

7/11	05-24-01	Carver Boat Corp.	Model	570 Voyager
Test Date	4.67	274P	480	353
Beam, m.	Engines	Computer	HP	KV
			ZF IRM 301A	2.55:1
			Ratio	

M	Up				Down				Average				Trim / remarks
	MPH	GPH	RPM	MPH	GPH	RPM	MPH	GPH	RPM	MPH	GPH	GPM	
2683		26.05	2690		26.05	2677		27.95	52.1	1.86			
2659		27.6	2675		28.3	2677		26.05	26.77	27.95	52.1	1.86	
2600		23.95	2600		23.95	2600		23.95	23.95	26.75	47.9	1.79	
2600		26.5	2600		27	2600		23.95	26.00	26.75	47.9	1.79	
2400		19.2	2400		19.2	2400		19.2	19.2	23.4	38.4	1.64	
2400		23.1	2400		23.7	2400		19.2	24.00	23.4	38.4	1.64	
2200		15.2	2200		15.2	2200		15.2	22.00	20.4	30.4	1.49	
2200		20.3	2200		20.5	2200		15.2	22.00	20.4	30.4	1.49	
2000		16.4	2000		17	2000		12.05	20.00	16.7	24.1	1.44	
800		9.25	1800		9.25	1800		9.25	18.00	14.05	18.5	1.32	
800		14	1800		14.1	1800		9.25	18.00	14.05	18.5	1.32	
600		6.85	1600		6.85	1600		6.85	16.00	12.25	13.7	1.12	
600		12	1600		12.5	1600		6.85	16.00	12.25	13.7	1.12	
400		5.1	1400		5.1	1400		5.1	14.00	11.05	10.2	0.92	
400		11	1400		11.1	1400		5.1	14.00	11.05	10.2	0.92	

action time Idle to Knots (Sec.)

Test Condition

Up	Down	Average	Displacement when tested excl crew	58730 lbs	Rev. counter checked (Y/N)	
			Weight checked: Scale/Estimated (S/E)		Throttle opening checked (Y/N)	
			Crew	3	X - measurement	
			Prop. type	Teignbridge	Transom angle	
			Speed checked by	GPS	Air temp.	
				x	Barometric pressure	
			Full load measurements			
			Engine room temp. Front	SB	92F	Wind
			Engine room temp. Top	SB	90F	
			Engine inlet temp.	SB	96F	Name
			Exhaust temp.	SB	94F	
			Exhaust back pressure	SB	100 mb	
				P		

Time to Plane: 9.0 seconds; Planes @ 1785 RPM, 13.8 MPH; Cruises @ 2400 RPM, 23.4 MPH; WOT Trim: 2676 RPM, 27.95 MPH
 ss not in clamps on engine. New boat. 3 Hrs. total time, No Gear, No Canvas.