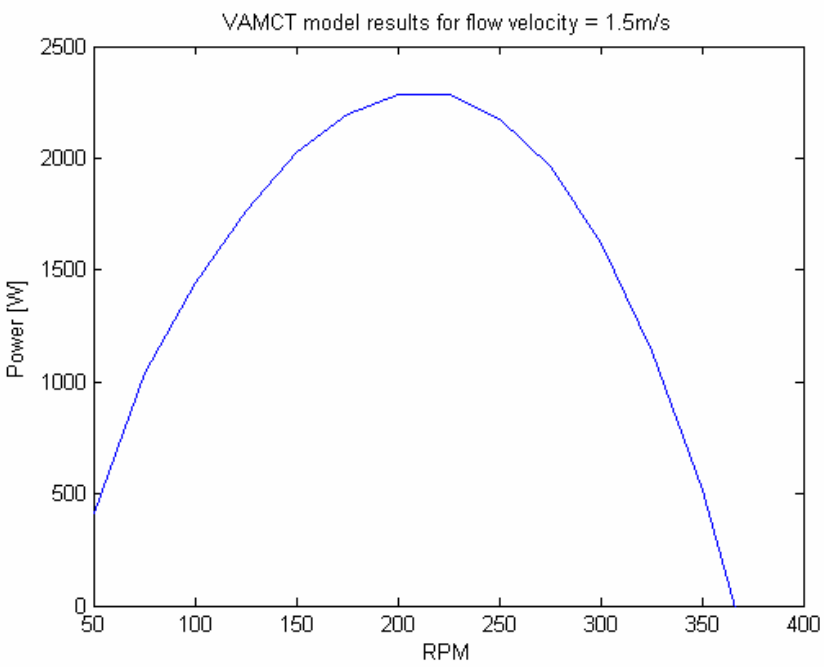

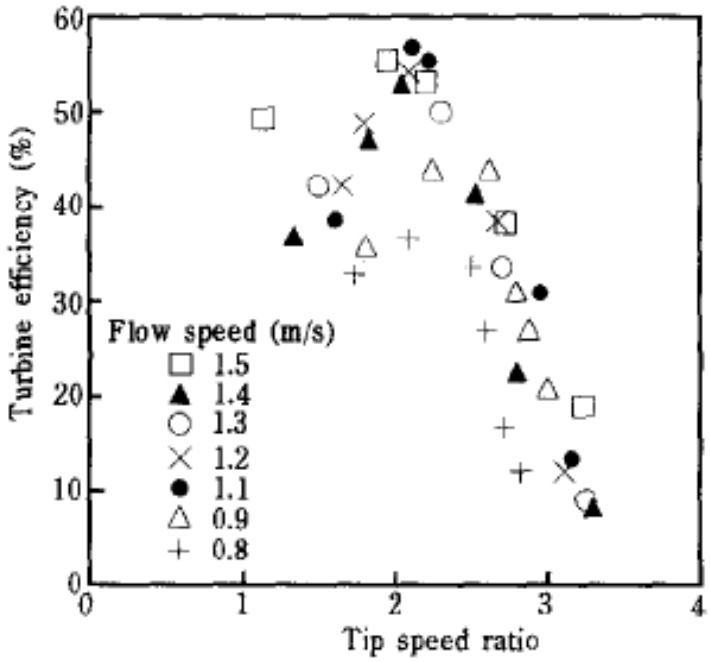

Results from Kiho et al [ref: technology ***(22)]***

VAMCT Model outputs for flow conditions $1<U_{\infty}<5.5$ ms^{-1}

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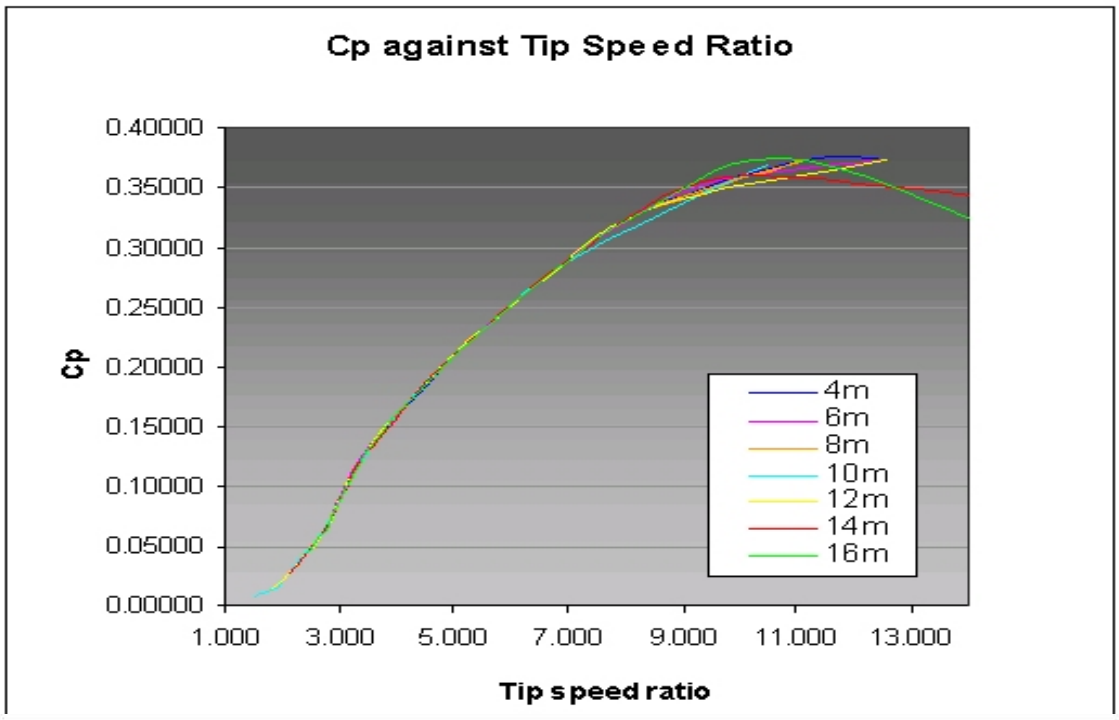
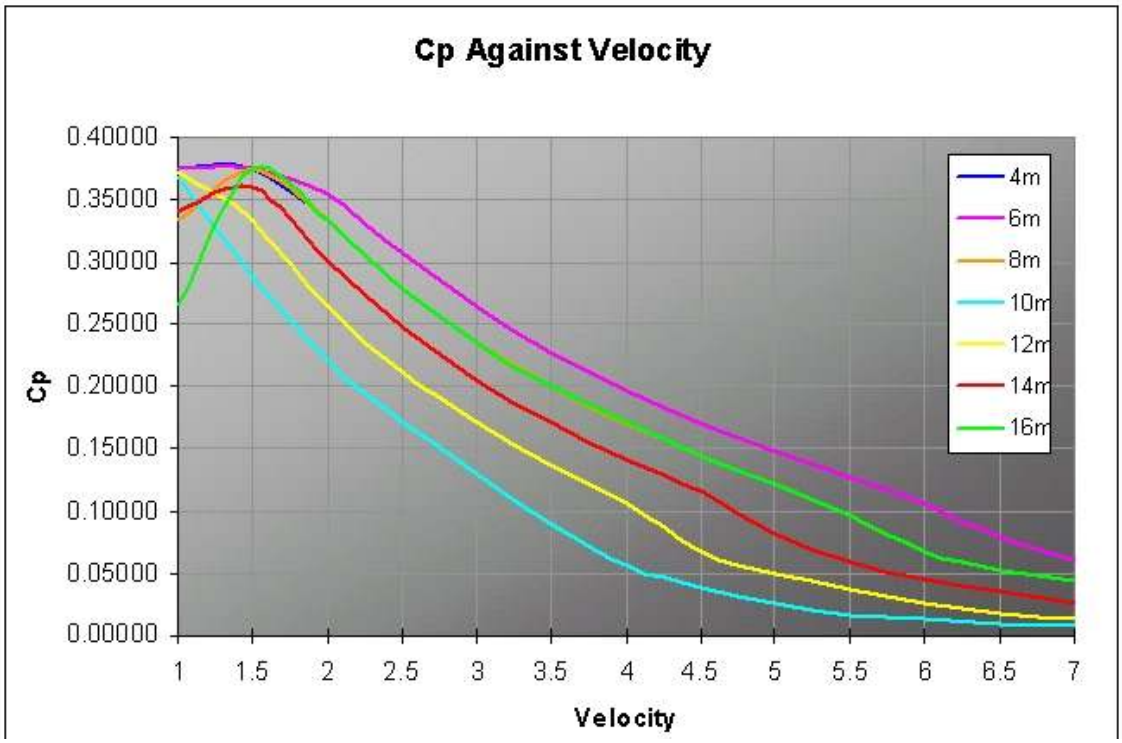
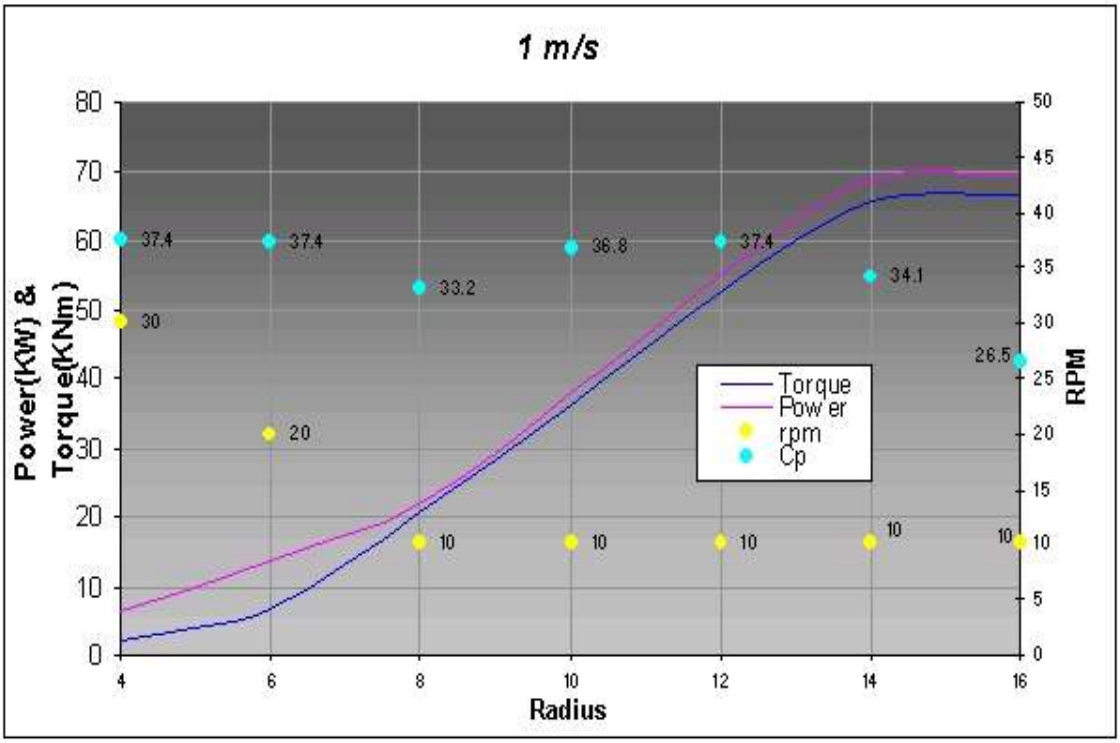
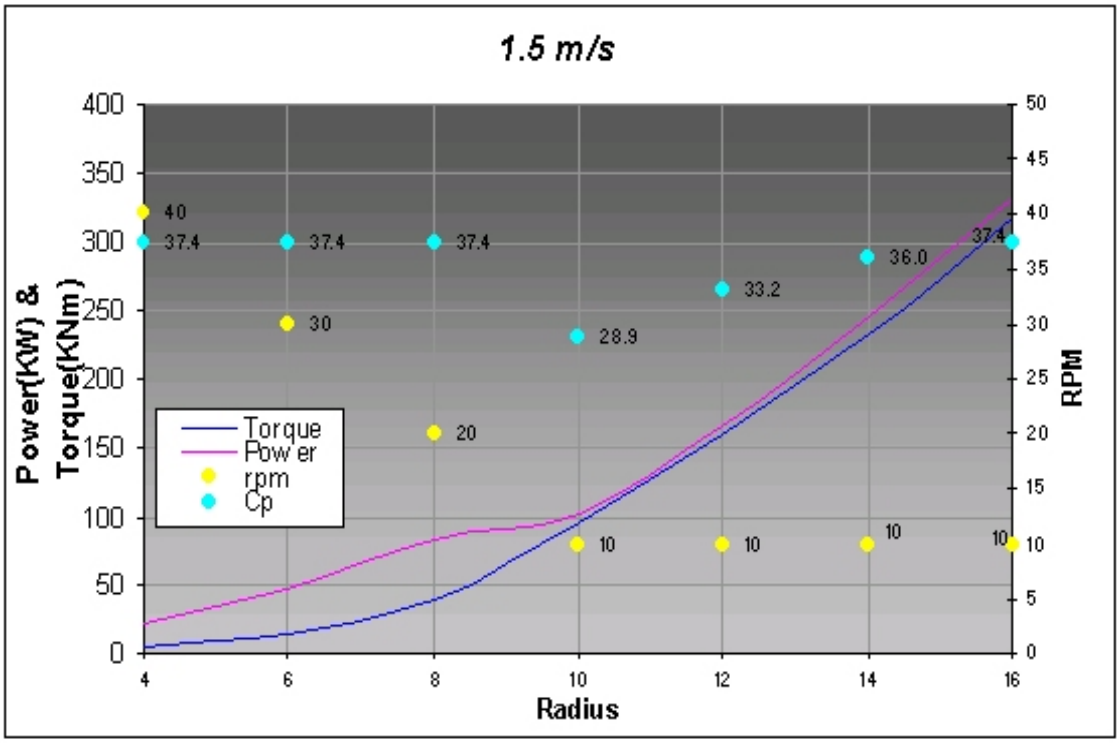
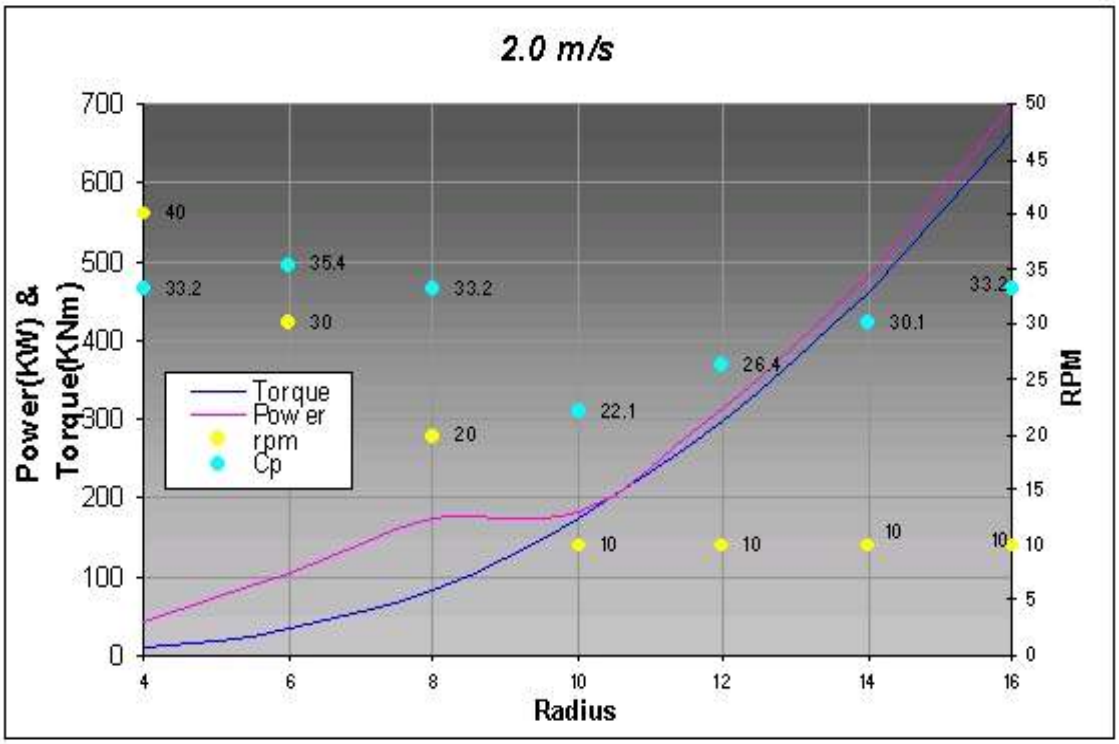
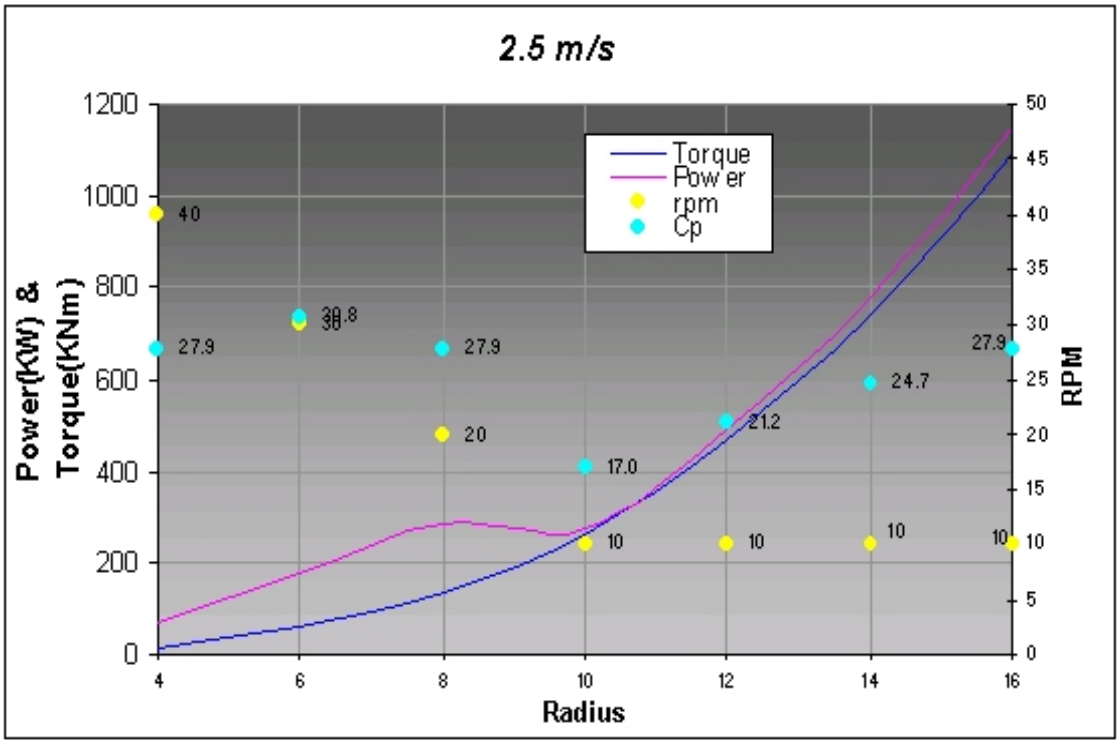


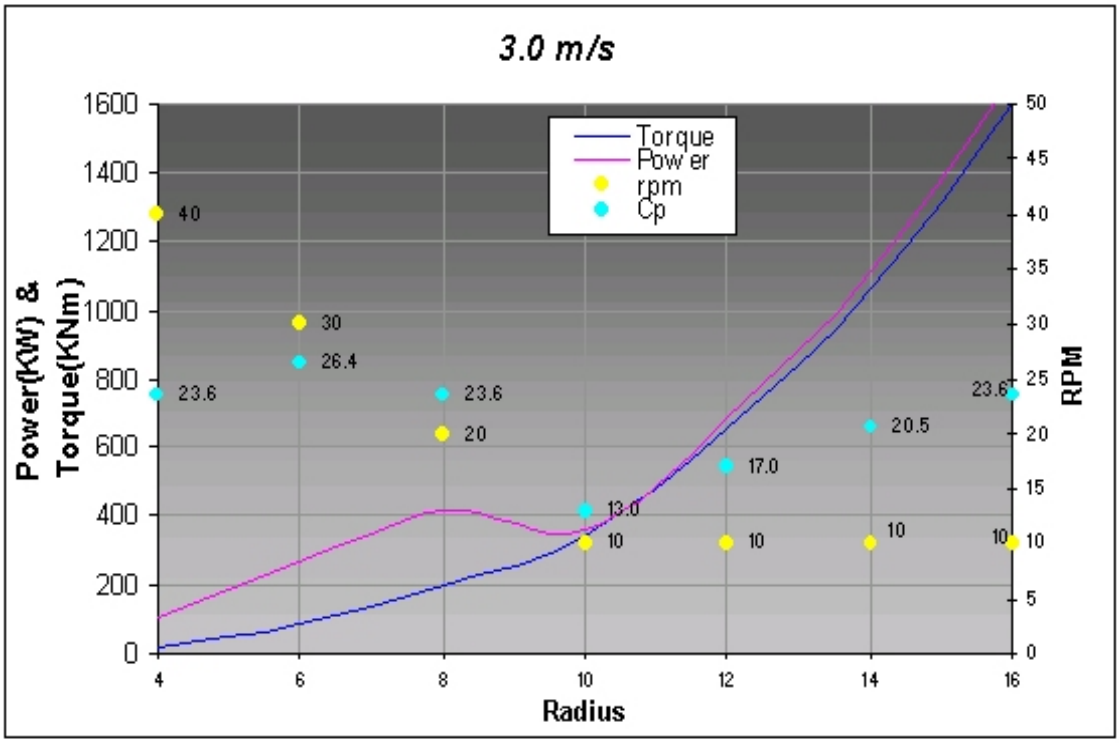


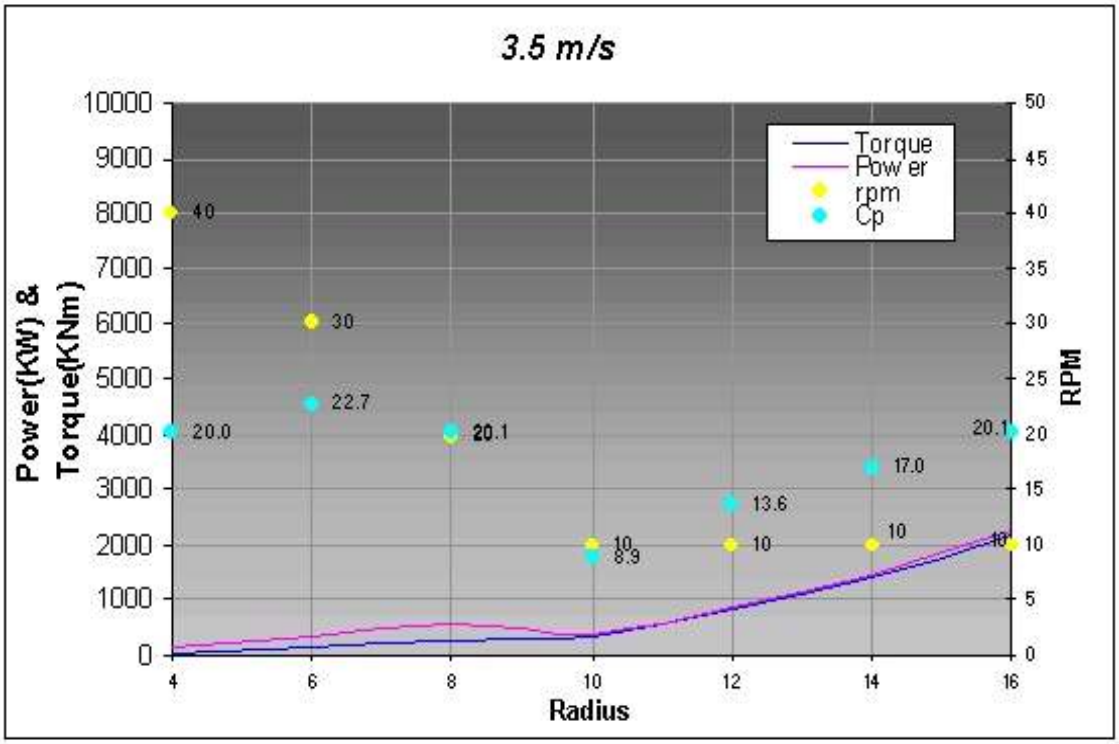

1 m/s
Power(KW) & Torque(KNm)
RPM
Radius
Torque
Power
rpm
Cp
37.4
37.4
33.2
36.8
37.4
34.1
26.5
30
20
10
10
10
10
10

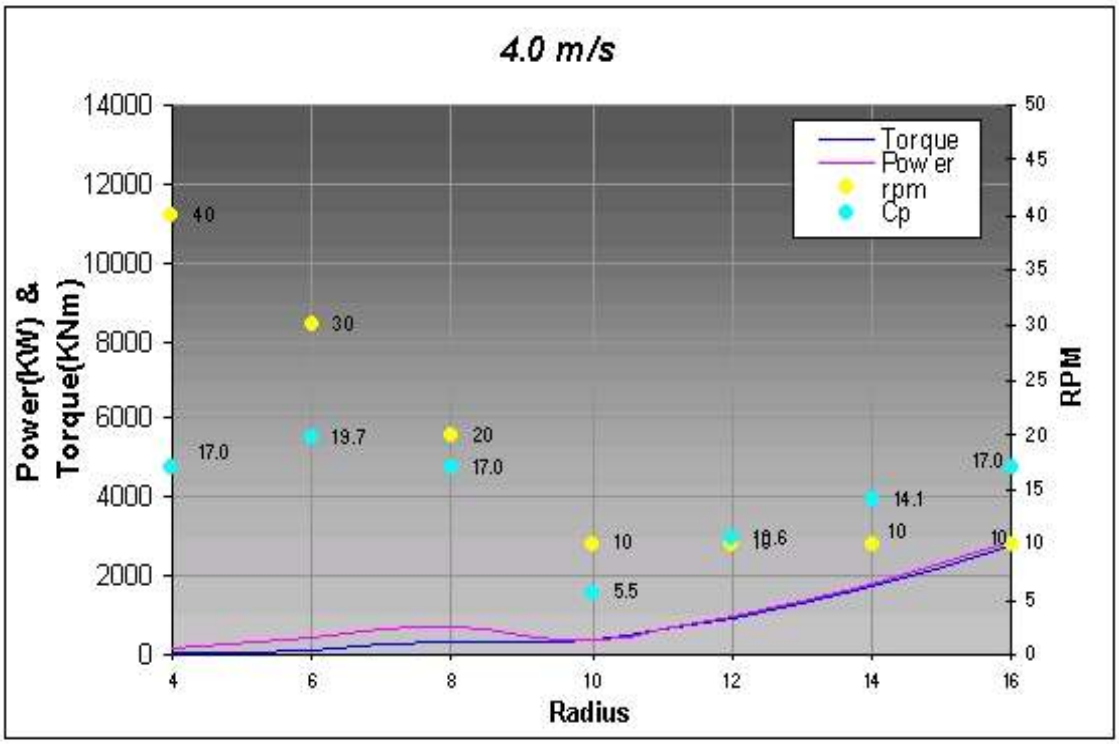

1.5 m/s
Power(KW) & Torque(KNm)
RPM
Radius
Torque
Power
rpm
Cp
40
37.4
37.4
37.4
36.0
37.4
33.2
30
28.9
20
10
10
10
10

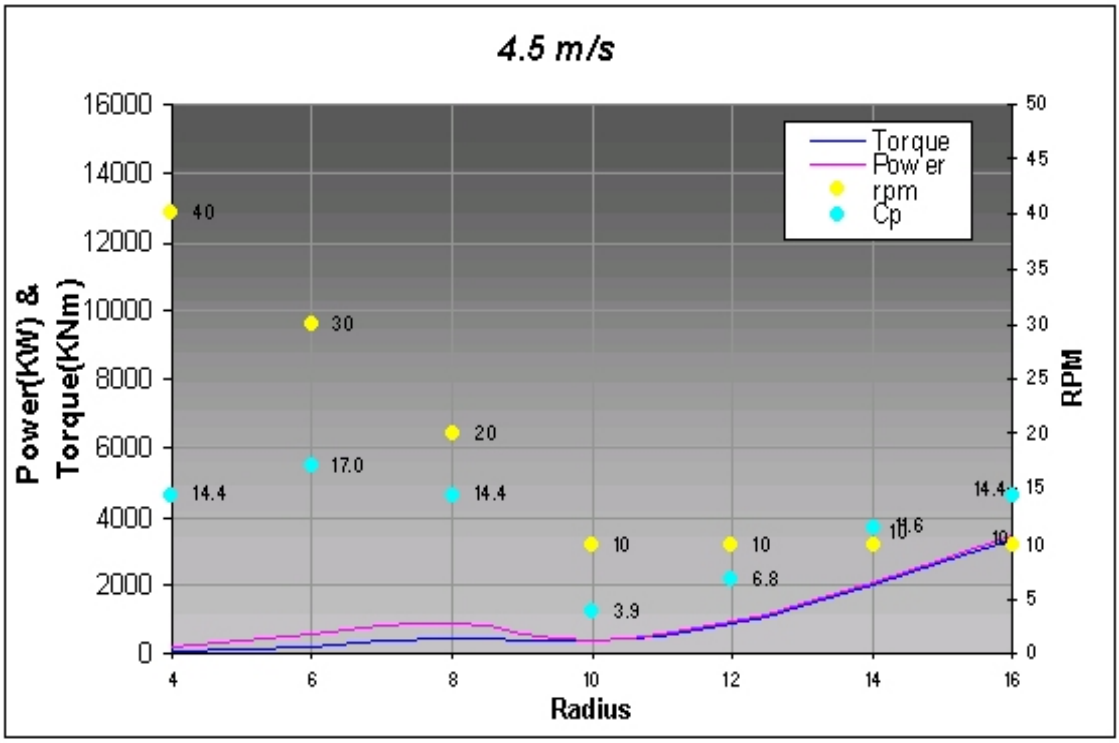

2.0 m/s
Power(KW) & Torque(KNm)
RPM
Radius
Torque
Power
rpm
Cp
40
35.4
33.2
33.2
33.2
30
30.1
26.4
22.1
20
10
10
10
10

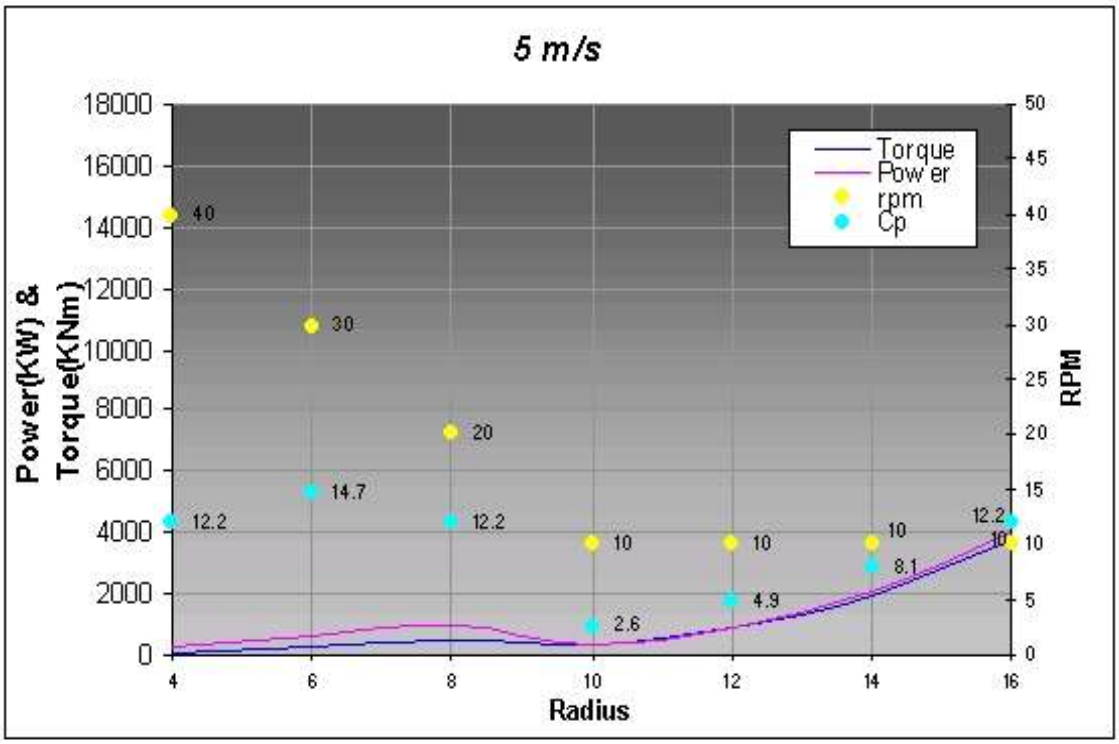

2.5 m/s
Power(KW) & Torque(KNm)
RPM
Radius
Torque
Power
rpm
Cp
40
27.9
27.9
27.9
24.7
21.2
20
17.0
10
10
10
10

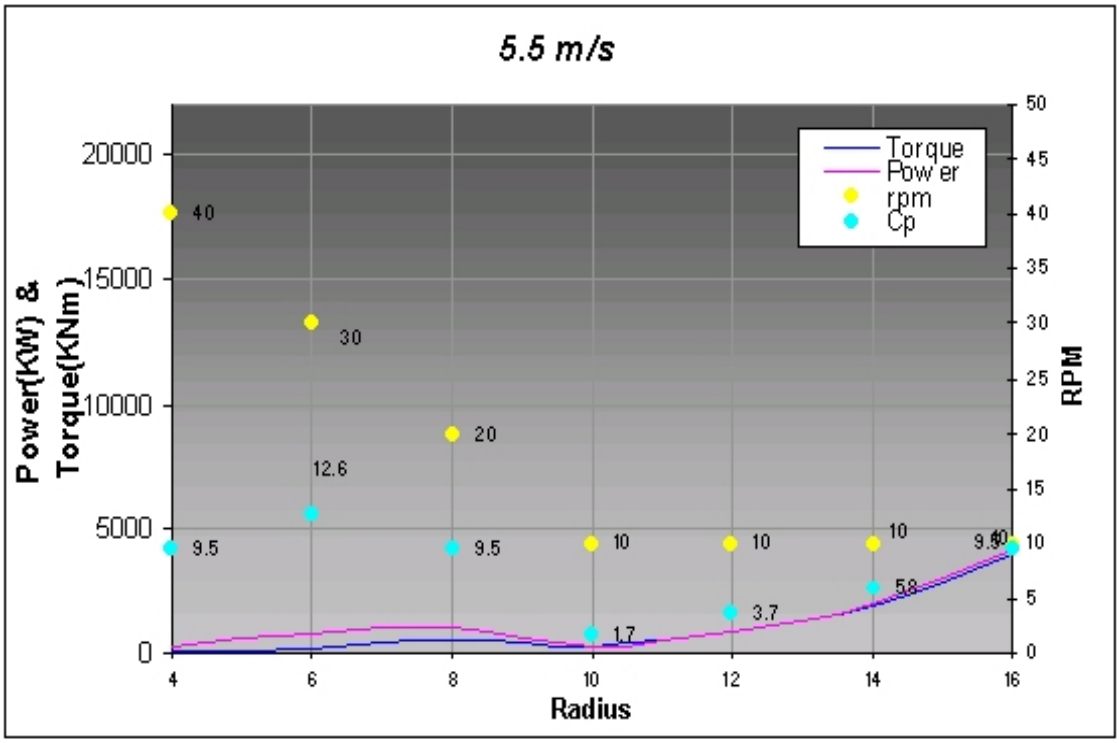

3.0 m/s
Torque
Power
rpm
Cp
Power(KW) & Torque(KNm)
RPM
Radius
40
30
26.4
23.6
23.6
20
13.0
10
17.0
10
20.5
10
23.6
10


3.5 m/s
Torque
Power
rpm
Cp
Power(KW) & Torque(KNm)
RPM
Radius
40
30
22.7
20.0
20.1
10
8.9
10
13.6
10
17.0
10
20.1


4.0 m/s
Power(KW) & Torque(KNm)
RPM
Radius
Torque
Pow'er
rpm
Cp
40
30
20
10
10
10
17.0
19.7
17.0
5.5
10.6
14.1
17.0


4.5 m/s
Power(KW) & Torque(KNm)
RPM
Radius
Torque
Pow'er
rpm
Cp
40
30
20
10
10
10
14.4
17.0
14.4
3.9
6.8
11.6
14.4


5 m/s
Power(KW) & Torque(KNm)
RPM
Radius
Torque
Power
rpm
Cp
40
30
20
14.7
12.2
12.2
10
10
10
12.2
10
8.1
4.9
2.6


5.5 m/s
Power(KW) & Torque(KNm)
RPM
Radius
Torque
Power
rpm
Cp
40
30
20
12.6
9.5
9.5
10
10
10
9.9
10
5.8
3.7
1.7