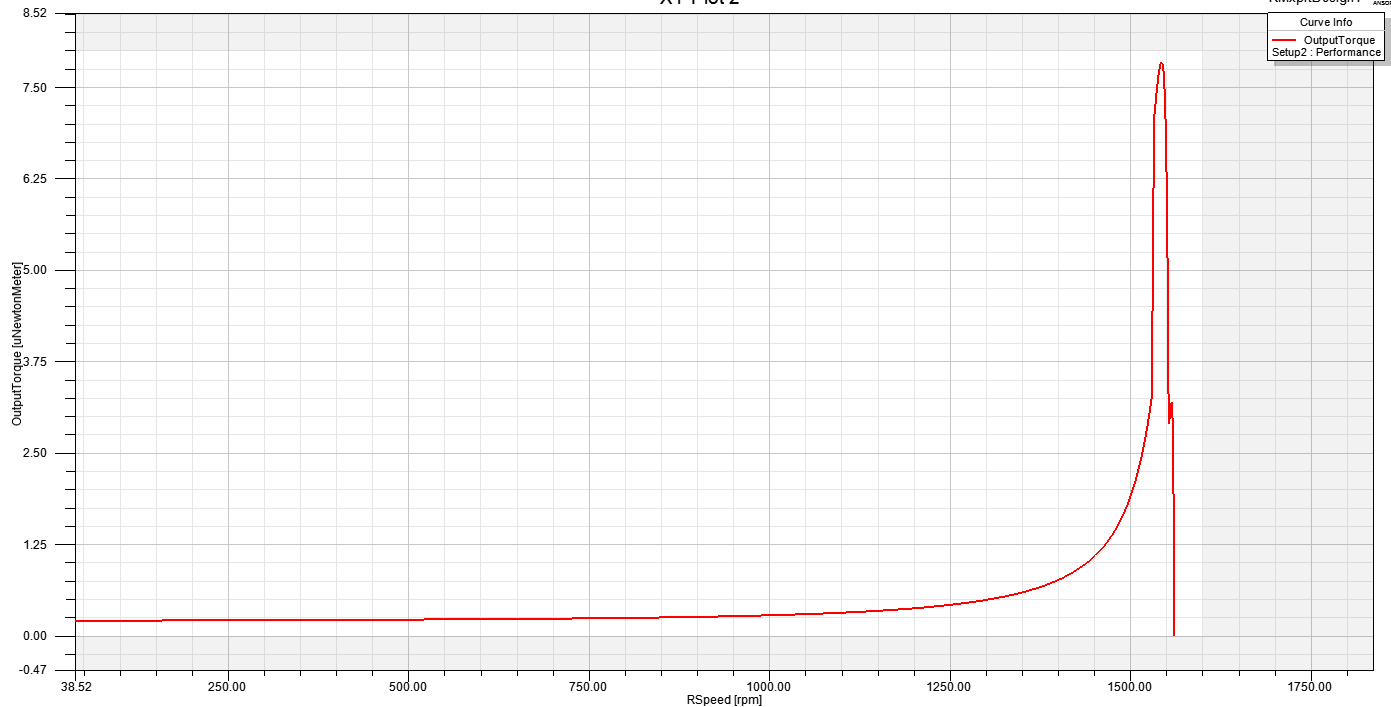
**Results**

Input Current

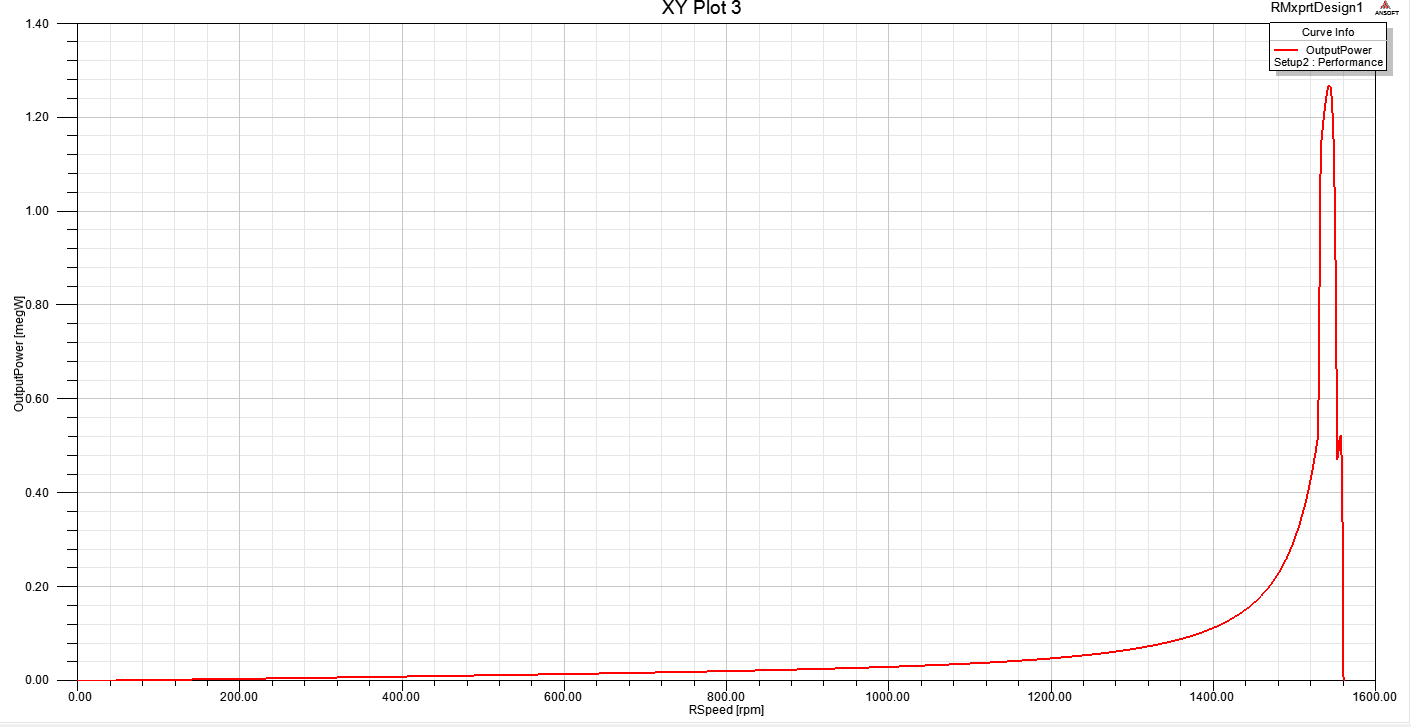


Hand Calculation : 617.85 A

Torque vs Speed Curve



Power vs Speed Curve



Efficiency vs Speed Curve

