

# 160 Sportsman



**160 SPORTSMAN** TEST DATE 9/15/08

Length	16'5"
Beam	85"
Dry Weight (Boat Only)	1,100 lbs
Maximum HP	90
Fuel Capacity	24
Weight as tested (Approximate)	1,683 lbs

Note: Test weight may include 1/2 tank of fuel, 1 battery, safety & test Equipment

**HONDA BF50**

Horsepower	50 HP
Displacement	808 CC
Dry Weight (Engine)	214 lbs
Gear Ratio	2.08:1
Mounting Height	#1

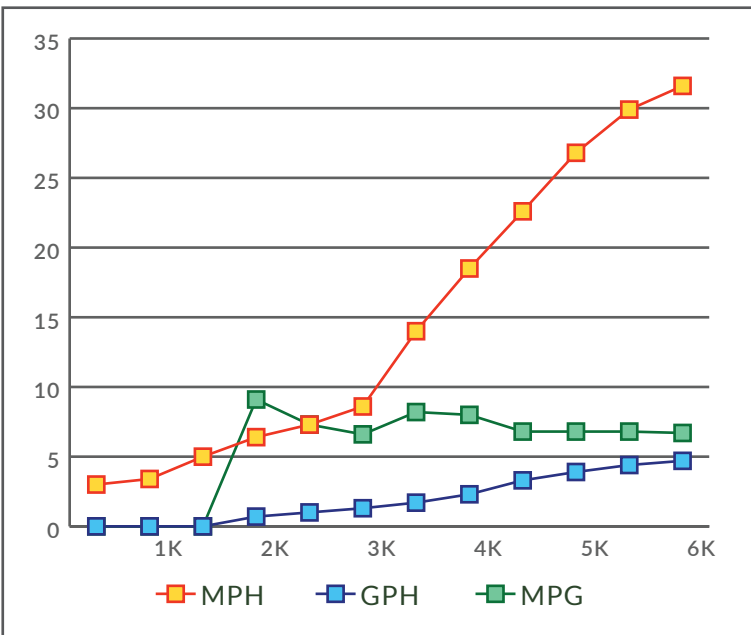
**PROPELLERS**

Material/Blades	SS/3
Series	Solas Series
Diameter/Pitch	11 1/8 x 13
Honda Part #	N/A

**TEST CONDITIONS**

Number of People	2
Air Temperature (Fahrenheit)	85 ° F
Elevation	1,290 ft.
Wind Velocity	0-5 mph

RPM	MPH	GPH	MPG
Idle	3.0	0.0	0.0
1000	3.4	0.0	0.0
1500	5.0	0.0	0.0
2000	6.4	0.7	9.1
2500	7.3	1.0	7.3
3000	8.6	1.3	6.6
3500	14.0	1.7	8.2
4000	18.5	2.3	8.0
4500	22.6	3.3	6.8
5000	26.8	3.9	6.8
5500	29.9	4.4	6.8
6000	31.6	4.7	6.7



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# 160 Sportsman



**160 SPORTSMAN** TEST DATE 7/15/08

Length	16'5"
Beam	85"
Dry Weight (Boat Only)	1,100 lbs
Maximum HP	90
Fuel Capacity	24
Weight as tested (Approximate)	1755 lbs

Note: Test weight may include 1/2 tank of fuel, 1 battery, safety & test Equipment

**HONDA BF75**

Horsepower	75 HP
Displacement	1.5 L
Dry Weight (Engine)	359 lbs
Gear Ratio	2.33:1
Mounting Height	#2

**PROPELLERS**

Material/Blades	Aluminum/3
Series	Solas Series
Diameter/Pitch	13 1/4 x 17
Honda Part #	N/A

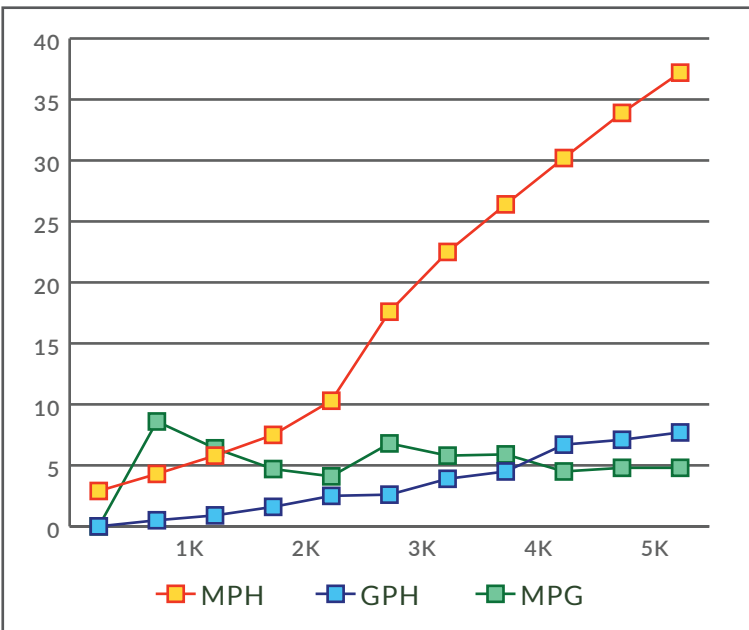
**TEST CONDITIONS**

Number of People	2
Air Temperature (Fahrenheit)	75 ° F
Elevation	1,290 ft.
Wind Velocity	0-5 mph

RPM	MPH	GPH	MPG
Idle	2.9	0.0	0.0
1000	4.3	0.5	8.6
1500	5.8	0.9	6.4
2000	7.5	1.6	4.7
2500	10.3	2.5	4.1
3000	17.6	2.6	6.8
3500	22.5	3.9	5.8
4000	26.4	4.5	5.9
4500	30.2	6.7	4.5
5000	33.9	7.1	4.8
5500	37.2	7.7	4.8



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# 180 Sportsman



**180 SPORTSMAN** TEST DATE 9/15/08

Length	18'5"
Beam	85"
Dry Weight (Boat Only)	1,200 lbs
Maximum HP	115
Fuel Capacity	24
Weight as tested (Approximate)	1,878 lbs

Note: Test weight may include 1/2 tank of fuel, 1 battery, safety & test Equipment

**HONDA BF90**

Horsepower	90 HP
Displacement	1.5 L
Dry Weight (Engine)	359 lbs
Gear Ratio	2.33:1
Mounting Height	#2

**PROPELLERS**

Material/Blades	Aluminum/3
Series	Solas Series
Diameter/Pitch	13 3/4 x 17
Honda Part #	N/A

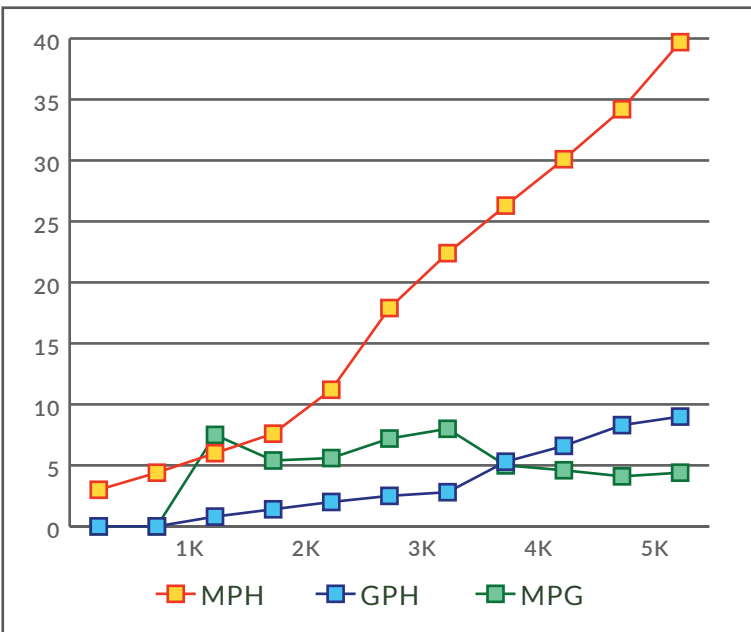
**TEST CONDITIONS**

Number of People	2
Air Temperature (Fahrenheit)	65 ° F
Elevation	1,290 ft.
Wind Velocity	0-5 mph

RPM	MPH	GPH	MPG
Idle	3.0	0.0	0.0
1000	4.4	0.0	0.0
1500	6.0	0.8	7.5
2000	7.6	1.4	5.4
2500	11.2	2.0	5.6
3000	17.9	2.5	7.2
3500	22.4	2.8	8.0
4000	26.3	5.3	5.0
4500	30.1	6.6	4.6
5000	34.2	8.3	4.1
5500	39.7	9.0	4.4



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# 180 Sportsman



## 180 SPORTSMAN

TEST DATE 7/15/08

Length	18'5"
Beam	85"
Dry Weight (Boat Only)	1,200 lbs
Maximum HP	115
Fuel Capacity	24
Weight as tested (Approximate)	2,059 lbs

Note: Test weight may include 1/2 tank of fuel, 1 battery, safety & test Equipment

## HONDA BF115

Horsepower	115 HP
Displacement	2.3 L
Dry Weight (Engine)	505 lbs
Gear Ratio	2.3:1
Mounting Height	#1

## PROPELLERS

Material/Blades	Aluminum/3
Series	Solas Series
Diameter/Pitch	13 1/2 x 15
Honda Part #	N/A

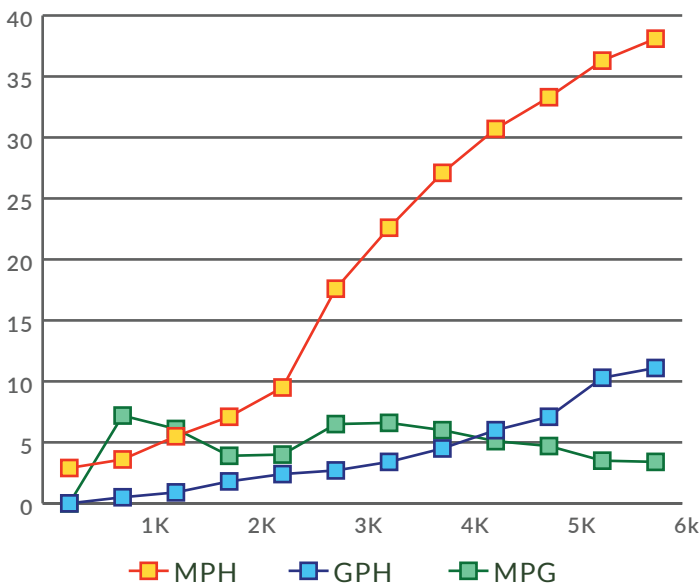
## TEST CONDITIONS

Number of People	2
Air Temperature (Fahrenheit)	75 ° F
Elevation	1,290 ft.
Wind Velocity	0-5 mph

RPM	MPH	GPH	MPG
Idle	2.9	0.0	0.0
1000	3.6	0.5	7.2
1500	5.5	0.9	6.1
2000	7.1	1.8	3.9
2500	9.5	2.4	4.0
3000	17.6	2.7	6.5
3500	22.6	3.4	6.6
4000	27.1	4.5	6.0
4500	30.7	6.0	5.1
5000	33.3	7.1	4.7
5500	36.3	10.3	3.5
6000	38.1	11.1	3.4



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# 180 Sportsman



**180 SPORTSMAN** TEST DATE 10/21/08

Length	18'5"
Beam	85"
Dry Weight (Boat Only)	1,200 lbs
Maximum HP	115
Fuel Capacity	24
Weight as tested (Approximate)	1,941 lbs

Note: Test weight may include 1/2 tank of fuel, 1 battery, safety & test Equipment

**YAMAHA F50TLR**

Horsepower	50 HP
Displacement	60.8 CID
Dry Weight (Engine)	237 lbs
Gear Ratio	1.85:1
Mounting Height	#2

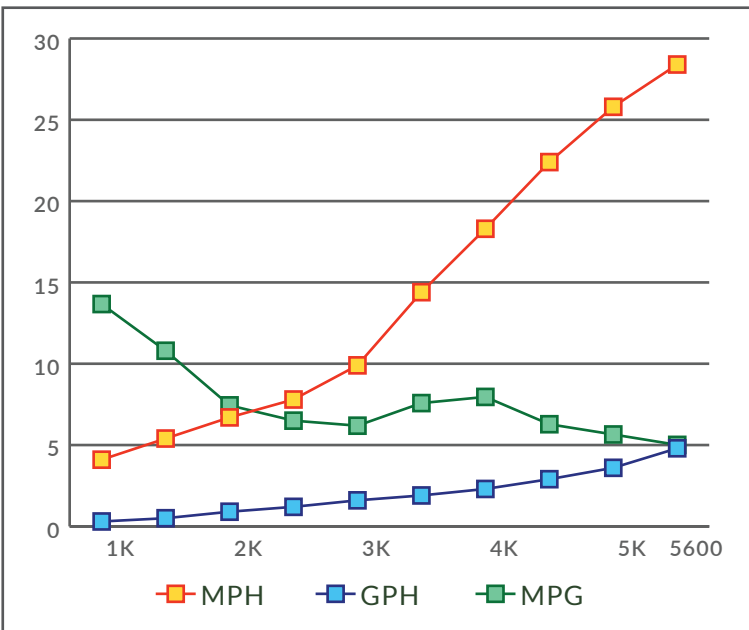
**PROPELLERS**

Material/Blades	Aluminum/3
Series	Aluminum Series
Diameter/Pitch	11 5/8 x 11
Yamaha Part #	69W-45947-00-EL

**TEST CONDITIONS**

Number of People	2
Air Temperature (Fahrenheit)	63° F
Elevation	1,300 ft.
Wind Velocity	0-5 mph

RPM	MPH	GPH	MPG
1000	4.1	0.3	13.67
1500	5.4	0.5	10.80
2000	6.7	0.9	7.44
2500	7.8	1.2	6.50
3000	9.9	1.6	6.19
3500	14.4	1.9	7.58
4000	18.3	2.3	7.96
4500	22.4	2.9	6.28
5000	25.8	3.6	5.65
5600	28.4	4.8	5.01



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# 180 Sportsman



**180 SPORTSMAN** TEST DATE 10/22/08

Length	18'5"
Beam	85"
Dry Weight (Boat Only)	1,200 lbs
Maximum HP	115
Fuel Capacity	33
Weight as tested (Approximate)	2,072 lbs

Note: Test weight may include 1/2 tank of fuel, 1 battery, safety & test Equipment

**YAMAHA F90TLR**

Horsepower	90 HP
Displacement	97 CID
Dry Weight (Engine)	369 lbs
Gear Ratio	2.31:1
Mounting Height	#2

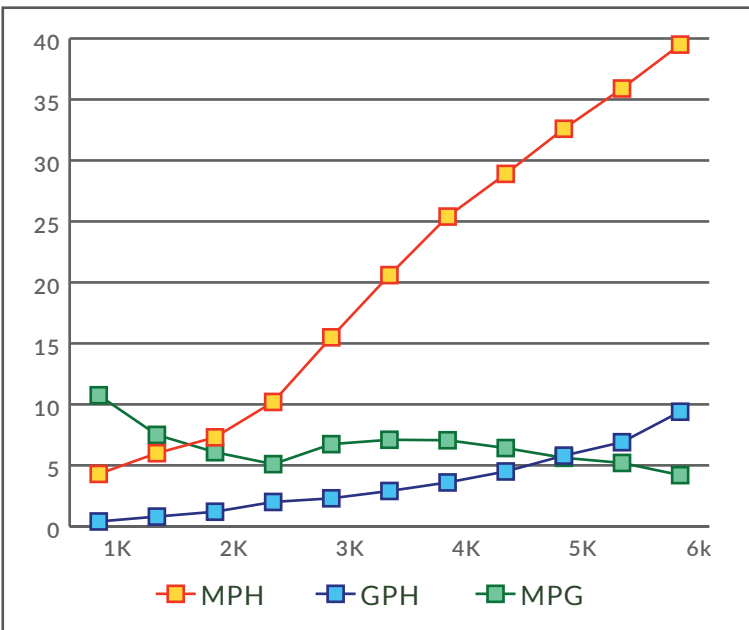
**PROPELLERS**

Material/Blades	Aluminum/3
Series	Aluminum Series
Diameter/Pitch	13 x 19
Yamaha Part #	6E5-45941-00-EL

**TEST CONDITIONS**

Number of People	2
Air Temperature (Fahrenheit)	54° F
Elevation	1,300 ft.
Wind Velocity	0-5 mph

RPM	MPH	GPH	MPG
1000	4.3	0.4	10.75
1500	6.0	0.8	7.50
2000	7.3	1.2	6.08
2500	10.2	2.0	5.10
3000	15.5	2.3	6.74
3500	20.6	2.9	7.10
4000	25.4	3.6	7.06
4500	28.9	4.5	6.42
5000	32.6	5.8	5.62
5500	35.9	6.9	5.20
6000	39.5	9.4	4.20



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# 200 Sportsman



## 200 SPORTSMAN TEST DATE 10/22/08

Length	20'5"
Beam	86"
Dry Weight (Boat Only)	1,300 lbs
Maximum HP	150
Fuel Capacity	33
Weight as tested (Approximate)	2,029 lbs

Note: Test weight may include 1/2 tank of fuel, 1 battery, safety & test Equipment

## YAMAHA F50TLR

Horsepower	50 HP
Displacement	60.8 CID
Dry Weight (Engine)	237 lbs
Gear Ratio	185:1
Mounting Height	#2

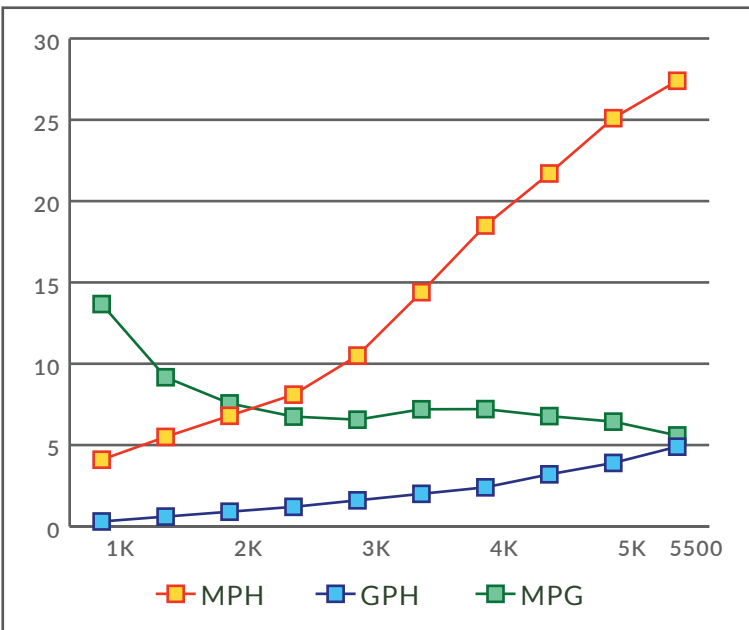
## PROPELLERS

Material/Blades	Aluminum/3
Series	Aluminum Series
Diameter/Pitch	11 5/8 x 11
Yamaha Part #	69W-45947-00-EL

## TEST CONDITIONS

Number of People	2
Air Temperature (Fahrenheit)	53° F
Elevation	1,300 ft.
Wind Velocity	5-10 mph

RPM	MPH	GPH	MPG
1000	4.1	0.3	13.67
1500	5.5	0.6	9.17
2000	6.8	0.9	7.56
2500	8.1	1.2	6.75
3000	10.5	1.6	6.56
3500	14.4	2.0	7.20
4000	18.5	2.4	7.21
4500	21.7	3.2	6.78
5000	25.1	3.9	6.44
5500	27.4	4.9	5.59



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# 200 Sportsman



## 200 SPORTSMAN TEST DATE 10/22/05

Length	20'5"
Beam	86"
Dry Weight (Boat Only)	1,300 lbs
Maximum HP	150
Fuel Capacity	33
Weight as tested (Approximate)	2,161 lbs

Note: Test weight may include 1/2 tank of fuel, 1 battery, safety & test Equipment

## YAMAHA F90TLR

Horsepower	90 HP
Displacement	97 CID
Dry Weight (Engine)	369 lbs
Gear Ratio	2.31:1
Mounting Height	#2

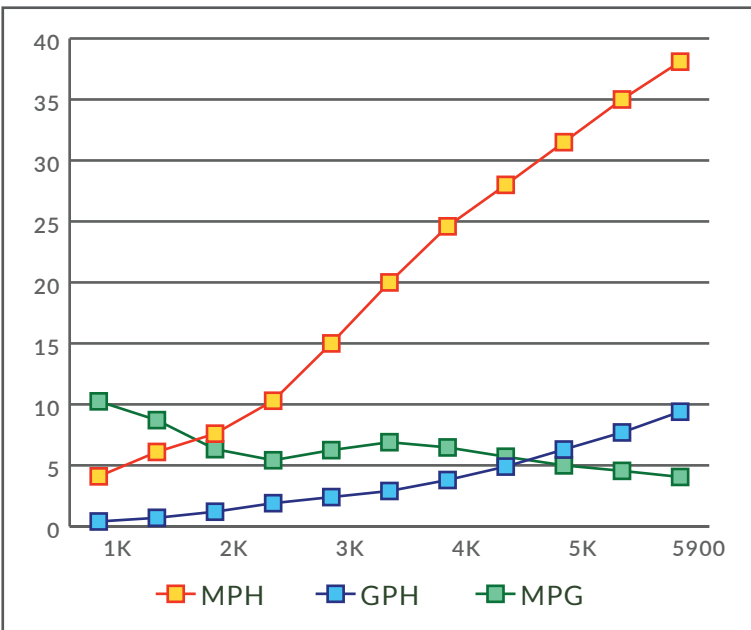
## PROPELLERS

Material/Blades	Aluminum/3
Series	Aluminum Series
Diameter/Pitch	13 x 19
Yamaha Part #	6E5-45941-00-EL

## TEST CONDITIONS

Number of People	2
Air Temperature (Fahrenheit)	46° F
Elevation	1,300 ft.
Wind Velocity	5-10 mph

RPM	MPH	GPH	MPG
1000	4.1	0.4	10.25
1500	6.1	0.7	8.71
2000	7.6	1.2	6.33
2500	10.3	1.9	5.42
3000	15.0	2.4	6.25
3500	20.0	2.9	6.90
4000	24.6	3.8	6.47
4500	28.0	4.9	5.71
5000	31.5	6.3	5.00
5500	35.0	7.7	4.55
5900	38.1	9.4	4.05



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# 200 Sportsman



## 200 SPORTSMAN TEST DATE 10/21/08

Length	20'5"
Beam	86"
Dry Weight (Boat Only)	1,300 lbs
Maximum HP	150
Fuel Capacity	33
Weight as tested (Approximate)	2,194 lbs

Note: Test weight may include 1/2 tank of fuel, 1 battery, safety & test Equipment

## YAMAHA 115TLR

Horsepower	115 HP
Displacement	106.2 CID
Dry Weight (Engine)	402 lbs
Gear Ratio	2.15:1
Mounting Height	#2

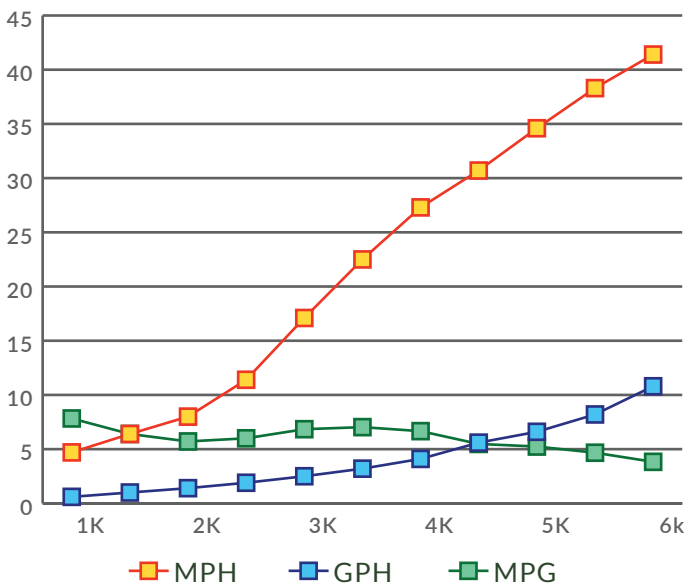
## PROPELLERS

Material/Blades	Aluminum/3
Series	Aluminum Series
Diameter/Pitch	13 x 19
Yamaha Part #	6E5-45941-00-EL

## TEST CONDITIONS

Number of People	2
Air Temperature (Fahrenheit)	60° F
Elevation	1,300 ft.
Wind Velocity	0-5 mph

RPM	MPH	GPH	MPG
1000	4.7	0.6	7.83
1500	6.4	1.0	6.40
2000	8.0	1.4	5.71
2500	11.4	1.9	6.00
3000	17.1	2.5	6.84
3500	22.5	3.2	7.03
4000	27.3	4.1	6.66
4500	30.7	5.6	5.48
5000	34.6	6.6	5.24
5500	38.3	8.2	4.67
6000	41.4	10.8	3.83



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