

PT-Skiff performance Analysis

25 hp E-TEC, 20" shaft

Cavitation plate 12mm below keel

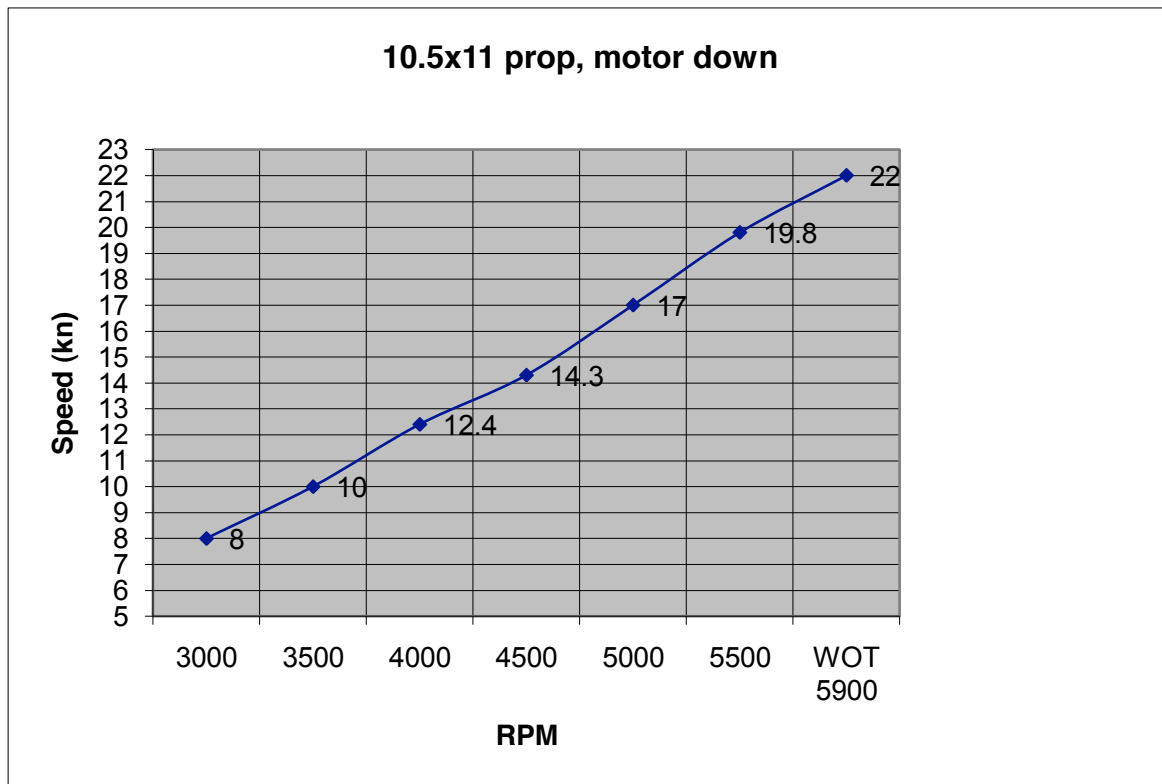
Motor trimmed 2 deg down

390 lbs of crew split evenly between driver seat and middle console, 6 gal. of gas under console

10-12 kn of wind, slight chop, 1 upwind, 1 downwind run averaged for each RPM data point

A 10.5"x11" Propeller

RPM	Speed (kn)	speed calculated from %change with Motor up (from C)
3000	8	8.1
3500	10	10.2
4000	12.4	12.8
4500	14.3	15.0
5000	17	18.2
5500	19.8	21.1
WOT 5900	22	23.5



25 hp E-TEC, 20" shaft

Cavitation plate 12mm below keel

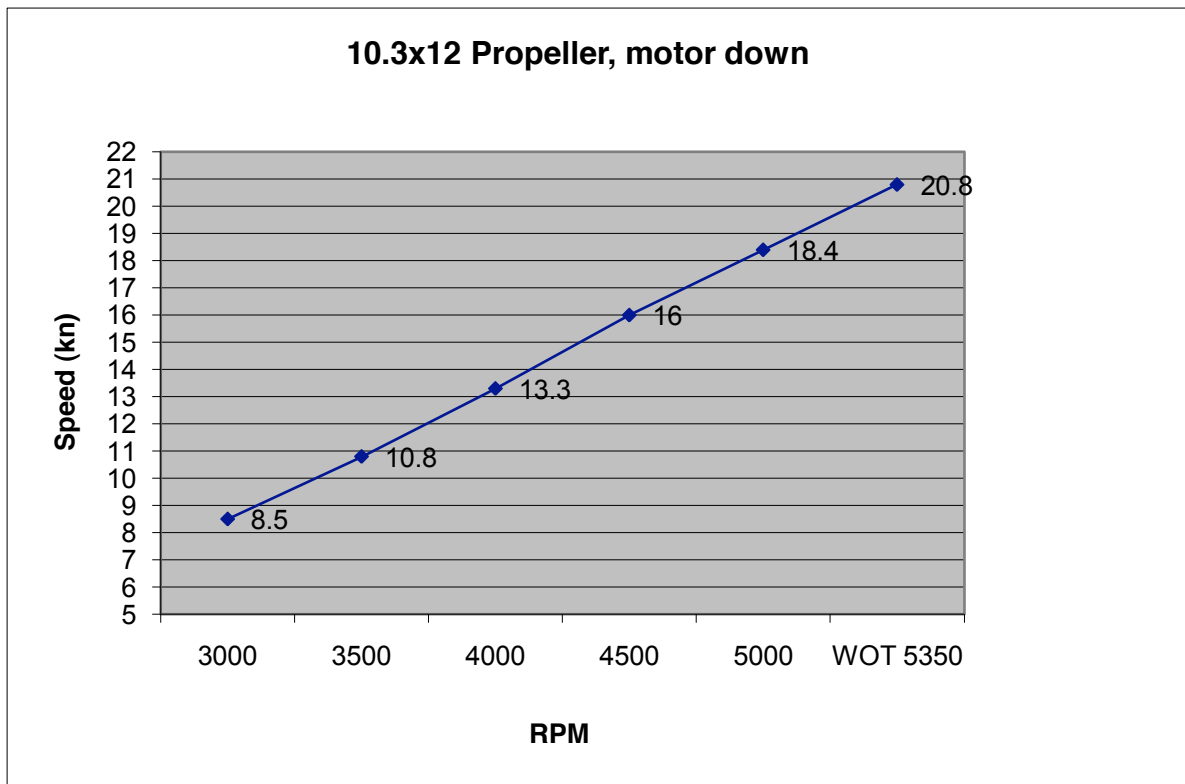
Motor trimmed 2 deg down

390 lbs of crew split evenly between driver seat and middle console, 6 gal. of gas under console

10-12 kn of wind, slight chop, 1 upwind, 1 downwind run averaged for each RPM data point

B 10.3"x12" Propeller

RPM	Speed (kn)
3000	8.5
3500	10.8
4000	13.3
4500	16
5000	18.4
WOT 5350	20.8



25 hp E-TEC, 20" shaft

Cavitation plate 8 mm above keel

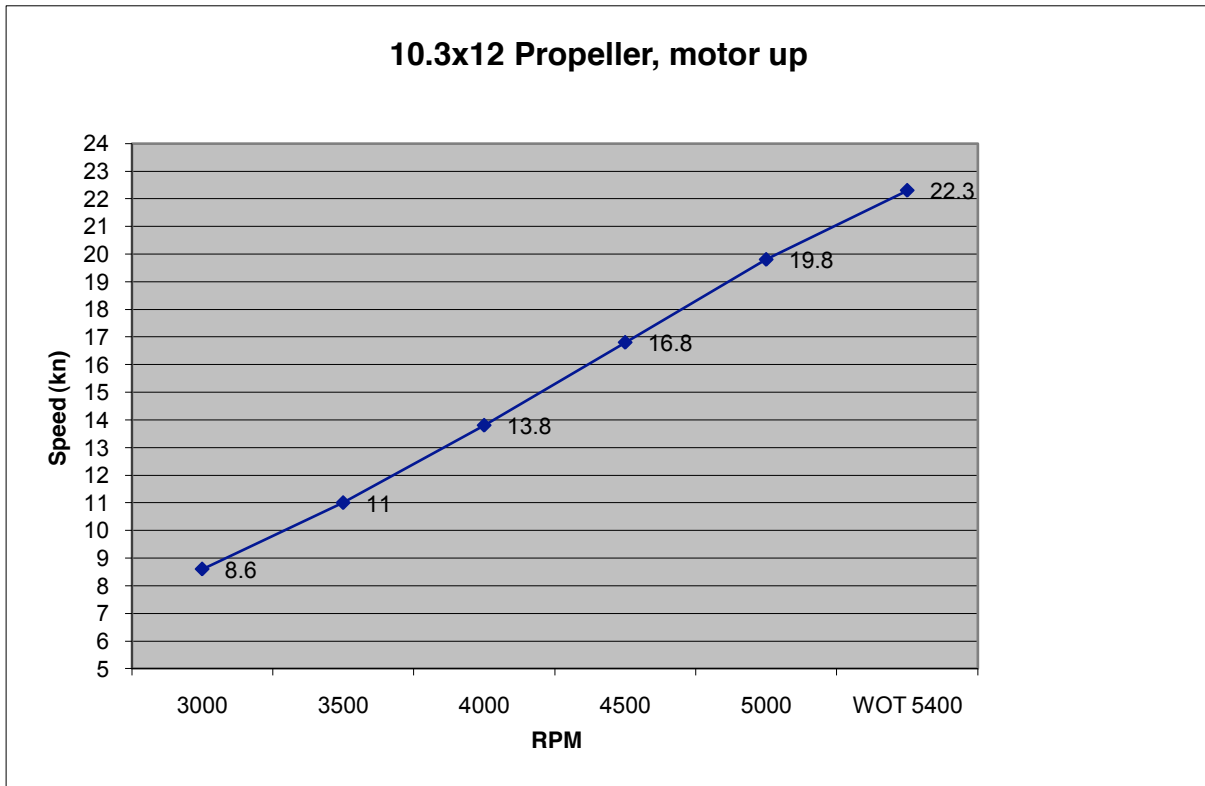
Motor trimmed 2 deg down

390 lbs of crew split evenly between driver seat and middle console, 5 gal. of gas under console

10-12 kn of wind, slight chop, 1 upwind, 1 downwind run averaged for each RPM data point

C 10.3"x12" Propeller

RPM	Speed (kn)	%Change to B
3000	8.6	1.16%
3500	11	1.82%
4000	13.8	3.62%
4500	16.8	4.76%
5000	19.8	7.07%
WOT 5400	22.3	6.73%



Water balast in

25 hp E-TEC, 20" shaft

Cavitation plate 8mm above keel

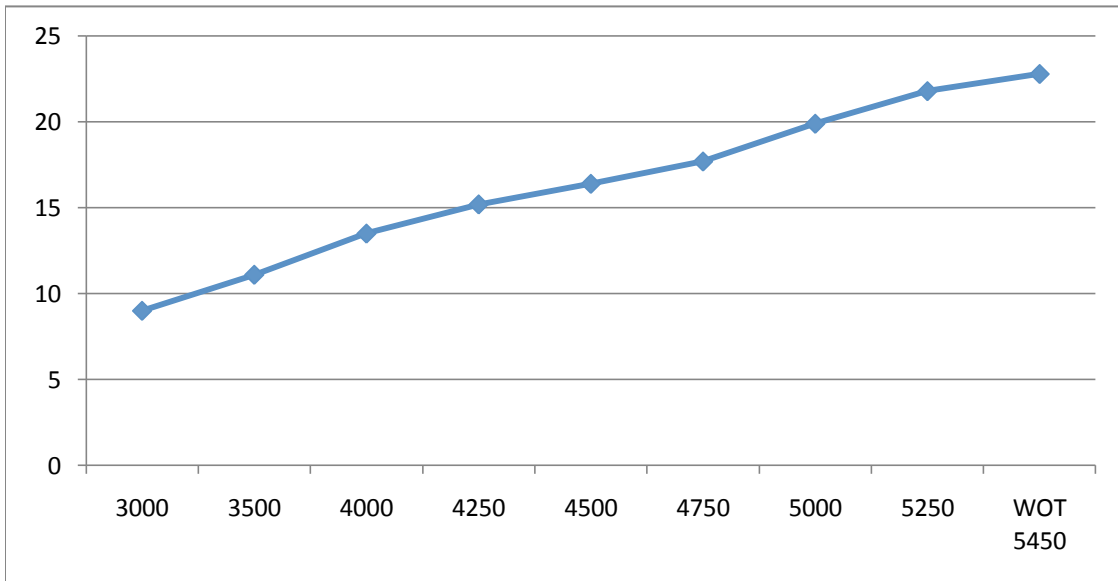
Motor trimmed 2 deg down

190 lbs of crew at driver seat, 5 gal. of gas under console

10 kn of wind, slight chop, 1 upwind, 1 downwind run averaged for each RPM data point

D 10.3"x12" Propeller

RPM	Speed (kn)	MPH
3000	9	10.35
3500	11.1	12.77
4000	13.5	15.53
4250	15.2	17.48
4500	16.4	18.86
4750	17.7	20.36
5000	19.9	22.89
5250	21.8	25.07
WOT 5450	22.8	26.22



Water balast out

25 hp E-TEC, 20" shaft

Cavitation plate 8 mm above keel

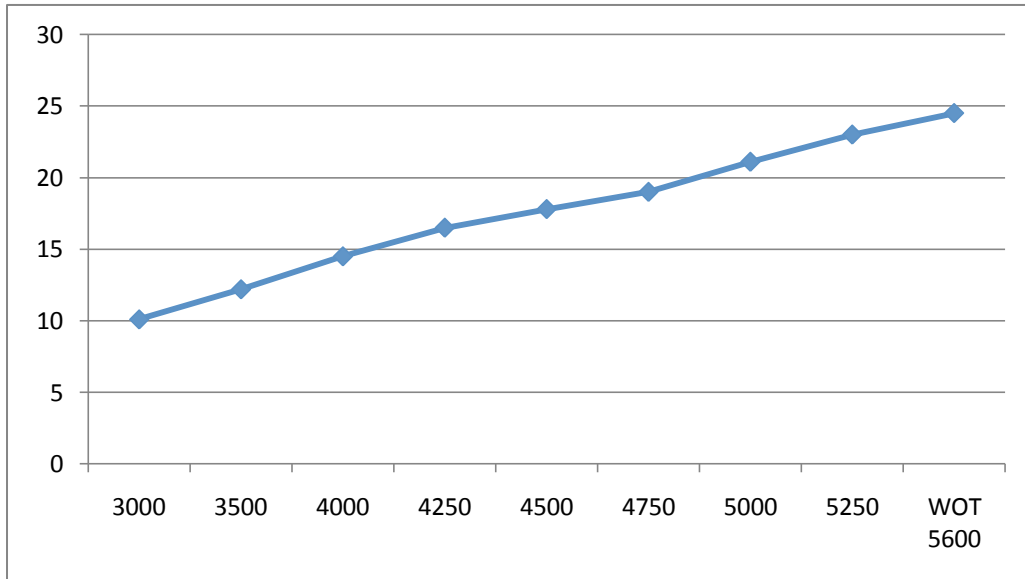
Motor trimmed 2 deg down

190 lbs of crew at driver seat, 5 gal. of gas under console

10 kn of wind, slight chop, 1 upwind, 1 downwind run averaged for each RPM data point

E 10.3"x12" Propeller

RPM	Speed (kn)	MPH	%Change to water balast in
3000	10.1	11.62	10.89%
3500	12.2	14.03	9.02%
4000	14.5	16.68	6.90%
4250	16.5	18.98	7.88%
4500	17.8	20.47	7.87%
4750	19	21.85	6.84%
5000	21.1	24.27	5.69%
5250	23	26.45	5.22%
WOT 5600	24.5	28.18	6.94%



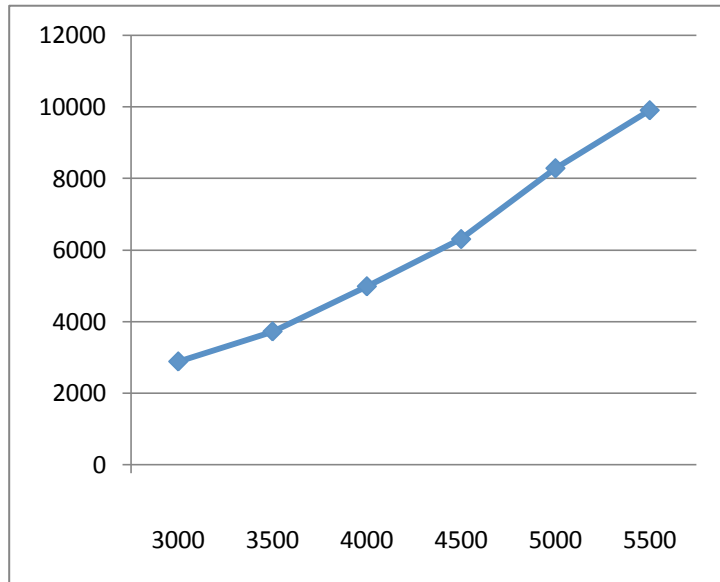
Fuel consumption data

RPM	SPEED (kn)	FUEL 10 MIN (ML)	FUEL 1 HR (ML)	Gal/hr	Mileage
3000	10.1	450	2700	0.719	14.043
3500	12.2	585	3510	0.935	13.048
4000	14.5	760	4560	1.215	11.937
4500	17.8	990	5940	1.582	11.249
5000	21.1	1310	7860	2.094	10.078
5500	24.5	1600	9600	2.557	9.581

Fuel used per RPM/hr

RPM	FUEL USED IN 1 HR (ML)
3000	2880
3500	3720
4000	4980
4500	6300
5000	8280
5500	9900

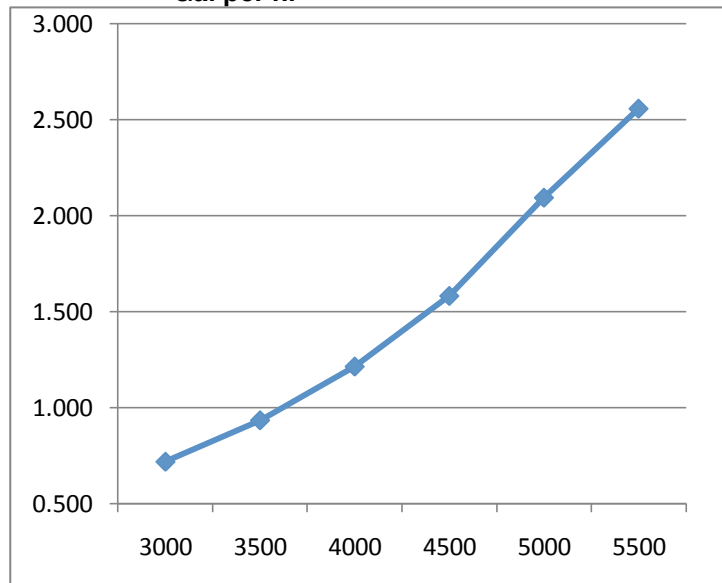
Fuel used per RPM



Gal per hr

RPM	Gal/hr
3000	0.719
3500	0.935
4000	1.215
4500	1.582
5000	2.094
5500	2.557

Gal per hr



Mileage/RPM

RPM	Mileage
3000	14.043
3500	13.048
4000	11.937
4500	11.249
5000	10.078
5500	9.581

Mileage/RPM

