**Cc pe/rmin - to - kg per sec**

**mass\_of\_fuel1=[(fuel1\*10^-6)/60]\*density1**

**mass\_of\_fuel2=[(fuel2\*10^-6)/60]\*density2**

**Heat input= Mass of fuel1\*cf1 +mass of fuel 2 \* cf2**

**bte=bp/heat input**

* bp=(2\*pi\*n\*t) / 60000 n=1500,t=w\*r\*9.81
* 312000=(2\*3.14\*1500\* w\*0.185\*9.81) 17095.887

5.2=18.25kg

4.16=14.6kg

3.12=10.95kg

1.04=3.65

2.08=7.30