

**A FACTUAL REPORT FROM MERCURY MARINE**  
**Boat House Bulletin Review**

**ENGINE:**  
**60 hp EFI FourStroke**

**BOAT:**  
**Crestliner - 1650 Discovery**

**PROP:**  
**SpitFire®**

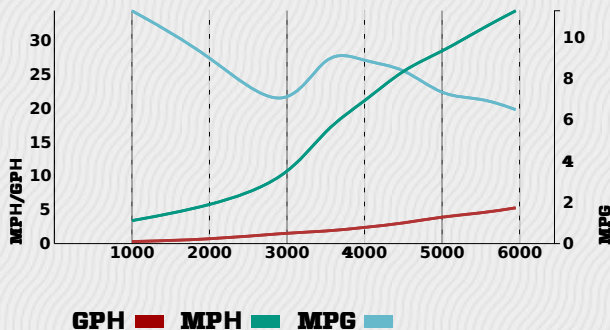


**PERFORMANCE SUMMARY**

Best Fuel Economy (MPG@RPM)	<b>9.6 @ 17</b>
Top Speed (MPH@RPM)	<b>35.5 @ 5950</b>
Acceleration 0 - 20 MPH (seconds)	<b>5.5</b>
Acceleration 0 - 30 MPH (seconds)	<b>9.5</b>

RPM Range	Speed (MPH / kts)	Fuel (GPH)	Fuel (MPG)
1000	3.4 / 3.0	0.3	11.3
2000	5.5 / 4.8	0.6	9.2
3000	9.4 / 8.2	1.6	5.9
3500	17.2 / 14.9	1.8	9.6
4000	21.0 / 18.2	2.4	8.8
4500	25.9 / 22.5	3.0	8.6
5000	28.4 / 24.7	4.0	7.1
5500	31.8 / 27.6	4.5	7.1
5950	34.5 / 30.0	5.3	6.5

**PERFORMANCE CURVE**



**TEST CONDITIONS**

Test Date	<b>2015-06-08</b>
Test Conductor	<b>JN / KB</b>
Elevation	<b>1311 ft</b>
Air Temperature	<b>80 °F</b>
Wind Velocity	<b>10 MPH 9 kts</b>
Water Type	<b>Fresh</b>

**ENGINE SPECIFICATIONS**

Engine	<b>60 hp EFI FourStroke</b>
HP / kW	<b>60 / 45</b>
Engine type	<b>Inline 4</b>
Gearcase ratio	<b>1.83:1</b>

**BOAT SPECIFICATIONS**

Manufacturer	<b>Crestliner</b>
Website	<b><a href="http://www.crestliner.com/">http://www.crestliner.com/</a></b>
Boat Model	<b>1650 Discovery</b>
Boat Type	<b>Vee</b>
Material	<b>Aluminum</b>
Length	<b>16 ft 6 in</b>
Beam	<b>6 ft 3.5 in</b>
Max HP Capacity	<b>60</b>
Steering Type	<b>NFB Single Cable</b>
Dry Boat Weight	<b>874 pounds</b>
Mounting Bolt Hole	<b>2</b>

**PROPELLER SPECIFICATIONS**

Part Number	<b>8M8026635</b>
Mercury Name	<b>SpitFire®</b>
Pitch	<b>14.0</b>

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**ENGINE:**  
**Single 50 hp EFI FourStroke**

**BOAT:**  
**Crestliner - 1650 Discovery**

**PROP:**  
**SpitFire®**



**TEST CONDITIONS**

Test Date	2017-06-13
Test Conductor	JN / KB
Elevation	1257 ft
Sea State	Slight
Air Temperature	70 °F
Wind Velocity	5 - 10 MPH 4 - 9 kts
Water Type	Fresh
Fuel Level at Testing	3 gallons
Boat Weight as Tested	1146 lbs

**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	Crestliner
Website	<a href="http://www.crestliner.com/">http://www.crestliner.com/</a>
Boat Model	1650 Discovery
Boat Type	Aluminum - console
Material	Aluminum
Length	16 ft 6 in
Beam	6 ft 3.5 in
Max HP Capacity	60
Steering Type	Cable
Dry Boat Weight	874 pounds
Mounting Bolt Hole	2

**PROPELLER SPECIFICATIONS**

Part Number	8M8026625
Mercury Name	SpitFire®
Material	Mercalloy
Diameter / Pitch	10.6 / 12.0
Number of Blades	4



**ENGINE:**  
**Single 50 hp EFI FourStroke**

**BOAT:**  
**Crestliner - 1650 Discovery**

**PROP:**  
**SpitFire®**



**PERFORMANCE SUMMARY**

Best Fuel Economy (MPG@RPM)	<b>8.4 @ 4000</b>
Top Speed (MPH@RPM)	<b>30.5 @ 5975</b>
Acceleration 0 - 20 MPH (seconds)	<b>6.0</b>

RPM Range	Speed (MPH)	Fuel (GPH)	Fuel (MPG)	Range (miles)	Sound (dBA)
1000	3.7	0.3	12.3	-	-
2000	6.1	0.6	10.2	-	-
3000	8.2	1.3	6.3	-	-
3500	13.0	1.6	8.1	-	-
4000	18.5	2.2	8.4	-	-
4500	21.0	2.8	7.5	-	-
5000	24.4	3.2	7.6	-	-
5500	28.0	3.9	7.2	-	-
5975	30.5	4.7	6.5	-	-
6000	0.0	0.0	0.0	-	-

**PERFORMANCE CURVE**

