

Performance Bulletin

YPB#: PB_ALM_Navigator165CS_F90TLRD_5-25-05_ALM

Test Date: 5/25/05



Note: Boat shown with optional out-board motor.

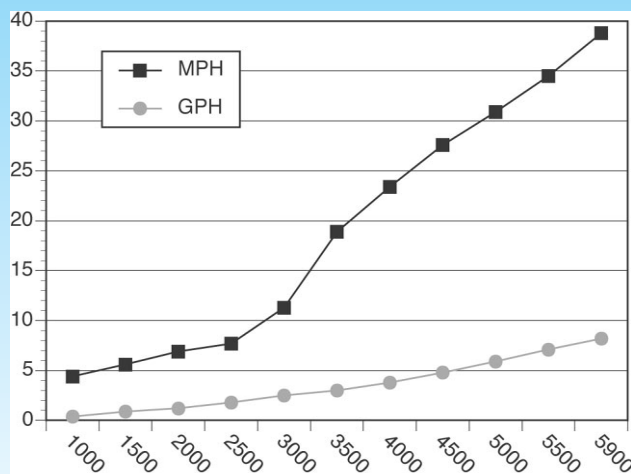


F90TLRD

Performance Data

RPM	MPH	GPH	MPG
1000	4.4	0.4	11.00
1500	5.6	0.9	6.22
2000	6.9	1.2	5.75
2500	7.7	1.8	4.28
3000	11.3	2.5	4.52
3500	18.9	3.0	6.30
4000	23.4	3.8	6.16
4500	27.6	4.8	5.75
5000	30.9	5.9	5.24
5500	34.5	7.1	4.86
5900	38.8	8.2	4.73

Seconds to Plane **4.28**



Test performed and certified by Yamaha Application Engineers.

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

Boat: Navigator 165 CS

Length	16' 7"
Beam	7' 6"
Dry Weight (published)	965 lbs.
Max HP	90
Fuel Capacity	23 gals.
Weight as Tested (approximate)	2,085 lbs.

Engine: F90TLRD

Horsepower	90
Fuel Induction	Electronic Fuel Injection
Displacement	97 cu. in.
Weight	369 lbs.
Gear Ratio	2.31
Mounting Height	#2
Propeller (Dia/Pitch)	13 x 19 Aluminum
Propeller Part #	6E5-45941-00-EL

Test Conditions:

Number of People	2
Air Temperature	61° F
Water Temperature	64° F
Elevation	700 ft.
Wind Velocity	5-10 MPH

Comments:

Test weight includes 14 gallons of fuel, one Group 24 battery, two Group 27 batteries, bow-mount trolling motor and safety and test equipment.

Note:

Data may vary due to changes in weather, elevation, options and equipment, load and boat bottom conditions. Fuel data gathered with Yamaha Fuel Management System. Speed data gathered with GPS receiver.

Outboard Manufactured By:

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.