

A FACTUAL REPORT FROM MERCURY MARINE
Boat House Bulletin Review

ENGINE:
115 hp FourStroke

BOAT:
Crestliner - 1650 Super Hawk

PROP:
SpitFire®

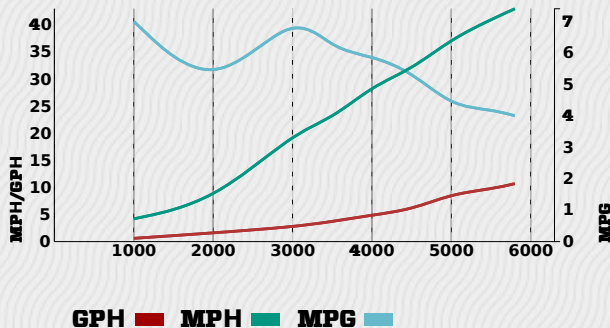


PERFORMANCE SUMMARY

Best Fuel Economy (MPG@RPM)	7.4 @ 3000
Top Speed (MPH@RPM)	43.0 @ 5800
Acceleration 0 - 20 MPH (seconds)	4.9
Acceleration 0 - 30 MPH (seconds)	6.9

RPM Range	Speed (MPH / kts)	Fuel (GPH)	Fuel (MPG)
1000	4.2 / 3.6	0.6	7.0
2000	7.3 / 6.3	1.6	4.6
3000	20.0 / 17.4	2.7	7.4
3500	22.7 / 19.7	3.7	6.1
4000	28.7 / 24.9	4.9	5.9
4500	31.8 / 27.6	5.9	5.4
5000	37.4 / 32.5	8.8	4.3
5500	41.0 / 35.6	9.7	4.2
5800	43.0 / 37.4	10.7	4.0

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	115 hp FourStroke
HP / kW	115 / 84.6
Engine type	Inline 4
Gearcase ratio	2.07:1

BOAT SPECIFICATIONS

Manufacturer	Crestliner
Website	http://www.crestliner.com/
Boat Model	1650 Super Hawk
Boat Type	Aluminum - console
Material	Aluminum
Length	16 ft 9 in
Beam	7 ft 2.5 in
Max HP Capacity	115
Fuel Tank Capacity	20.0 gallons
Steering Type	NFB Single Cable
Dry Boat Weight	1230 pounds
Mounting Bolt Hole	1

PROPELLER SPECIFICATIONS

Part Number	8M8026590
Mercury Name	SpitFire®
Pitch	17.0

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ENGINE:
Single 115 hp Pro XS®

BOAT:
Crestliner - 1650 Super Hawk

PROP:
SpitFire®



TEST CONDITIONS

Test Date	2016-06-13
Test Conductor	JN / KB
Elevation	1330 ft
Sea State	Slight
Air Temperature	75 °F
Wind Velocity	5 - 10 MPH 4 - 9 kts
Water Type	Fresh
Fuel Level at Testing	20 gallons
Boat Weight as Tested	1615 lbs

ENGINE SPECIFICATIONS

Number of Engines	Single
Engine	115 hp Pro XS®
HP / kW	115 / 86
Engine type	8-valve single overhead cam (SOHC) Inline 4
Gearcase ratio	2.07:1

BOAT SPECIFICATIONS

Manufacturer	Crestliner
Website	http://www.crestliner.com/
Boat Model	1650 Super Hawk
Boat Type	Aluminum - console
Material	Aluminum
Length	16 ft 9 in
Beam	7 ft 2.5 in
Max HP Capacity	115
Fuel Tank Capacity	20.0 gallons
Steering Type	Cable
Dry Boat Weight	1230 pounds
Mounting Bolt Hole	1

PROPELLER SPECIFICATIONS

Part Number	8M8026580
Mercury Name	SpitFire®
Material	Mercalloy
Diameter / Pitch	13.4 / 15.0
Number of Blades	4



ENGINE:
Single 115 hp Pro XS®

BOAT:
Crestliner - 1650 Super Hawk

PROP:
SpitFire®



PERFORMANCE SUMMARY

Best Fuel Economy (MPG@RPM)	7.1 @ 3500
Top Speed (MPH@RPM)	40.6 @ 6300
Acceleration 0 - 20 MPH (seconds)	3.9
Acceleration 0 - 30 MPH (seconds)	6.3

RPM Range	Speed (MPH)	Fuel (GPH)	Fuel (MPG)	Range (miles)	Sound (dBA)
1000	3.9	0.5	7.8	-	-
2000	7.0	1.4	5.0	-	-
3000	15.6	2.5	6.2	-	-
3500	21.3	3.0	7.1	-	-
4000	25.6	4.3	6.0	-	-
4500	28.7	5.4	5.3	-	-
5000	32.6	6.3	5.2	-	-
5500	35.5	7.4	4.8	-	-
6000	39.2	9.8	4.0	-	-
6300	40.6	11.7	3.5	-	-

PERFORMANCE CURVE

