



ENGINE:
Single 40 hp EFI FourStroke

BOAT:
Alumacraft - Escape 165CS

PROP:
SpitFire®



TEST CONDITIONS

Test Date	2013-05-23
Test Conductor	MS/BV
Elevation	969 ft
Air Temperature	65 °F
Wind Velocity	0 - 5 MPH 0 - 4 kts
Water Type	Fresh
Fuel Level at Testing	6 gallons
Boat Weight as Tested	696 lbs

ENGINE SPECIFICATIONS

Number of Engines	Single
Engine	40 hp EFI FourStroke
HP / kW	40 / 30
Engine type	Inline 3
Gearcase ratio	2.00:1

BOAT SPECIFICATIONS

Manufacturer	Alumacraft
Website	http://www.alumacraft.com/
Boat Model	Escape 165CS
Boat Type	Aluminum - console
Material	Aluminum
Length	16 ft 6 in
Beam	6 ft 4 in
Max HP Capacity	50
Steering Type	Mechanical
Dry Boat Weight	696 pounds
Mounting Bolt Hole	2

PROPELLER SPECIFICATIONS

Part Number	8M8026630
Mercury Name	SpitFire®
Material	Mercalloy
Diameter / Pitch	10.3 / 13.0
Number of Blades	4



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PERFORMANCE SUMMARY

Best Fuel Economy (MPG@RPM)	10.7 @ 3500
Top Speed (MPH@RPM)	31.2 @ 6000
Acceleration 0 - 20 MPH (seconds)	5.6

RPM Range	Speed (MPH)	Fuel (GPH)	Fuel (MPG)	Range (miles)	Sound (dBA)
1000	3.0	0.2	15.0	-	-
2000	5.4	0.4	13.5	-	-
3000	8.7	1.0	8.7	-	-
3500	15.0	1.4	10.7	-	-
4000	19.6	1.7	11.5	-	-
4500	22.2	1.9	11.7	-	-
5000	24.8	2.6	9.5	-	-
5500	28.2	3.1	9.1	-	-
6000	31.2	3.8	8.2	-	-

PERFORMANCE CURVE

