

A FACTUAL REPORT FROM MERCURY MARINE
Boat House Bulletin Review

ENGINE:
60 hp EFI FourStroke

BOAT:
Crestliner - 1650 Discovery

PROP:
SpitFire®

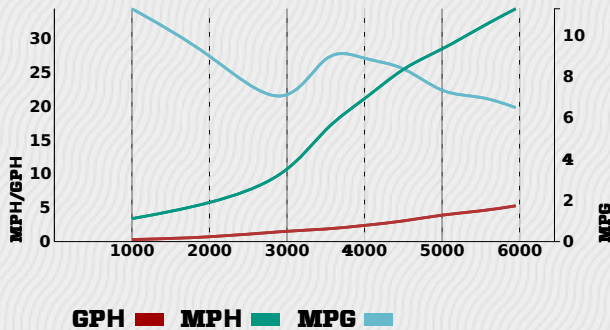


PERFORMANCE SUMMARY

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

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

ENGINE SPECIFICATIONS

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

BOAT SPECIFICATIONS

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

PROPELLER SPECIFICATIONS

Part Number	8M8026635
Mercury Name	SpitFire®
Pitch	14.0

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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	http://www.crestliner.com/
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)	8.4 @ 4000
Top Speed (MPH@RPM)	30.5 @ 5975
Acceleration 0 - 20 MPH (seconds)	6.0

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

