

# Yamaha Performance Bulletin

YPB#: PB\_ALM\_Classic165CS\_F40LA\_10-2-09\_ALM

Test Date: 10/2/09



## Alumacraft Classic 165 CS

|                                  |            |
|----------------------------------|------------|
| Length                           | 16' 5"     |
| Beam                             | 6' 10"     |
| Dry Weight (Boat Mfr. Published) | 895 lbs.   |
| Maximum HP                       | 75 hp      |
| Fuel Capacity                    | 20 gals.   |
| Weight as Tested (Approximate)   | 1,673 lbs. |

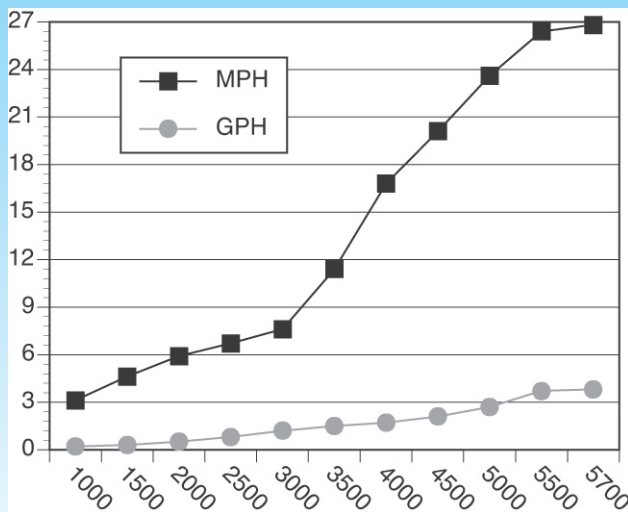


Boat Manufactured By:  
Alumacraft • 315 Saint Julien Street • Saint Peter, MN 56082  
(507) 931-1050 • www.alumacraft.com

## Performance Data

| RPM         | MPH         | GPH        | MPG         |
|-------------|-------------|------------|-------------|
| 1000        | 3.1         | 0.2        | 15.50       |
| 1500        | 4.6         | 0.3        | 15.33       |
| 2000        | 5.9         | 0.5        | 11.80       |
| 2500        | 6.7         | 0.8        | 8.38        |
| 3000        | 7.6         | 1.2        | 6.33        |
| 3500        | 11.4        | 1.5        | 7.60        |
| <b>4000</b> | <b>16.8</b> | <b>1.7</b> | <b>9.88</b> |
| 4500        | 20.1        | 2.1        | 9.57        |
| 5000        | 23.6        | 2.7        | 8.74        |
| 5500        | 26.4        | 3.7        | 7.14        |
| <b>5700</b> | <b>26.8</b> | <b>3.8</b> | <b>7.05</b> |

Seconds 0-20 MPH 9.19



Test performed and verified by Yamaha Application Engineers.

### For More Information:

Yamaha Motor Corp., USA • OEM Division, Marine Group  
1270 Chastain Road NW • Kennesaw, GA 30144 • (800) 88-YAMAHA  
For other Performance Bulletins, visit [www.yamaha-motor.com](http://www.yamaha-motor.com).

## Yamaha F40LA

|                            |              |
|----------------------------|--------------|
| Horsepower                 | 40           |
| Displacement               | 45.6 cu. in. |
| Weight (Catalog Published) | 216 lbs.     |
| Gear Ratio                 | 2.00         |

## Engine Mounting Height

|                               |                   |
|-------------------------------|-------------------|
| Mounting Hole Position        | #2                |
| Anti-Ventilation Plate Height | 3/4" Below Bottom |

## Propeller

|                    |                 |
|--------------------|-----------------|
| Series             | Aluminum Series |
| Diameter/Pitch     | 11-5/8 x 11     |
| Yamaha Part #      | 69W-45947-00-EL |
| Propeller Material | Aluminum        |

## Test Conditions

|                                      |           |
|--------------------------------------|-----------|
| Number of People                     | 2         |
| Air / Water Temperature (Fahrenheit) | 51° / 53° |
| Elevation                            | 1,000'    |
| Wind Velocity                        | 5-10 MPH  |

**Comments:** Test weight includes 1/2 tank of fuel, one battery, safety and test equipment. Fuel consumption data gathered with Yamaha Command Link® fuel management system. Zero-to-20 speed data gathered with aftermarket speedometer. Other speed data gathered with GPS receiver.

**Notice to Consumer:** The information and data contained in this Performance Bulletin is approximate and subject to many different factors and variables. It is provided as a guideline only and should not be relied upon as representative of actual performance. Your boat's performance may be different than the information contained in this Performance Bulletin due to various factors, including your boat's actual weight, wind and water conditions, temperature, humidity, elevation, bottom paint, boat options affecting wind/water drag and/or boat weight, and operator ability. Please confirm the specifications and performance data on your specific boat/engine combination with your dealer prior to purchase. Please also keep in mind that the data contained in this Performance Bulletin may or may not have been performed using Yamaha PowerMatched components. Yamaha reserves the right to change the specifications and performance data of this Performance Bulletin or engine without notice.