



Propellers Index

Description

Propeller Quick Reference Chart (Select Link)	6-1
Yamaha Propeller Cross Reference Chart (Select Link)	6-3
Turbo Propeller Cross Reference Chart (Select Link)	6-4
Yamaha Propeller Descriptions (Select Link)	6-5
Turbo Propeller Descriptions (Select Link)	6-9
How to Pick a Propeller (Select Link)	6-12
Propeller Terminology (Select Link)	6-13
Propellers for 2-Stroke 2-15, and 4-Stroke F2.5-F20 (Select Link)	6-16
F Series Propellers for 3.0" Gearcases (Select Link)	6-17
G Series Propellers for 3.5" Gearcases (Select Link)	6-19
K Series Propellers for 4.25" Gearcases (Select Link)	6-22
M or T Series Propellers for 4.75" Gearcases (Select Link)	6-26
X Series Propellers for 5.25" Gearcases (Select Link)	6-34
TRP (Twin Rotating Propellers) for TRP Gearcases (Select Link)	6-37
Small Hub Propellers for High Performance Applications (Select Link)	6-37
Hubs for Yamaha Propellers (Select Link)	6-38
Hubs for Turbo Propellers (Select Link)	6-39
Turbo Hub Application Charts (Select Link)	6-40
Propeller Hardware Kits (Select Link)	6-49
Propeller Accessories (Select Link)	6-50

**Select Yamaha
Outboard Part
Numbers to open
each product within
the ONLINE STORE**

Propellers

Select Yamaha Outboard Part Numbers to open each product within the ONLINE STORE

Propeller Quick Reference Chart

With all that Yamaha has to offer in regard to propellers, virtually any boat can perform at its peak. That includes your customers. From large offshore boats to family and watersports boats to the fastest of bass and bay boats, Yamaha has a propeller solution that's just right for your customers' application. Yamaha propeller solutions. Well beyond expectations.

<p>With all that Yamaha has to offer in regard to propellers, virtually any boat can perform at its peak. That includes your customers. From large offshore boats to family and watersports boats to the fastest of bass and bay boats, Yamaha has a propeller solution that’s just right for your customers’ application. Yamaha propeller solutions. Well beyond expectations.</p>		<p>Yamaha Propeller Available Pitches</p>							
Propeller Series	Recommended Boat Application								
Aluminum	Family, Water Sports, Medium, and Small Boats	8-14	8-17	11-25		15-23			
Talon™	Medium and Small Boats			9-16					
Talon™ SS	Medium and Small Boats			14-24	14-20				
Dual Thrust	Family and Water Sports	8 1/4	9	11					
Painted Stainless Steel	Family, Water Sports, Medium, and Small Boats		11-16	14-23	17-21	13-23	15-23		
Performance 3	Family, Water Sports, Medium, and Small Boats	10-14	12-15	14-24	14-22	14-26	14-22		
Performance 4	Bass, Bay, and Flats Boats			18-23		18-26			
Performance XT	Bass, Bay, and Flats Boats					23-27			
Saltwater Series XL4	Large Boats							15-17	15-17
Saltwater Series XL4–HP	Large Boats							22-24	22-24
Pontoon Performance	Family, Water Sports, Medium, and Small Boats			9-13					
PRO	Bass, Bay, and Flats Boats					21-27			
Reliance®	Family, Water Sports, Medium, and Small Boats					15-21	17-21		
Reliance SDS	Family, Water Sports, Medium, and Small Boats					15-21	15-21		
Saltwater Series HS4™	Large Boats					21-23	21-23		
Saltwater Series HS4-SDS	Large Boats					21-23	21-23		
Saltwater Series II	Family, Water Sports, and Large Boats					15-21	15-21		
Saltwater Series II - SDS	Family, Water Sports, and Large Boats					13-23	13-23		
Saltwater Series XL ®	Large Boats							17-25	17-25
Saltwater Series XL - SDS	Large Boats							15-23	15-23
V MAX SHO® (ventless)	Bass, Bay, and Flats Boats					22-29			
Weedless	Medium and Small Boats	12-13							

Select Yamaha Outboard Part Numbers to open each product within the ONLINE STORE

Propellers

		RH F25 and 20-30 (3.0" Gearcase)		RH F25, F30-F60 and 40-55 (3.5" Gearcase)		RH F50, T60, F70-F115 and C60-130 (4.25" Gearcase)		LH T50, T60, F70-F115 and C60-130 (4.25" Gearcase)		RH F150-300 and F150 - F300 (V6) (4.75" Gearcase)		LH F150-300 and F150 - F300 (V6) (4.75" Gearcase)	
		Turbo Propeller Available Pitches											
Propeller Series	Recommended Boat Application												
Fusion 4	Bass, Bay, Flats, and Large Boats										21-26		21-23
FX4	Bass, Bay, Flats, Medium, and Small Boats						14-25						
FXP™	Bass, Bay, and Flats Boats										22-27		
Hot Shot	Medium and Small Boats	10-15		10-19									
Lightning	Bass, Bay, and Flats Boats										17-21		
Offshore 1	Bass, Bay, Flats, and Larger Boats										15-26		15-26
Offshore 2	Large Boats										15-25		15-25
Pontoon 1	Family, Water Sports, Medium, and Small Boats			9-15		9-15							
Quest™ 3 Blade	Family, Water Sports, Medium, and Small Boats					15-21							
Quest™ 4 Blade	Family, Water Sports, Medium, and Small Boats					14-21							
Turbo 1	Family, Water Sports, Medium, and Small Boats					13-23					13-25		15-21
Turbo 2+2	Bass, Bay, and Flats Boats										16-24		
Turbo 2+20T											18-26		
TXP™	Bass, Bay, and Flats Boats										21-31		
TXP OT4	Bass, Bay, and Flats Boats										23-31		
Ultima 4	Bass, Bay, Flats, Medium, and Small Boats										13-23		13-23
Vector	Family and Water Sports										21-25		21-25

Propellers

Select Yamaha Outboard Part Numbers to open each product within the ONLINE STORE

Yamaha Propeller Cross Reference Chart

Gearcase Size	Yamaha	Turbo®	Mercury®	BRP®	Stiletto®	Solas®	Michigan Wheel®	PowerTech!®
F - 3.00"	Aluminum	N/A	Black Max®	Aluminum	Ariva 3.0	Amita 3	"Michigan Match® Vortex XHS"	Aluminum Series B
	Performance 3	Hot Shot™	Vengeance®	SSP	Triad I	New Saturn	Ballistic®	SRA3
G - 3.50"	Aluminum	N/A	Black Max®	Aluminum	Ariva 3.5	Amita 3	"Michigan Match® Vortex® XHS®"	Aluminum Series C
	Performance 3	Hot Shot™	Vengeance®	SSP	Triad II	New Saturn	"Ballistic® Apollo® std."	"SRD3, SRC3, REB3"
	Painted Stainless	N/A	N/A	N/A	N/A	New Saturn	Apollo® std.	SCB3
K - 4.25"	Aluminum	N/A	Black Max®	Aluminum	Ariva 4.25	Amita 3	"Michigan Match® Vortex® XHS®"	Aluminum Series D
	Painted Stainless	Quest	Vengeance®	SSP	N/A	New Saturn	"Ballistic® Apollo® std."	"MQF3 SCD3"
	Pro Series	Turbo 1	"Laser II Vengeance®"	"SSP Raker® II"	Advantage 1	Titan	"Ballistic® XL Apollo® std."	PTR3
	Performance 3	Turbo 1	"Laser II Vengeance®"	"SSP Raker® II"	Advantage 1	Titan	"Ballistic® Apollo® std."	RED3
	Performance 4	FX4	"Trophy® Plus Spitfire®"	Rogue	Bay Pro I	HR Titan 4	"Ballistic® XL Apollo® 4 Blade"	RXB4
	Pontoon Performance	Pontoon 1	"Black Max® XC (aluminum)"	"Hydrus® (aluminum)"	Star II	New Saturn	"Michigan Match® Vortex® XHS®, Apollo® LG DIA"	WBH3
M/T - 4.75"	Aluminum	N/A	Black Max®	Aluminum	Ariva 4.75	Amita 3	"Michigan Match® Vortex® XHS®"	Aluminum Series E
	Painted Stainless	N/A	N/A	N/A	N/A	New Saturn	"Ballistic® Apollo® std. Apollo® 1g dia."	SCE3
	Performance 3	Turbo 1	"Laser II Vengeance®"	"SSP Viper™"	Advantage II	HR Titan 3	"Ballistic® Apollo® std."	PTC3
	Performance XT	Lightning	"Tempest® Fury®"	Raker® II	Advantage II	HR Titan 3	Ballistic® XL	PTC3
	VMAX® vented	TXP™	"Tempest® Fury®"	Raker® II	Advantage II	HR Titan 3	"Ballistic® Apollo® std."	VMX3
	VMAX SHO® (ventless)	FXP™	"Tempest® Fury®"	Raker® II	Advantage II	HR Titan 3	"Ballistic® Apollo® std."	VMX3
	Pro Series™	Lightning	"Laser II Vengeance®"	"SSP Viper™"	Advantage II	HR Titan 3	"Ballistic® XL Apollo® std. Apollo® 1g dia."	PTC3
	Performance 4	"2+2 OT-Bass 2+2 TH-others"	"Trophy® Plus Vensura®"	Cyclone™	Bay Pro II	HR Titan 4	"Ballistic® XL Apollo® 4 Blade"	TR04
	Reliance®	Turbo 1	"Laser II Vengeance®"	"SSP Viper™"	Advantage II	New Saturn	"Ballistic® Apollo® std. Apollo® 1g dia."	SFS3
	Saltwater Series II™	"Offshore II Vector"	Mirage® Plus	Rebel®	Advantage plus	Lexor®	"Ballistic®, Apollo® std., Apollo® 1g dia."	OFS3
	HS4™	"Offshore I Fusion"	"Bravo 1® Revolution 4®"	Cyclone™	Bay Pro III	HR Titan 4	"Ballistic® XL Apollo® 4"	OFS4

This document is for your dealership's use only and should not be copied, disseminated or disclosed without prior written permission of Yamaha. This is to be used as a guideline only to assist sales personnel in the comparison of competitive propeller models as compared to Turbo propellers. This is a guideline only as there are many factors that go into choosing the correct propeller. Turbo and Stiletto propellers are manufactured by Precision Propellers Industries, Inc. a wholly owned subsidiary of Yamaha.

Turbo Propeller Cross Reference Chart

Gearcase Size	Turbo®	Yamaha	Mercury®	BRP®	Stiletto®	Solas®	Michigan Wheel®	PowerTech!®
F - 3.00"	Hot Shot™	Performance 3	Vengeance®	SSP	Triad I	New Saturn	Ballistic®	SRA3
G - 3.50"	Hot Shot™	Performance 3	Vengeance®	SSP	Triad II	New Saturn	"Ballistic® Apollo® std."	"SRD3 SRC3 REB3 "
	Pontoon 1	N/A	Black Max®	"Hydrus® (aluminum)"	Star I	New Saturn	"Vortex® LG DIA (aluminum)"	WBA3
K - 4.25"	Quest	Painted Stainless	Vengeance®	SSP	N/A	New Saturn	"Ballistic® Apollo® std."	"MQF3 SCD3"
	Quest 4 Blade	N/A	Trophy® Plus/sport	Rogue	Advantage Q	HR Titan 4	"Ballistic® Apollo® std."	XSB4
	Turbo 1	Performance 3	"Laser II Vengeance®"	"SSP Raker® II"	Advantage 1	Titan	"Ballistic® XL Apollo® std."	"PTR3 RED 3"
	FX4	Performance 4	"Trophy® Plus Spitfire®"	Rogue	Bay Pro I	HR Titan 4	"Ballistic® XL Apollo® 4 Blade"	RXB4
	Pontoon 1	Pontoon Performance Series	"Black Max® XC (aluminum)"	"Hydrus® (aluminum)"	Star II	New Saturn	"Michigan Match® Vortex® XHS® Apollo® LG DIA"	WBH3
M/T - 4.75"	"TXP TXP pvs"	VMAX® vented	"Tempest® Fury®"	Raker® II	Advantage II	HR Titan 3	"Ballistic® Apollo® std."	VMX3
	"TXP OT4 TXP OT4 pvs"	N/A	Trophy® Plus	N/A	N/A	HR Titan 3	Ballistic®	"SCE4 TRO4"
	FXP™	VMAX SHO® (ventless)	"Tempest® Fury®"	Raker® II	Advantage II	HR Titan 3	"Ballistic® Apollo® std."	VMX3
	Lightning	"Pro Series™ Performance XT"	"Laser II Vengeance® Tempest® Fury®"	"SSP Viper™ Raker® II"	Advantage II	HR Titan 3	"Ballistic® XL Apollo® std. Apollo® lg dia."	PTC3
	2+2 OT-Bass	Performance 4	"Trophy® Plus Vensura®"	Cyclone™	Bay Pro II	HR Titan 4	"Ballistic® XL Apollo® 4 Blade"	TRO4
	2+2 TH-others	Performance 4	"Trophy® Plus Vensura®"	Cyclone™	Bay Pro II	HR Titan 4	"Ballistic® XL Apollo® 4 Blade"	TRO4
	Turbo 1	"Reliance® Performance 3"	"Laser II Vengeance®"	"SSP Viper™"	Advantage II	"New Saturn HR Titan 3"	"Ballistic® Apollo® std. Apollo® lg dia."	"SF53 PTC3"
	Offshore I	HS4™	"Bravo 1® Revolution 4® "	Cyclone™	Bay Pro III	HR Titan 4	"Ballistic® XL Apollo® 4"	OFS4
	Offshore II	Saltwater Series II™	Mirage® Plus	Rebel®	Advantage plus	Lexor®	"Ballistic® Apollo® std. Apollo® lg dia."	OFS3
	Ultima 4	HS4™	"Bravo 1® VenSura® Revolution 4® "	Cyclone™	Bay Pro III	HR Titan 4	"Ballistic® XL Apollo® 4"	OFS4
	Vector	Saltwater Series II™	Mirage® Plus	Rebel®	Advantage plus	Lexor®	"Ballistic® Apollo® std. Apollo® lg dia."	OFS3
	Fusion 4	HS4™	"Bravo 1® Revolution 4® "	Cyclone™	Bay Pro III	HR Titan 4	"Ballistic® XL Apollo® 4"	OFS4

General Information

Rigging Estimate Guide (Diagrams)

Rigging Components

Electrical Components

Engine Accessories

Propellers

Maintenance Items

Oils & Lubes

Detailing & Trailer Supplies

Accessories & Apparel

Generators & Accessories

Propellers

Select Yamaha Outboard Part Numbers to open each product within the ONLINE STORE

Yamaha Propeller Descriptions

Endless Propeller Solutions By Yamaha

With all that Yamaha has to offer in regard to propellers, virtually any boat can perform at its peak. That includes yours. From large offshore boats to family and watersports boats to the fastest of bass and bay boats, Yamaha has a propeller solution that's just right for your application. Yamaha propeller solutions. Well beyond expectations.

General
Information

Rigging Estimate
Guide (Diagrams)

Rigging
Components

Electrical
Components

Engine
Accessories

Propellers

Maintenance
Items

Oils
& Lubes

Detailing &
Trailer Supplies

Accessories
& Apparel

Generators
& Accessories



Aluminum

- Low cost
- Lightweight
- Good all around performance
- Wide variety of applications 2hp - 225hp



Talon™

- **Shift Dampener System (SDS™)**
- High efficiency, low slip design
- Lightweight aluminum
- Excellent for Pontoon, Deep V, Walleye, and Fiberglass boats
- Available in 9", 10.5", 12", 14", and 16" pitches



Talon™ SS

- **Shift Dampener System (SDS™)**
- High efficiency, low slip design
- Excellent for light bass, flats, and small to medium boats with mid-range power
- Available in 14", 16", 18", 20" in left and right-hand rotation
- Available in 19", 22", 24" right-hand rotation



Dual Thrust™

- Large diameter and large blade design
- Low pitch and rake angle
- Large oversized exhaust tube to redirect exhaust in reverse for better reverse thrust
- Perfect for sailboats and pontoons
- Designed for Yamaha High Thrust outboards and also works well on midrange outboards using the "K" series (4.25") gearcase



Painted Stainless Steel

- Excellent general purpose propeller
- More durable than aluminum
- Wide variety of applications from 25hp - 300hp in left and right-hand rotation

Propellers

Performance 3

- Excellent general purpose propeller
- More durable than aluminum
- Wide variety of applications from 25hp - 300hp in left and right-hand rotation

Performance 4

- Improved hole shot and overall grip
- Excellent in rough water or on applications requiring high engine mounting heights
- Available for "K" series (4.25") gearcases or "M" series (4.75") gearcases, 50-225hp

Performance XT™

- Large, long blade design
- Increased strength and durability
- Perfect for heavier bass boats with jack plates or high engine mounting height
- Available in 23", 25", and 27" pitches, right-hand rotation only

Saltwater Series XL4™

- *Shift Dampener System (SDS™)*
- Improved acceleration and grip
- Quick planing and reduced ventilation
- Excellent for large V8 powered offshore boats
- Available in 15" and 17" pitches in left and right-hand rotation

Saltwater Series XL4™ - HP

- *Shift Dampener System (SDS™)*
- Improved acceleration and grip
- Quick planing, advanced blade designed specifically for Yamaha V8 outboards
- Excels on stepped hull, high speed, high horsepower offshore center console boats
- Available in 22" and 24" pitches in left and right-hand rotation

Pontoon Performance

- Large blade design for maximum performance and efficiency
- Improved grip and reduced ventilation
- Excellent for pontoons, work boats and semi planing craft
- Available in select 9"-13" pitches for Yamaha "K" series (4.25") gearcases



General Information

Rigging Estimate Guide (Diagrams)

Rigging Components

Electrical Components

Engine Accessories

Propellers

Maintenance Items

Oils & Lubes

Detailing & Trailer Supplies

Accessories & Apparel

Generators & Accessories

Propellers

Select Yamaha Outboard Part Numbers to open each product within the ONLINE STORE

General Information



PRO™

- Excellent performance choice for bass, bay, or flats boats
- Improved bow lift
- Vented exhaust
- Available for Yamaha "M" series (4.75") gearcases

Rigging Estimate Guide (Diagrams)

Rigging Components



Saltwater Series II™

- **Shift Dampener System (SDS™)**
- Large diameter blade design
- Aggressive rake and extra cup
- Superior fuel efficiency
- Available for Yamaha "M" and "T" series (4.75") gearcases in select 13" - 23" pitches in left and right-hand rotation

Electrical Components

Engine Accessories



Reliance®

- **Shift Dampener System (SDS™)**
- CAD-designed to increase performance
- Resists ventilation and improves overall grip
- Designed for Yamaha 2.7L and 2.8L inline four cylinder outboards (F150 ~ F200)

Propellers

Maintenance Items



Saltwater Series HS4™

- **Shift Dampener System (SDS™)**
- Excellent acceleration, quick planing, and maximum grip
- Resists ventilation in rough or following seas
- Designed for Yamaha V6 outboards
- Available in 21", 22", and 23" pitches in left and right-hand rotation

Oils & Lubes

Detailing & Trailer Supplies



Saltwater Series XL®

- **Shift Dampener System (SDS™)**
- Designed specifically for Yamaha V8 outboards
- Large blade and large diameter for maximum thrust
- Excellent acceleration and quick planing
- Available in select 15" - 23" pitches in left and right-hand rotation for Yamaha "X" series (5.25") gearcases

Accessories & Apparel

Generators & Accessories



V MAX SHO®

- Ultimate performance for V MAX SHO® four stroke outboards
- Excellent for bass, bay, and flats boats
- Awesome acceleration and top speed
- Ventless exhaust
- Incredible performance and handling
- Available in 22"- 27" pitches right-hand rotation only

Propellers

TRP

- 60% more blade surface provides transom lifting performance like no other.
- Outstanding handling, greater thrust and unmatched hole shot.
- Requires a TRP (Twin Rotating Propeller Lower Unit)

Small Hub Series

- Highly-specialized propeller designed for specific applications using 60hp – 200hp outboards
- Features a “exhaust-over-the-hub” design, allowing the outboard to develop rpm quicker for faster hole shots.

Weedless Propellers

- Designed to help keep vegetation off your propeller and prop shaft.
- Propellers with a 9 1/4 diameter are available in the Aluminum Series
- 9 1/8 diameter weedless design is available in painted stainless steel

Plastic Propellers

- Ideal for those who run in debris filled water.
- Available for the 2 HP two stroke or the T9.9 four stroke.



General
Information

Rigging Estimate
Guide (Diagrams)

Rigging
Components

Electrical
Components

Engine
Accessories

Propellers

Maintenance
Items

Oils
& Lubes

Detailing &
Trailer Supplies

Accessories
& Apparel

Generators
& Accessories

Propellers

Select Yamaha Outboard Part Numbers to open each product within the ONLINE STORE

Turbo Propeller Descriptions

General Information

Rigging Estimate Guide (Diagrams)

Rigging Components

Electrical Components

Engine Accessories

Propellers

Maintenance Items

Oils & Lubes

Detailing & Trailer Supplies

Accessories & Apparel

Generators & Accessories



2+2 TH

- Excellent sterndrive and V6 four-stroke outboard propeller
- Advanced blade geometry helps maximize performance on deeply submerged drive units
- Improved hole shot, acceleration and ability to effectively power heavier loads than typical three-bladed propellers
- Ideal for water sports or family boating



2+2 OT

- Over and thru hub exhaust
- Better acceleration and grip
- Excellent load carrying ability
- Fits a wide variety of V6 outboard applications



Fusion 4

- Advanced design with aggressive rake, progressive pitch
- Through hub vented exhaust
- Excellent for high horsepower sterndrive and outboard "surfacing" applications in single or multi engine configurations
- Excels on stepped hull offshore boats



FX4

- Improved bow and stern lift
- Improved acceleration and load carting ability
- Excellent for flats or shallow water boats
- Works well on a broad range of smaller boats and applications using 3 and 4 cylinder outboards with 4.25" gearcases



FXP™

- Designed specifically for ultra-high-performance four-stroke outboards like Yamaha's V MAX SHO®
- Excels in hole shot, acceleration, top speed and handling; all at tournament loads
- Minimal bow rise, steering torque, and operator fatigue
- Excellent for light, high performance bass, bay and flats boats
- Available in single inch pitches from 22" to 27"



Hot Shot

- Ideal for smaller boats and outboards
- Reduced slip and resistance to ventilation
- Increased performance and fuel efficiency
- Increased durability over aluminum

Propellers

Lightning

- Aggressive pitch, high rake angle, and large diameter
- Excellent speed, handling, and bow lift
- Thick blades increase strength, longevity, and durability
- Ideal for heavier designed bass and flats boats with high engine mounting heights
- Designed for Yamaha V6, Mercury®, Johnson®/Evinrude® V6/V8, and Suzuki®



Offshore I & II

- Excellent for 200HP - 300HP V6 offshore-type applications in single or multiple engine configurations
- Offshore I = 4-blade design / Offshore II = 3-blade design
- Superlative load carrying ability, transom & bow lift for large heavy offshore boats using outboard power
- Outstanding speed and fuel efficiency at cruising RPM's
- Reduced ventilation and slip in rough or following seas



Pontoon 1

- Excellent for use with 3 and 4 cylinder outboards with 3.5" or 4.25" gearcases
- Use on twin-log pontoon boats and some deck boats, sailboats, and utility/work boats where extra thrust, maneuverability, and control are needed.
- Ideal for many applications using Yamaha's F70 outboard.
- Resists ventilation, particularly in turns and at high engine trim levels



Quest™

- Excellent for 3 and 4 cylinder outboards using using a 4.25" gearcase
- Very well suited for smaller utility/work boats and Yamaha F70 applications
- Available with 3 or 4 blades



Turbo 1

- Turbo's most popular and best "all around" performance propeller
- Suitable for most 3 and 4 cylinder outboards and V4/V6 outboards, as well as stern drives and Johnson®/Evinrude® V8 outboards
- Enhanced bow lift, excellent performance, and handling characteristics for medium to heavily loaded boats



General Information

Rigging Estimate Guide (Diagrams)

Rigging Components

Electrical Components

Engine Accessories

Propellers

Maintenance Items

Oils & Lubes

Detailing & Trailer Supplies

Accessories & Apparel

Generators & Accessories

Propellers

Select Yamaha Outboard Part Numbers to open each product within the ONLINE STORE

General Information



TXP™

- Excellent high-horsepower, high-speed propeller for very light, high-speed boats, particularly those using high engine mounting heights or a hydraulic jack plate and having naturally greater bow lift “built-in”
- Aggressive pitch and cupping
- High rake angle
- Excellent for surface piercing applications

Rigging Estimate Guide (Diagrams)

Rigging Components



TXP™ OT4

- Excellent high-horsepower, high-speed propeller for very light, high-speed boats, particularly those using high engine mounting heights or a hydraulic jack plate and having naturally greater bow lift “built-in”
- Faster hole shots and quicker acceleration
- Over and thru hub exhaust helps develop rpm rapidly
- Very aggressive pitch and high rake angle
- Large diameter and advanced trailing edge blade cupping
- Excellent in surface piercing applications

Electrical Components

Engine Accessories



Ultima 4

- Suitable for V6 outboards utilizing a high engine mounting or operating height, including those with jack plates
- Excellent for bay and flats boats due to stern lift at hole shot and during acceleration
- Excellent performance with improved bow and transom lift
- Resists ventilation and slip in turns and at high engine trim levels

Propellers

Maintenance Items



Vector

- Specifically for sterndrives where the props ride fully submerged
- Also works well on heavier 22'-27' boats, particularly with twin engines
- Faster hole shots and improved planing
- Excellent bow lifting characteristics
- Good performance in rough water

Oils & Lubes

What does the Yamaha propeller series mean?

The propeller series simply relates to the gearcase diameter. See the chart below for more information.

Propeller Mark	Model	Gear Case Diameter	Spline Count
A	2	1.75"	Shear Pin, no Spline
BS	F2.5	2.00"	9
B	4, 5	2.00"	9
BA	4, 5, F4, F4A, F6A	2.00"	9
N	6, 8, F6, F8	2.25"	7
R	T8, T9.9	2.50"	8
J	9.9 ~ F20	2.50"	8
F	20~30, F25	3.00"	10
G	40~55, T25~F60	3.50"	13
K, KL	60~130, T50~F115	4.25"	15
M/T, ML/TL	150~300, F150 ~ F300 (4.2L V6)	4.75"	15
X, XL	F300/F350TR (V8)	5.25"	17

Detailing & Trailer Supplies

Accessories & Apparel

Generators & Accessories

How to Pick a Propeller

When it comes to 'proper propping', there's no magic bullet or one particular prop that's perfect for all boat types and engine applications due to the litany of performance variables, but there are ways to 'hone in' on what you need. As a general rule, the correct propeller will allow your engine to reach the upper portion of the WOT (wide open throttle) range specified by the manufacturer without exceeding it, with a normal-to-heavy load. For example, if your outboard says WOT is 5000-6000 rpm, you need a prop that will allow your engine to turn between approximately 5700 and 6000 rpm with your average-to-heavy load in the boat. Be sure to account for things like fuel, full bait and/or live wells, batteries, passengers, and all gear, including safety gear like anchors, ropes, etc.

To begin, check Yamaha's Performance Bulletins on our website: <http://yamahaoutboards.com/owner-resources/performance-bulletins>.

Choose the type of boat most similar to yours (or the one you want), and note what propeller is listed. Next, check out the propeller solutions applicable to your particular horsepower Yamaha outboard in our propeller charts located in the propellers section of our marine website's landing page <http://www.yamahaoutboards.com/propellers/picking-a-propeller> (there's a great deal of other great information in here, too!). Look for the same series name and pitch of propeller as the Performance Bulletin, then adjust the pitch depending on weight and altitude (heavier weight or higher altitude, pitch down...light or low, pitch even or slightly up). Each inch of propeller pitch is equal to approximately 150-200 rpm.

Don't see a Performance Bulletin for the same type boat as what you've got? Look on the outside barrel for the pitch or remove the prop and look on the inside of the hub for the propeller 'size', then consult the charts and adjust the pitch accordingly.

Yamaha Performance Bulletin

YPB#: PB G3B AnglerV167C_F60TLR_6-17-08_ALM

Test Date: 6/17/08



G3 Boats Angler V 167 C

Length	16'
Beam	6' 5"
Dry Weight (Boat Mfr. Published)	820 lbs.
Maximum HP	60 hp
Fuel Capacity	13 gals.
Weight as Tested (Approximate)	1,650 lbs.



Boat Manufactured By:
G3 Boats • 901 Cowan Drive • Lebanon, MO 65536
(417) 588-9187 • www.g3boats.com

Yamaha F60TLR

Horsepower	60
Displacement	60.8 cu. in.
Weight (Catalog Published)	237 lbs.
Gear Ratio	1.85

Engine Mounting Height

Mounting Hole Position	#2
------------------------	----

Propeller

Series	Aluminum Series
Diameter/Pitch	10-3/8 x 13
Yamaha Part #	6H5-45945-00-EL
Propeller Material	Aluminum

Test Conditions

Number of People	2
Air / Water Temperature (Fahrenheit)	82° / 72°
Elevation	924'
Wind Velocity	0-5 MPH

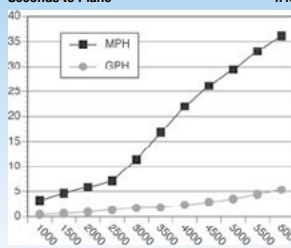
Comments: Test weight includes 1/2 tank of fuel, two batteries, bow-mounted trolling motor, safety and test equipment. Fuel consumption data gathered with Yamaha Command Link fuel management system. Speed data gathered with GPS receiver.

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. Yamaha reserves the right to change the specifications and performance data of this Performance Bulletin or engine without notice.

Performance Data

RPM	MPH	GPH	MPG
1000	3.2	0.4	8.00
1500	4.6	0.6	7.67
2000	5.9	0.9	6.56
2500	7.2	1.3	5.54
3000	11.4	1.7	6.71
3500	16.8	1.8	9.33
4000	22.0	2.3	9.57
4500	26.1	2.9	9.00
5000	29.4	3.5	8.40
5500	33.1	4.4	7.52
6000	36.1	5.4	6.69

Seconds to Plane 4.49



Test performed and verified by Yamaha Application Engineers.
For More Information:
Yamaha Motor Corp., USA • OEM Division, Marine Group
1270 Chasman Road NW • Kenosha, WI 53144 • (800) 88-YAMAHA
For other Performance Bulletins, visit www.yamaha-motor.com.

General
Information

Rigging Estimate
Guide (Diagrams)

Rigging
Components

Electrical
Components

Engine
Accessories

Propellers

Maintenance
Items

Oils
& Lubes

Detailing &
Trailer Supplies

Accessories
& Apparel

Generators
& Accessories

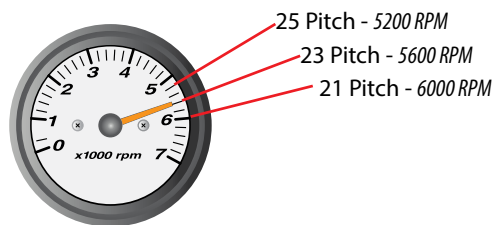
Propellers

Select Yamaha Outboard Part Numbers to open each product within the [ONLINE STORE](#)

Propeller Terminology

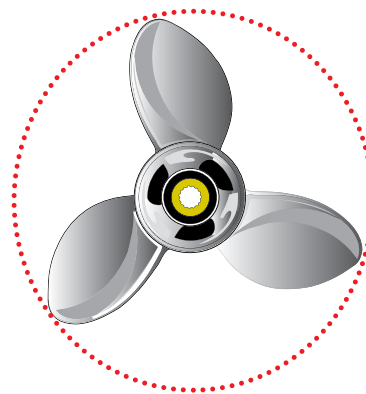
Pitch

Pitch is the distance (in inches) a particular prop would theoretically travel in one full revolution, as if traveling through a solid. A lower pitch will have better hole shot and “pushing power” but a lower top speed, while a higher pitch prop will provide less acceleration, but a greater potential for higher top speeds. The correct propeller will allow your engine to reach the upper portion of the WOT range specified by the manufacturer with a normal-to-heavy load (without exceeding it). Each inch of pitch is equal to approximately 150 +/- 50 RPM.



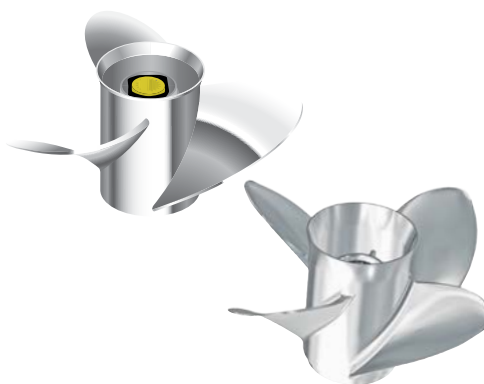
Diameter

Diameter means the total width of the “circle” at the blade tips as the propeller spins. A larger diameter pushes more water and reaches deeper into the water, so they’re typically used on large, heavy boats or ones with high engine mounting heights. A smaller diameter is usually used on lighter weight boats, where the prop operates lower in the water or when a gain in engine RPM is desired.



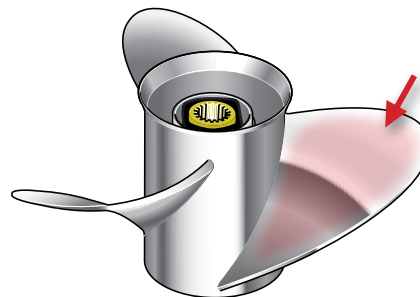
Number of Blades

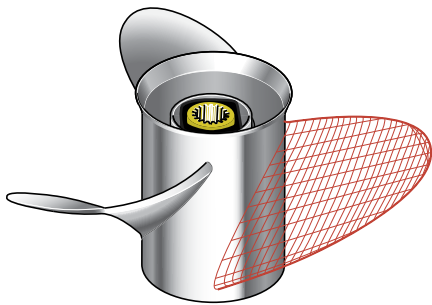
Three-bladed propellers are the most common, offering good overall performance, top speed, and efficiency for most applications. Four blades characteristically provide increased acceleration, enhanced bow- and stern-lift, and reduced ventilation. However, four blades typically mean more drag on the engine, resulting in lower top speeds and different handling characteristics.



Blade Surface Area

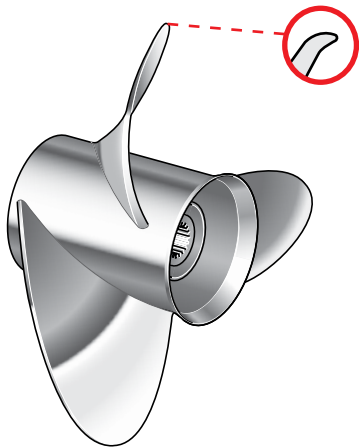
Blade surface area refers to the total surface of the blades. The more blade surface area a prop has the more water it pushes, for better hole shot and increased planing efficiency. Too much can create significantly more drag, however, potentially restricting engine RPM and causing negative boat-handling issues.





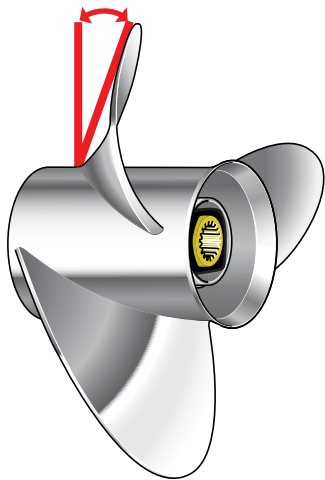
Blade Geometry

Blade geometry refers to the actual shape of the blade (or ear). By manipulating the blade's shape, diameter and pitch progression, different performance characteristics are created for each different type and style of propeller.



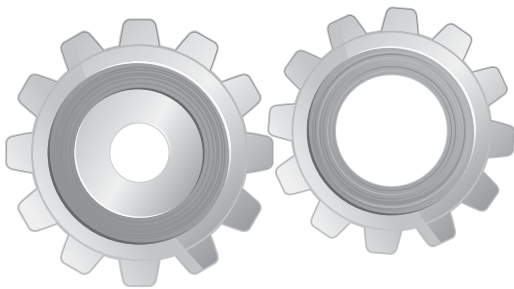
Cup

Cup is the small curved lip on the blade tip and/or trailing edge. Used in proper amounts, cup helps reduce ventilation and propeller slippage, allowing for higher mounting heights and greater bow lift. Too much cup, however, will cause excessive steering torque and bow lift and limit the engine's ability to develop and maintain proper RPM at a certain pitch.



Rake

Rake is the angle of the blades in relation to the propeller's barrel, or center, and is expressed in degrees. A high rake propeller is best suited for high engine mount applications by helping reduce ventilation and increasing bow lift. Too much rake, however, strains the engine, decreases hole shot and can produce negative performance and handling results. A propeller with a low rake angle will cause less strain on the engine, resulting in potentially better hole shot and higher WOT operating rpm.



Gear Ratio

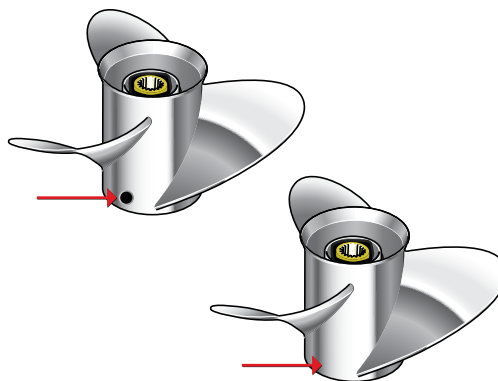
Gear ratio on a marine engine refers to the gears used in the lower unit, much like an automobile's transmission. The higher the ratio, the more pushing power the engine will produce. The lower the ratio, the more top speed the engine can potentially generate. It's important to choose a propeller that allows the engine to operate near the upper end of the manufacturer's recommended wide-open throttle (WOT) RPM under normal loads and conditions.

General Information	Rigging Estimate Guide (Diagrams)	Rigging Components	Electrical Components	Engine Accessories	Propellers	Maintenance Items	Oils & Lubes	Detailing & Trailer Supplies	Accessories & Apparel	Generators & Accessories
---------------------	-----------------------------------	--------------------	-----------------------	--------------------	------------	-------------------	--------------	------------------------------	-----------------------	--------------------------

Ventilation

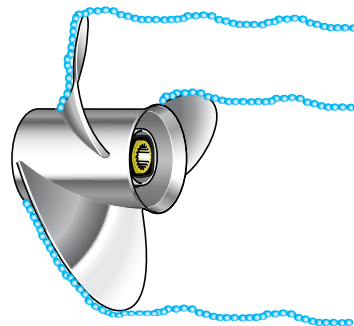
Ventilation is when air is drawn in around the propeller blades. Normally, this causes a gain in rpm, but a loss of speed, since the propeller blades are not biting clean water. This most usually occurs during hard cornering or in certain water conditions, such as following seas.

Controlled ventilation can be beneficial, though, in helping the engine gain rpm during hard acceleration. This is engineered into certain propellers, and is most-usually used on two stroke outboards. An example of this is the small holes in the side of the propeller barrel which allow exhaust to intentionally be drawn in around the blades at hole shot. This helps two stroke engines generate the higher rpm they need for proper hole shot performance. Four stroke engines typically don't need them.



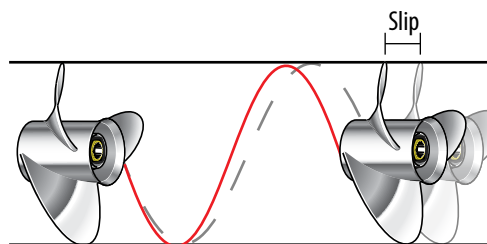
Cavitation

Cavitation occurs when pressure on the water across the blade's surface is reduced to the point of becoming water vapor, forming bubbles. If these bubbles burst, they can cause a cavitation burn which can deteriorate the propeller's surface and cause negative performance issues. As this condition can cause an increase in engine rpm, it's often confused with ventilation.



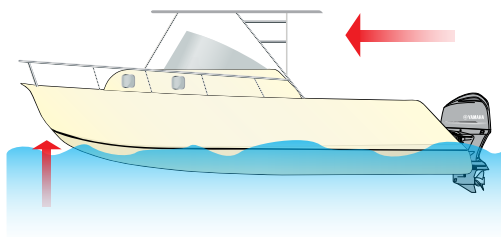
Slip

Slip is the amount of wasted energy a particular prop generates, meaning that the actual distance traveled in one full propeller revolution is less than its pitch measurement. It is normally expressed as a percentage of inefficiency. A certain amount of slip is engineered into each line of propellers to create different performance characteristics.



Hole Shot

"Hole shot" refers to rapid acceleration of the boat, from a standing rest or very slow speed until just on-plane. This is when the engine and the propeller work their hardest.



Propellers for Two Stroke 2-15, and Four Stroke F2.5-F20

Model	Series	Diameter	Pitch	Hub	Part Number**
2	Plastic	7 1/4	4	shear pin	6A1-45943-00-00
2	Aluminum	7 1/4	4 1/2	shear pin	646-45944-01-00
2	Aluminum	7 1/4	5 1/2	shear pin	646-45942-01-00
3/F2.5	Aluminum	7 1/4	5	pressed in	6L5-45949-00-00
3/F2.5	Aluminum	7 1/2	5 1/2	pressed in	6L5-45952-00-00
3/F2.5	Aluminum	7 1/4	6	pressed in	6L5-45943-00-00
3/F2.5	Aluminum	7 1/4	7 1/4	pressed in	6L5-45945-00-00
4/5 (84~91)	Aluminum	7 1/4	8	pressed in	6E0-45941-09-00
3/F2.5	Aluminum	7 1/4	8 1/4	pressed in	6L5-45947-00-00
4/F4/F4A/F6A single cyl.	Aluminum	7 1/4	6 1/2	pressed in	6E0-45949-00-00
4/F4/F4A/F6A single cyl.	Aluminum	7 1/4	8 1/4	pressed in	6E0-45952-00-00
4/F4/F4A/F6A single cyl.	Aluminum	7 1/2	7	pressed in	6E0-45943-01-00
4/F4/F4A/F6A single cyl.	Aluminum	7 1/2	8	pressed in	6E0-45941-01-00
4/F4/F4A/F6A single cyl.	Aluminum	7 1/2	9	pressed in	6E0-45954-00-00
6/8/F6/F8/F9.9F	Dual Thrust™, Aluminum	9	5	pressed in	6G1-W4592-00-00
6/8/F6/F8/F9.9F	Dual Thrust™, Aluminum	9	7	pressed in	6G1-W4591-01-00
6/8/F6/F8/F9.9F	Aluminum	8 1/2	6 1/2	pressed in	6G1-45947-00-00
6/8/F6/F8/F9.9F	Aluminum	8 1/2	7 1/2	pressed in	6G1-45943-00-00
6/8/F6/F8/F9.9F	Aluminum	8 1/2	8	pressed in	6G1-45952-00-00
6/8/F6/F8/F9.9F	Aluminum	8 1/2	8 1/2	pressed in	6G1-45941-00-00
T8	Aluminum	11 3/4	5 3/4	pressed in	69G-45941-00-00
F9.9	Dual Thrust, Aluminum	9 3/4	6 1/2	pressed in	683-W4592-02-00
T9.9	Dual Thrust, Aluminum	11 3/4	7	pressed in	69G-45943-00-00
T9.9	Dual Thrust, Aluminum	11 3/4	9 1/4	pressed in	6G8-45947-00-00
T9.9	Dual Thrust, Plastic	11 3/4	9 1/4	pressed in	6G8-45943-00-00
T9.9	Dual Thrust, Plastic	11 3/4	11	pressed in	6G8-45941-00-00
T9.9	Dual Thrust, Plastic	11 3/4	12 1/4	pressed in	6G8-45945-00-00
9.9/15, F9.9, F15C/F20	Aluminum	9 1/2	6 1/2	pressed in	683-45949-00-00
9.9/15, F9.9, F15C/F20	Dual Thrust, Aluminum	9 3/4	8	pressed in	683-W4591-02-00
9.9/15, F9.9, F15C/F20	Weedless, Aluminum	9 1/4	8	pressed in	683-45947-00-00
9.9/15, F9.9, F15C/F20	Weedless, Aluminum	9 1/4	9	pressed in	683-45945-00-00
9.9/15, F9.9, F15C/F20	Aluminum	9 1/4	8	pressed in	63V-45947-00-00**
9.9/15, F9.9, F15C/F20	Aluminum	9 1/4	9	pressed in	63V-45945-10-00**
9.9/15, F9.9, F15C/F20	Aluminum	9 1/4	9 3/4	pressed in	683-45952-00-00
9.9/15, F9.9, F15C/F20	Aluminum	9 1/4	10	pressed in	63V-45952-10-00**
9.9/15, F9.9, F15C/F20	Aluminum	9 1/4	10 1/2	pressed in	683-45943-00-00
9.9/15, F9.9, F15C/F20	Aluminum	9 1/4	11	pressed in	63V-45943-10-00**
9.9/15, F9.9, F15C/F20	Aluminum	9 1/4	12	pressed in	683-45941-00-00
9.9/15, F9.9, F15C/F20	Aluminum	9 1/4	12	pressed in	63V-45941-10-00**

*NOTE: Propeller does not include deflector ring (6G8-45986-00-00).

**NOTE: Propeller part numbers beginning with "63V-" denote propellers with cupped blades.

Propellers

Select Yamaha Outboard Part Numbers to open each product within the ONLINE STORE

F Series Propellers for 3.0" Gearcases

Yamaha Models 20, 25, C25, F25, and 30

F Series Turbo Propellers for Yamaha Outboards

Diameter	Pitch	RH / LH	Series	Hub	Blades	Gearcase	Part Number	Recommended Use
10 5/8	8 1/4	RH	Dual Thrust™, Aluminum	pressed in	3	3.0"	6J8-W4591-00-00	Family and Water Sports
9 7/8	8	RH	Aluminum	pressed in	3	3.0"	664-45943-01-00	Family, Water Sports, Medium, and Small Boats
9 7/8	9	RH	Aluminum	pressed in	3	3.0"	664-45941-01-00	Family, Water Sports, Medium, and Small Boats
9 7/8	10 1/2	RH	Aluminum	pressed in	3	3.0"	664-45945-00-00	Family, Water Sports, Medium, and Small Boats
9 7/8	11 1/4	RH	Aluminum	pressed in	3	3.0"	664-45947-01-00	Family, Water Sports, Medium, and Small Boats
9 7/8	12	RH	Aluminum	pressed in	3	3.0"	664-45954-01-00	Family, Water Sports, Medium, and Small Boats
9 7/8	13	RH	Aluminum	pressed in	3	3.0"	664-45949-02-00	Family, Water Sports, Medium, and Small Boats
9 7/8	14	RH	Aluminum	pressed in	3	3.0"	664-45952-00-00	Family, Water Sports, Medium, and Small Boats
9 1/8	12	RH	Weedless, Painted Stainless Steel	pressed in	3	3.0"	664-45972-00-00	Medium and Small Boats
9 1/8	13	RH	Weedless, Painted Stainless Steel	pressed in	3	3.0"	664-45970-00-00	Medium and Small Boats
10 1/8	10	RH	Performance 3-Blade	pressed in	3	3.0"	MAR-GYT3B-02-10	Family, Water Sports, Medium, and Small Boats
10 1/8	11	RH	Performance 3-Blade	pressed in	3	3.0"	MAR-GYT3B-02-11	Family, Water Sports, Medium, and Small Boats
10 1/8	12	RH	Performance 3-Blade	pressed in	3	3.0"	MAR-GYT3B-02-12	Family, Water Sports, Medium, and Small Boats
10 1/8	13	RH	Performance 3-Blade	pressed in	3	3.0"	MAR-GYT3B-02-13	Family, Water Sports, Medium, and Small Boats
10 1/8	14	RH	Performance 3-Blade	pressed in	3	3.0"	MAR-GYT3B-02-14	Family, Water Sports, Medium, and Small Boats



F Series Turbo Propellers for Other Outboards

Diameter	Pitch	RH / LH	Series	Hub	Blades	Gearcase	Part Number	Recommended Use
10 1/8	10	RH	Hot Shot For Johnson®, Evinrude®	pressed-in	3	3.0"	MAR-10110-OR-B0	Medium and Small Boats
10 1/8	11	RH	Hot Shot For Johnson®, Evinrude®	pressed-in	3	3.0"	MAR-10111-OR-B0	Medium and Small Boats
10 1/8	12	RH	Hot Shot For Johnson®, Evinrude®	pressed-in	3	3.0"	MAR-10112-OR-B0	Medium and Small Boats
10 1/8	13	RH	Hot Shot For Johnson®, Evinrude®	pressed-in	3	3.0"	MAR-10113-OR-B0	Medium and Small Boats
10 1/8	14	RH	Hot Shot For Johnson®, Evinrude®	pressed-in	3	3.0"	MAR-10114-OR-B0	Medium and Small Boats
10 1/8	15	RH	Hot Shot For Johnson®, Evinrude®	pressed-in	3	3.0"	MAR-10115-OR-B0	Medium and Small Boats
10 1/8	10	RH	Hot Shot For Mercury®	pressed-in	3	3.0"	MAR-10110-MR-B0	Medium and Small Boats
10 1/8	11	RH	Hot Shot For Mercury®	pressed-in	3	3.0"	MAR-10111-MR-B0	Medium and Small Boats
10 1/8	12	RH	Hot Shot For Mercury®	pressed-in	3	3.0"	MAR-10112-MR-B0	Medium and Small Boats
10 1/8	13	RH	Hot Shot For Mercury®	pressed-in	3	3.0"	MAR-10113-MR-B0	Medium and Small Boats
10 1/8	14	RH	Hot Shot For Mercury®	pressed-in	3	3.0"	MAR-10114-MR-B0	Medium and Small Boats
10 1/8	15	RH	Hot Shot For Mercury®	pressed-in	3	3.0"	MAR-10115-MR-B0	Medium and Small Boats
10 1/8	10	RH	Hot Shot For Nissan®/Tohatsu®	pressed-in	3	3.0"	MAR-10110-NR-B0	Medium and Small Boats
10 1/8	11	RH	Hot Shot For Nissan®/Tohatsu®	pressed-in	3	3.0"	MAR-10111-NR-B0	Medium and Small Boats
10 1/8	12	RH	Hot Shot For Nissan®/Tohatsu®	pressed-in	3	3.0"	MAR-10112-NR-B0	Medium and Small Boats
10 1/8	13	RH	Hot Shot For Nissan®/Tohatsu®	pressed-in	3	3.0"	MAR-10113-NR-B0	Medium and Small Boats
10 1/8	14	RH	Hot Shot For Nissan®/Tohatsu®	pressed-in	3	3.0"	MAR-10114-NR-B0	Medium and Small Boats
10 1/8	15	RH	Hot Shot For Nissan®/Tohatsu®	pressed-in	3	3.0"	MAR-10115-NR-B0	Medium and Small Boats
10 1/8	10	RH	Hot Shot For Suzuki®	pressed-in	3	3.0"	MAR-10110-SR-B0	Medium and Small Boats
10 1/8	11	RH	Hot Shot For Suzuki®	pressed-in	3	3.0"	MAR-10111-SR-B0	Medium and Small Boats
10 1/8	12	RH	Hot Shot For Suzuki®	pressed-in	3	3.0"	MAR-10112-SR-B0	Medium and Small Boats
10 1/8	13	RH	Hot Shot For Suzuki®	pressed-in	3	3.0"	MAR-10113-SR-B0	Medium and Small Boats
10 1/8	14	RH	Hot Shot For Suzuki®	pressed-in	3	3.0"	MAR-10114-SR-B0	Medium and Small Boats
10 1/8	15	RH	Hot Shot For Suzuki®	pressed-in	3	3.0"	MAR-10115-SR-B0	Medium and Small Boats

General Information

Rigging Estimate Guide (Diagrams)

Rigging Components

Electrical Components

Engine Accessories

Propellers

Maintenance Items

Oils & Lubes

Detailing & Trailer Supplies

Accessories & Apparel

Generators & Accessories

Propellers

Select Yamaha Outboard Part Numbers to open each product within the **ONLINE STORE**

G Series Propellers for 3.5" Gearcases

Yamaha Models T25, F30, 40, C40, F40, E48, 50, C50, F50, 55, F60

G Series Propellers for Yamaha Outboards

Diameter	Pitch	RH / LH	Series	Hub	Blades	Gearcase	Part Number	Recommended Use
12 1/4	8	RH	Aluminum	pressed in	3	3.5"	63D-45941-00-00	Family, Water Sports, Medium, and Small Boats
12 1/4	9	RH	Dual Thrust™, Aluminum	pressed in	3	3.5"	68U-45941-00-00	Family and Water Sports
12 1/4	9	RH	Aluminum	pressed in	3	3.5"	663-45956-01-00	Family, Water Sports, Medium, and Small Boats
11 3/8	12	RH	Aluminum	pressed in	3	3.5"	69W-45952-00-00**	Family, Water Sports, Medium, and Small Boats
11 5/8	11	RH	Aluminum	pressed in	3	3.5"	69W-45947-00-00**	Family, Water Sports, Medium, and Small Boats
10 5/8	12	RH	Aluminum	pressed in	3	3.5"	6H5-45952-00-00**	Family, Water Sports, Medium, and Small Boats
10 3/8	13	RH	Aluminum	pressed in	3	3.5"	6H5-45945-00-00**	Family, Water Sports, Medium, and Small Boats
11 1/8	13	RH	Aluminum	pressed in	3	3.5"	69W-45945-00-00**	Family, Water Sports, Medium, and Small Boats
10 1/4	14	RH	Aluminum	pressed in	3	3.5"	6H5-45958-00-00**	Family, Water Sports, Medium, and Small Boats
11 1/4	14	RH	Aluminum	pressed in	3	3.5"	663-45958-01-00	Family, Water Sports, Medium, and Small Boats
11 1/4	14	RH	Aluminum	pressed in	3	3.5"	69W-45958-00-00**	Family, Water Sports, Medium, and Small Boats
10	15	RH	Aluminum	pressed in	3	3.5"	6H5-45943-00-00**	Family, Water Sports, Medium, and Small Boats
11	15	RH	Aluminum	pressed in	3	3.5"	69W-45943-00-00**	Family, Water Sports, Medium, and Small Boats
10 3/4	16	RH	Aluminum	pressed in	3	3.5"	663-45949-01-00	Family, Water Sports, Medium, and Small Boats
10 3/4	17	RH	Aluminum	pressed in	3	3.5"	663-45941-01-00	Family, Water Sports, Medium, and Small Boats
10 1/2	10	RH	Performance 3	pressed in	3	3.5"	MAR-GYT3B-03-10	Family, Water Sports, Medium, and Small Boats
10 1/2	11	RH	Performance 3	pressed in	3	3.5"	MAR-GYT3B-03-11	Family, Water Sports, Medium, and Small Boats
10 1/2	12	RH	Performance 3	pressed in	3	3.5"	MAR-GYT3B-03-12	Family, Water Sports, Medium, and Small Boats
10 1/2	13	RH	Performance 3	pressed in	3	3.5"	MAR-GYT3B-03-13	Family, Water Sports, Medium, and Small Boats
10 1/2	14	RH	Performance 3	pressed in	3	3.5"	MAR-GYT3B-03-14	Family, Water Sports, Medium, and Small Boats
10 1/2	15	RH	Performance 3	pressed in	3	3.5"	MAR-GYT3B-03-15	Family, Water Sports, Medium, and Small Boats

**Propeller part numbers beginning with "6H5-" denote propellers with cupped blades. Propeller part numbers beginning with "69W-" denote heavier-duty propellers.

G Series Propellers for Yamaha Outboards Continued...

Diameter	Pitch	RH / LH	Series	Hub	Blades	Gearcase	Part Number	Recommended Use
12	11	RH	Painted Stainless Steel	pressed in	3	3.5"	663-45972-60-00	Family, Water Sports, Medium, and Small Boats
11 3/4	12	RH	Painted Stainless Steel	pressed in	3	3.5"	663-45970-60-00	Family, Water Sports, Medium, and Small Boats
11 1/2	13	RH	Painted Stainless Steel	pressed in	3	3.5"	663-45974-60-00	Family, Water Sports, Medium, and Small Boats
10 1/4	14	RH	Painted Stainless Steel	pressed in	3	3.5"	663-45930-00-00	Family, Water Sports, Medium, and Small Boats
11 1/4	14	RH	Painted Stainless Steel	pressed in	3	3.5"	697-45970-00-00	Family, Water Sports, Medium, and Small Boats
10 1/4	15	RH	Painted Stainless Steel	pressed in	3	3.5"	663-45976-00-00	Family, Water Sports, Medium, and Small Boats
10 1/4	16	RH	Painted Stainless Steel	pressed in	3	3.5"	663-45978-00-00	Family, Water Sports, Medium, and Small Boats



G Series Propellers for Yamaha and Other Outboards

Diameter	Pitch	RH / LH	Series	Hub	Blades	Gearcase	Part Number	Recommended Use
10 1/2	10	RH	Hot Shot	See Hub Charts*	3	3.5"	MAR-10510-HR-CO	Medium and Small Boats
10 1/2	11	RH	Hot Shot	See Hub Charts*	3	3.5"	MAR-10511-HR-CO	Medium and Small Boats
10 1/2	12	RH	Hot Shot	See Hub Charts*	3	3.5"	MAR-10512-HR-CO	Medium and Small Boats
10 1/2	13	RH	Hot Shot	See Hub Charts*	3	3.5"	MAR-10513-HR-CO	Medium and Small Boats
10 1/2	14	RH	Hot Shot	See Hub Charts*	3	3.5"	MAR-10514-HR-CO	Medium and Small Boats
10 1/2	15	RH	Hot Shot	See Hub Charts*	3	3.5"	MAR-10515-HR-CO	Medium and Small Boats
10 1/2	16	RH	Hot Shot	See Hub Charts*	3	3.5"	MAR-10516-HR-CO	Medium and Small Boats
11 3/4	13	RH	Hot Shot For Johnson®, Evinrude®	See Hub Charts*	3	3.5"	MAR-11713-HR-CO	Medium and Small Boats
11 3/4	15	RH	Hot Shot For Johnson®, Evinrude®	See Hub Charts*	3	3.5"	MAR-11715-HR-CO	Medium and Small Boats
11 3/4	17	RH	Hot Shot For Johnson®, Evinrude®	See Hub Charts*	3	3.5"	MAR-11717-HR-CO	Medium and Small Boats
11 3/4	19	RH	Hot Shot For Johnson®, Evinrude®	See Hub Charts*	3	3.5"	MAR-11719-HR-CO	Medium and Small Boats

* All Turbo propellers "G" series (3.5" gearcase diameter and up require a Guardian SQ-LOK™ hub kit or similar universal hub system. (sold separately) Please see the "Turbo Hub Application Charts" beginning on page 5-37 to determine your required hub.

Propellers

Select Yamaha Outboard Part Numbers to open each product within the ONLINE STORE



G Series Propellers for Yamaha and Other Outboards Continued...

Diameter	Pitch	RH / LH	Series	Hub	Blades	Gearcase	Part Number	Recommended Use
12	9	RH	PONTOON 1	See Hub Charts*	3	3.5"	MAR-12009-PR-C0	Family, Water Sports, Medium, and Small Boats
12	11	RH	PONTOON 1	See Hub Charts*	3	3.5"	MAR-12011-PR-C0	Family, Water Sports, Medium, and Small Boats
12	12	RH	PONTOON 1	See Hub Charts*	3	3.5"	MAR-12012-PR-C0	Family, Water Sports, Medium, and Small Boats
12	13	RH	PONTOON 1	See Hub Charts*	3	3.5"	MAR-12013-PR-C0	Family, Water Sports, Medium, and Small Boats
12	15	RH	PONTOON 1	See Hub Charts*	3	3.5"	MAR-12015-PR-C0	Family, Water Sports, Medium, and Small Boats
12	9	RH	PONTOON 1 For Johnson®, Evinrude®	See Hub Charts*	3	3.5"	MAR-12109-PR-C0	Family, Water Sports, Medium, and Small Boats
12	11	RH	PONTOON 1 For Johnson®, Evinrude®	See Hub Charts*	3	3.5"	MAR-12111-PR-C0	Family, Water Sports, Medium, and Small Boats
12	12	RH	PONTOON 1 For Johnson®, Evinrude®	See Hub Charts*	3	3.5"	MAR-12112-PR-C0	Family, Water Sports, Medium, and Small Boats
12	13	RH	PONTOON 1 For Johnson®, Evinrude®	See Hub Charts*	3	3.5"	MAR-12113-PR-C0	Family, Water Sports, Medium, and Small Boats
12	15	RH	PONTOON 1 For Johnson®, Evinrude®	See Hub Charts*	3	3.5"	MAR-12115-PR-C0	Family, Water Sports, Medium, and Small Boats

* All Turbo propellers "G" series (3.5" gearcase diameter and up require a Guardian SQ-LOK™ hub kit or similar universal hub system. (sold separately) Please see the "Turbo Hub Application Charts" beginning on page 5-37 to determine your required hub.

K Series Propellers for 4.25" Gearcases

Yamaha Models T50, C60, E60, P60, T60, 70, F70, P75, C75, E75, F75, F80, 90, C90, F90, F100, 115, C115, F115, P115, 130

K Series Propellers for Yamaha Outboards

Diameter	Pitch	RH / LH	Series	Hub	Blades	Gearcase	Part Number	Recommended Use
13 1/2	9	RH	Talon	SDS™	3	4.25"	6EK-45941-00-00	Family, Water Sports, Medium, Small Boats
13 1/2	10.5	RH	Talon	SDS™	3	4.25"	6EK-45943-00-00	Family, Water Sports, Medium, Small Boats
13 1/2	12	RH	Talon	SDS™	3	4.25"	6EK-45945-00-00	Family, Water Sports, Medium, Small Boats
13 1/2	14	RH	Talon	SDS™	3	4.25"	6EK-45947-00-00	Family, Water Sports, Medium, Small Boats
13 1/2	16	RH	Talon	SDS™	3	4.25"	6EK-45949-00-00	Family, Water Sports, Medium, Small Boats
13 1/8	14	RH	Talon SS	SDS™	3	4.25"	6N7-45970-00-00	Family, Water Sports, Medium, Small Boats
13 1/8	14	LH	Talon SS	SDS™	3	4.25"	6N4-45970-00-00	Family, Water Sports, Medium, Small Boats
13 1/8	16	RH	Talon SS	SDS™	3	4.25"	6N7-45972-00-00	Family, Water Sports, Medium, Small Boats
13 1/8	16	LH	Talon SS	SDS™	3	4.25"	6N4-45972-00-00	Family, Water Sports, Medium, Small Boats
13 1/8	18	RH	Talon SS	SDS™	3	4.25"	6N7-45974-00-00	Family, Water Sports, Medium, Small Boats
13 1/8	18	LH	Talon SS	SDS™	3	4.25"	6N4-45974-00-00	Family, Water Sports, Medium, Small Boats
13 1/8	19	RH	Talon SS	SDS™	3	4.25"	6N7-45976-00-00	Family, Water Sports, Medium, Small Boats
13 1/8	20	RH	Talon SS	SDS™	3	4.25"	6N7-45978-00-00	Family, Water Sports, Medium, Small Boats
13 1/8	20	LH	Talon SS	SDS™	3	4.25"	6N4-45978-00-00	Family, Water Sports, Medium, Small Boats
13 1/8	22	RH	Talon SS	SDS™	3	4.25"	6N7-45930-00-00	Family, Water Sports, Medium, Small Boats
13 1/8	24	RH	Talon SS	SDS™	3	4.25"	6N7-45932-00-00	Family, Water Sports, Medium, Small Boats
14	11	RH	Dual Thrust™, Aluminum	pressed in	3	4.25"	68S-45941-00-00	Family and Water Sports
14	11	RH	Aluminum	pressed in	3	4.25"	6E5-45954-00-00	Medium, and Small Boats
13 5/8	13	RH	Aluminum	pressed in	3	4.25"	6E5-45949-00-00	Medium, and Small Boats
13 5/8	14	RH	Aluminum	pressed in	3	4.25"	6E5-45958-00-00	Medium, and Small Boats
13 1/2	15	RH	Aluminum	pressed in	3	4.25"	6E5-45947-00-00	Medium, and Small Boats
13 1/4	17	RH	Aluminum	pressed in	3	4.25"	6E5-45945-01-00	Medium, and Small Boats
13	19	RH	Aluminum	pressed in	3	4.25"	6E5-45941-00-00	Medium, and Small Boats
12 5/8	21	RH	Aluminum	pressed in	3	4.25"	6E5-45943-00-00	Medium, and Small Boats
13	23	RH	Aluminum	pressed in	3	4.25"	6E5-45952-00-00	Medium, and Small Boats
13	25	RH	Aluminum	pressed in	3	4.25"	6E5-45956-00-00	Medium, and Small Boats
13 1/2	14	RH	Painted Stainless Steel	pressed in	3	4.25"	688-45932-60-00	Family, Water Sports, Medium, Small Boats
13 1/2	16	RH	Painted Stainless Steel	pressed in	3	4.25"	688-45978-60-00	Family, Water Sports, Medium, Small Boats
13	17	RH	Painted Stainless Steel	pressed in	3	4.25"	688-45930-02-00	Family, Water Sports, Medium, Small Boats
13	17	LH	Painted Stainless Steel	pressed in	3	4.25"	6L6-45930-01-00	Family, Water Sports, Medium, Small Boats
13	19	RH	Painted Stainless Steel	pressed in	3	4.25"	688-45970-03-00	Family, Water Sports, Medium, Small Boats
13	19	LH	Painted Stainless Steel	pressed in	3	4.25"	6L6-45970-00-00	Family, Water Sports, Medium, Small Boats

General Information

Rigging Estimate Guide (Diagrams)

Rigging Components

Electrical Components

Engine Accessories

Propellers

Maintenance Items

Oils & Lubes

Detailing & Trailer Supplies

Accessories & Apparel

Generators & Accessories

Propellers

Select Yamaha Outboard Part Numbers to open each product within the ONLINE STORE

K Series Propellers for Yamaha Outboards Continued...

General Information	Diameter	Pitch	RH / LH	Series	Hub	Blades	Gearcase	Part Number	Recommended Use
	13	21	RH	Painted Stainless Steel	pressed in	3	4.25"	688-45972-02-00	Family, Water Sports, Medium, Small Boats
	13	21	LH	Painted Stainless Steel	pressed in	3	4.25"	6L6-45972-00-00	Family, Water Sports, Medium, Small Boats
Rigging Estimate Guide (Diagrams)	13	23	RH	Painted Stainless Steel	pressed in	3	4.25"	688-45974-02-00	Family, Water Sports, Medium, Small Boats
	13	25	RH	Painted Stainless Steel	pressed in	3	4.25"	688-45976-01-00	Family, Water Sports, Medium, Small Boats
Rigging Components	13 1/4	14	RH	Performance 3	pressed in	3	4.25"	MAR-GYT3B-V4-14	Family, Water Sports, Medium, Small Boats
	13 1/4	14	LH	Performance 3	pressed in	3	4.25"	MAR-GYT3B-L4-14	Family, Water Sports, Medium, Small Boats
	13 1/4	16	RH	Performance 3	pressed in	3	4.25"	MAR-GYT3B-V4-16	Family, Water Sports, Medium, Small Boats
Electrical Components	13 1/4	16	LH	Performance 3	pressed in	3	4.25"	MAR-GYT3B-L4-16	Family, Water Sports, Medium, Small Boats
	13 1/4	18	RH	Performance 3	pressed in	3	4.25"	MAR-GYT3B-V4-18	Family, Water Sports, Medium, Small Boats
	13 1/4	18	LH	Performance 3	pressed in	3	4.25"	MAR-GYT3B-L4-18	Family, Water Sports, Medium, Small Boats
Engine Accessories	13 1/4	20	RH	Performance 3	pressed in	3	4.25"	MAR-GYT3B-V4-20	Family, Water Sports, Medium, Small Boats
	13 1/4	20	LH	Performance 3	pressed in	3	4.25"	MAR-GYT3B-L4-20	Family, Water Sports, Medium, Small Boats
Propellers	13 1/4	22	RH	Performance 3	pressed in	3	4.25"	MAR-GYT3B-V4-22	Family, Water Sports, Medium, Small Boats
	13 1/4	22	LH	Performance 3	pressed in	3	4.25"	MAR-GYT3B-L4-22	Family, Water Sports, Medium, Small Boats
	13 1/4	24	RH	Performance 3	pressed in	3	4.25"	MAR-GYT3B-V4-24	Family, Water Sports, Medium, Small Boats
Maintenance Items	13 1/4	14	RH	Performance 4	pressed in	4	4.25"	MAR-GYT4B-V4-14	Bass, Bay, and Flats Boats
	13 1/4	16	RH	Performance 4	pressed in	4	4.25"	MAR-GYT4B-V4-16	Bass, Bay, and Flats Boats
	13 1/4	18	RH	Performance 4	pressed in	4	4.25"	MAR-GYT4B-V4-18	Bass, Bay, and Flats Boats
Oils & Lubes	13 1/4	20	RH	Performance 4	pressed in	4	4.25"	MAR-GYT4B-V4-20	Bass, Bay, and Flats Boats
	13 1/4	22	RH	Performance 4	pressed in	4	4.25"	MAR-GYT4B-V4-22	Bass, Bay, and Flats Boats
	13 1/4	23	RH	Performance 4	pressed in	4	4.25"	MAR-GYT4B-V4-23	Bass, Bay, and Flats Boats
Detailing & Trailer Supplies	14	9	RH	Pontoon Performance	pressed in	3	4.25"	MAR-PNTN3-V4-09	Family, Water Sports, Medium, Small Boats
	14	10	RH	Pontoon Performance	pressed in	3	4.25"	MAR-PNTN3-V4-10	Family, Water Sports, Medium, Small Boats
Accessories & Apparel	14	11	RH	Pontoon Performance	pressed in	3	4.25"	MAR-PNTN3-V4-11	Family, Water Sports, Medium, Small Boats
	14	12	RH	Pontoon Performance	pressed in	3	4.25"	MAR-PNTN3-V4-12	Family, Water Sports, Medium, Small Boats
	14	13	RH	Pontoon Performance	pressed in	3	4.25"	MAR-PNTN3-V4-13	Family, Water Sports, Medium, Small Boats
Generators & Accessories									



K Series Propellers for Yamaha and Other Outboards

Diameter	Pitch	RH / LH	Series	Hub	Blades	Gearcase	Part Number	Recommended Use
13 1/4	14	RH	FX4	See Hub Charts*	4	4.25"	MAR-13414-XR-D0	Bass, Bay, Flats, Medium, and Small Boats
13 1/4	16	RH	FX4	See Hub Charts*	4	4.25"	MAR-13416-XR-D0	Bass, Bay, Flats, Medium, and Small Boats
13 1/4	18	RH	FX4	See Hub Charts*	4	4.25"	MAR-13418-XR-D0	Bass, Bay, Flats, Medium, and Small Boats
13 1/4	20	RH	FX4	See Hub Charts*	4	4.25"	MAR-13420-XR-D0	Bass, Bay, Flats, Medium, and Small Boats
13 1/4	22	RH	FX4	See Hub Charts*	4	4.25"	MAR-13422-XR-D0	Bass, Bay, Flats, Medium, and Small Boats
13 1/4	23	RH	FX4	See Hub Charts*	4	4.25"	MAR-13423-XR-D0	Bass, Bay, Flats, Medium, and Small Boats
13 1/4	24	RH	FX4	See Hub Charts*	4	4.25"	MAR-13424-XR-D0	Bass, Bay, Flats, Medium, and Small Boats
13 1/4	25	RH	FX4	See Hub Charts*	4	4.25"	MAR-13425-XR-D0	Bass, Bay, Flats, Medium, and Small Boats
14	9	RH	PONTOON 1	See Hub Charts*	3	4.25"	MAR-14009-PR-D0	Family, Water Sports, Medium, and Small Boats
14	11	RH	PONTOON 1	See Hub Charts*	3	4.25"	MAR-14011-PR-D0	Family, Water Sports, Medium, and Small Boats
14	13	RH	PONTOON 1	See Hub Charts*	3	4.25"	MAR-14013-PR-D0	Family, Water Sports, Medium, and Small Boats
14	15	RH	PONTOON 1	See Hub Charts*	3	4.25"	MAR-14015-PR-D0	Family, Water Sports, Medium, and Small Boats
14	9	RH	PONTOON 1 For Johnson®, Evinrude®	See Hub Charts*	3	4.25"	MAR-14109-PR-D0	Family, Water Sports, Medium, and Small Boats
14	11	RH	PONTOON 1 For Johnson®, Evinrude®	See Hub Charts*	3	4.25"	MAR-14111-PR-D0	Family, Water Sports, Medium, and Small Boats
14	13	RH	PONTOON 1 For Johnson®, Evinrude®	See Hub Charts*	3	4.25"	MAR-14113-PR-D0	Family, Water Sports, Medium, and Small Boats
14	15	RH	PONTOON 1 For Johnson®, Evinrude®	See Hub Charts*	3	4.25"	MAR-14115-PR-D0	Family, Water Sports, Medium, and Small Boats
13 1/4	13	RH	TURBO 1	See Hub Charts*	3	4.25"	MAR-13213-TR-D0	Family, Water Sports, Medium, and Small Boats
13 1/4	15	RH	TURBO 1	See Hub Charts*	3	4.25"	MAR-13215-TR-D0	Family, Water Sports, Medium, and Small Boats
13 1/4	17	RH	TURBO 1	See Hub Charts*	3	4.25"	MAR-13217-TR-D0	Family, Water Sports, Medium, and Small Boats
13 1/4	19	RH	TURBO 1	See Hub Charts*	3	4.25"	MAR-13219-TR-D0	Family, Water Sports, Medium, and Small Boats
13 1/4	21	RH	TURBO 1	See Hub Charts*	3	4.25"	MAR-13221-TR-D0	Family, Water Sports, Medium, and Small Boats
13 1/4	23	RH	TURBO 1	See Hub Charts*	3	4.25"	MAR-13223-TR-D0	Family, Water Sports, Medium, and Small Boats

* All Turbo propellers "G" series (3.5" gearcase diameter and up require a Guardian SQ-LOK™ hub kit or similar universal hub system. (sold separately) Please see the "Turbo Hub Application Charts" beginning on page 5-37 to determine your required hub.

General Information

Rigging Estimate Guide (Diagrams)

Rigging Components

Electrical Components

Engine Accessories

Propellers

Maintenance Items

Oils & Lubes

Detailing & Trailer Supplies

Accessories & Apparel

Generators & Accessories