



ENGINE:
Single 50 hp EFI FourStroke

BOAT:
Alumacraft - Classic 165 CS

PROP:
Vengeance®



TEST CONDITIONS

Test Date	2008-09-09
Test Conductor	R. Senger
Elevation	700 ft
Air Temperature	68 °F
Wind Velocity	5 - 10 MPH 4 - 9 kts
Water Type	Fresh
Fuel Level at Testing	20 gallons
Boat Weight as Tested	912 lbs

PROPELLER SPECIFICATIONS

Part Number	855858A46
Mercury Name	Vengeance®
Material	Stainless Steel
Diameter / Pitch	10.5 / 13.0
Number of Blades	3

ENGINE SPECIFICATIONS

Number of Engines	Single
Engine	50 hp EFI FourStroke
HP / kW	50 / 37
Engine type	Inline 4
Gearcase ratio	1.83:1

BOAT SPECIFICATIONS

Manufacturer	Alumacraft
Website	http://www.alumacraft.com/
Boat Model	Classic 165 CS
Boat Type	Aluminum - console
Material	Aluminum
Length	16 ft 4 in
Beam	6 ft 10 in
Max HP Capacity	75
Fuel Tank Capacity	19.0 gallons
Steering Type	Mechanical
Dry Boat Weight	895 pounds
Mounting Bolt Hole	2



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PERFORMANCE SUMMARY

Top Speed (MPH@RPM)	35.5 @ 5900
Acceleration 0 - 20 MPH (seconds)	8.15

RPM Range	Speed (MPH)	Fuel (GPH)	Fuel (MPG)	Range (miles)	Sound (dBA)
1000	3.2	0.3	10.7	-	-
2000	6.2	0.6	10.3	-	-
3000	9.9	1.3	7.6	-	-
4000	22.3	2.2	10.1	-	-
5000	29.7	3.2	9.3	-	-
5900	35.5	4.4	8.1	-	-

PERFORMANCE CURVE

