

Model	450 Voyager
Test Date	3-30-99
Boat Manufacturer	Carver Boat Corp.
Beam (ft)	14' 11"
Engine	2x74p EDC
Output (hp)	480
KV	353
Gears	ZF 280
Ratio	2:01

M	Up			Down			Average			Trim / remarks
	MPH	GPH	RPM	MPH	GPH	RPM	MPH	GPH	GPM	
1200	4.7	4.7	1200	4.7	4.7	1200	10.1	9.4	0.98	2
1200	11	4.7	1200	9.2	4.7	1200	10.1	9.4	0.98	
1400	6.3	6.3	1400	6.3	6.3	1400	11	12.6	1.15	4
1400	12	6.3	1400	10	6.3	1400	11	12.6	1.15	
1600	9.2	9.2	1600	9.2	9.2	1600	11.85	18.4	1.55	5
1600	13.2	9.2	1600	10.5	9.2	1600	11.85	18.4	1.55	
1800	12.4	12.4	1800	12.4	12.4	1800	15.65	24.8	1.58	6
1800	16	12.4	1800	15.3	12.4	1800	15.65	24.8	1.58	
2000	15	15	2000	15	15	2000	20.4	30	1.47	6.5
2000	21	15	2000	19.8	15	2000	20.4	30	1.47	
2200	18.2	18.2	2200	18.2	18.2	2200	23.25	36.4	1.57	5
2200	24.5	18.2	2200	22	18.2	2200	23.25	36.4	1.57	
2400	21.4	21.4	2400	21.4	21.4	2400	27.15	42.8	1.58	5
2400	28	21.4	2400	26.3	21.4	2400	27.15	42.8	1.58	
2600	27.2	27.2	2600	27.2	27.2	2600	30.3	54.4	1.80	4.5
2600	31	27.2	2600	29.6	27.2	2600	30.3	54.4	1.80	

**Station time Idle to Knots (Sec.)**

**Test Condition**

Up	Down	Average	Displacement when tested excl crew	35000lbs	Rev counter checked (Y/N)	Y
			Weight checked: Scale/Estimated (S/E)	E	Throttle opening checked (Y/N)	Y
			Crew	3	X - measurement	
			Fuel	3964lbs	Transom angle	41
			Prop. type	28-27DQ 2 1/4	Air temp	30
			Speed checked by	GPS	Barometric pressure	
					RADAR	
			<b>Full load measurements</b>			
			Engine room temp	Front	SB	Water temp
			Engine room temp	Top	SB	Sea
			Engine inlet temp		SB	Salt water (Y/N)
			Exhaust temp		SB	Name
			Exhaust back pressure		SB	

List Std 1/2" 13.5 KW Kohler - Bow Thruster - No Birmini or Canvas.  
 @ 1726RPM 14MPH. Cruises @ 2400 RPM 27 1MPH. Time to Plane: 8sec.