

# Performance Bulletin

YPB#: 02-43-PLK-A

Test Date: 4-10-02



**90 TLRA**

**Boat: HP 180 PB**

Length:	18'
Beam:	85"
Weight:	1,246 lbs.
Max H.P.:	150
Fuel Capacity:	27 gals.
Weight As Tested:	2,085 lbs.

**Engine: 90TLRA**

Horsepower:	90
Displacement:	69.6 cu. in.
Weight:	261 lbs.
Gear Ratio:	2.0:1
Mounting Height:	#2
Propeller (Dia/Pitch):	13 1/4 x 17 Aluminum
Propeller Part #:	6E5-45945-01-EL

**Performance Data**

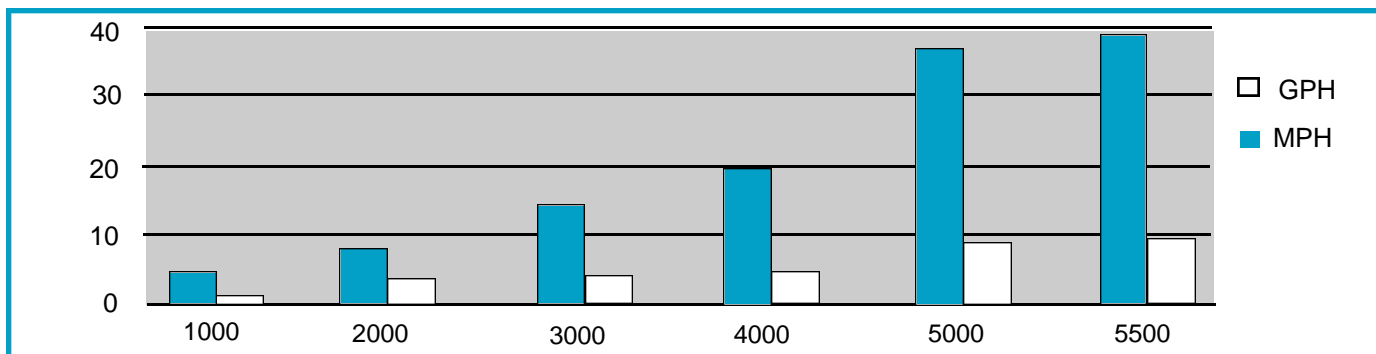
RPM	MPH	GPH	MPG	Db
1000	4.4	0.9	4.89	65
2000	7.7	3.3	2.33	72
3000	19.4	4.3	4.51	80
4000	28.1	6.3	4.46	86
5000	36.6	8.6	4.26	94
5500	38.9	9.2	4.23	97
Seconds to Plane:		4.65		

**Test Conditions**

No. of People:	2
Air Temp:	68°
Water Temp:	43°
Elevation:	610'
Wind Velocity:	5-10 MPH

**Comments:** Tested weight includes 11 gallons of gas, starting battery and gear bag.

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



Test performed and certified by Yamaha application engineers