



MERCURY
RACING

bakkenmotor.no

**R-SERIES
OUTBOARDS**



IN A WORLD OF LIMITS, CHOOSE FREEDOM

Mercury Racing® is committed to the pursuit of Wide Open™. More than a function of throttle position, Wide Open is an expression of our core philosophy. We recognize no boundaries and accept no compromise. Where others perceive a barrier, we see an opportunity. We create premium marine power to take you faster and farther. We give you control to shatter expectations.

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PUSH EVERY BOUNDARY

Mercury Racing pushes power and performance to the limit so you can live Wide Open. We leverage technology, experience and creativity to craft high-performance marine products that will elevate every aspect of your experience on the water.



R-SERIES OUTBOARDS

THE PINNACLE OF PERFORMANCE

COMPACT BY DESIGN

A 64-degree cylinder configuration is the foundation for a narrow powerhead. Electronics and other engine components are positioned to create the tightest package possible while maintaining good service access. A slim-line cowl is shaped to accommodate 26-inch center-to-center mounting on multi-engine transoms for seamless original-equipment and repower-ready installations.

ENHANCED EXPERIENCES

Mercury Racing technology enhances every aspect of the performance experience. Available Digital Throttle & Shift (DTS) Zero Effort controls deliver instant response with no cables to rig or maintain. Exclusive Idle Charge battery management helps prevent battery drain on boats loaded with power-hungry electronics and audio systems. Adaptive Speed Control (ASC) automatically maintains engine rpm as load changes due to sea conditions, tight turns, tow sports or a lower planing speed, and boat momentum is maintained with less frequent throttle-control adjustments. A powerful belt-driven alternator is designed to run cooler and maintain peak charging performance in the most demanding conditions.

POWER DENSITY

Power density is a key to high performance, and no marine engine delivers more punch in a lighter package than a Mercury Racing R-Series outboard. Every ounce is devoted to Wide Open exhilaration. Class-leading displacement and a proprietary 64-degree powerhead architecture are enhanced by the Mercury Racing Quad Cam Four Valve (QC4) design with double overhead camshafts and aluminum cylinder heads that maximize airflow and power. Mercury Transient Spark Technology applies preprogrammed timing advance to optimize torque output for stronger hole-shot performance.

EFFICIENCY

GO FARTHER, FASTER

LIVE WIDE OPEN.

Mercury Racing is devoted to enhancing every aspect of your performance boating experience. Our R-Series outboards are designed to be turn-key reliable, easy to maintain and to make the most power from every drop of fuel.



ADVANCED RANGE OPTIMIZATION

To squeeze more power from less fuel, naturally aspirated Mercury Racing R-Series outboards feature Advanced Range Optimization (ARO), a closed loop fuel-control system that utilizes electronic sensors to precisely adjust the fuel mixture for the best possible efficiency at all speeds.



RELIABLE DURABILITY

Mercury Racing R-Series outboards are engineered to be durable. Rugged midsections are designed to handle all the high-performance abuse the water can dish out. Superior protection against corrosion begins with the industry's lowest-copper aluminum alloy and exclusive, comprehensive finish treatments. These high-performance outboards are tested, tested and tested again – in the lab and on the water in a never-ending quest to exceed the highest expectations.

WARRANTY

Run Wide Open with confidence backed by a three-year limited factory warranty. Extend that coverage for up to five more years with a Mercury Product Protection (MPP) factory-backed extended service plan.



TOP COWL SERVICE DOOR

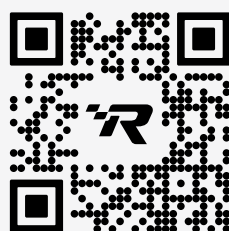
The industry-exclusive Top Cowl Service Door makes routine maintenance more efficient. Just pop it open for regular engine oil checks and top-offs without removing the cowl. An integrated latch and handle simplify removing the cowl for service. Graphic, hour-based maintenance decals under the cowl offer guidance for regular service points.



500R 4.6L V8

THE BENCHMARK

Experience elevated power and technology created exclusively for owners of the fastest luxury sport boats. Producing 500 supercharged horsepower, the Mercury Racing V8 500R features exclusive components in the powerhead, cooling system, midsection, gearcase and steering system, each engineered to harness the raw power produced by this engine and to meet the challenging demands of Wide Open performance boating.



EXPERIENCE THE 500R
[MERCURYRACING.COM/500R](https://mercuryracing.com/500R)



STOUT POWERHEAD

The benchmark in marine power density. A 4.6L V8 powerhead is boosted by an exclusive Mercury Racing supercharger and tuned to deliver more than 500 eager horsepower. A new low-inertia flywheel allows the engine rpm to climb faster for improved acceleration.

Exclusive internal components include a stout crankshaft with upgraded bearing oiling and 1-inch driveshaft splines. Connecting rods, rod bearings and pistons are strengthened to handle increased combustion pressure and a higher 6600 rpm redline. All of this performance is available on pump fuel with a minimum 89-octane (95 RON) rating.



BIGGER BOOST

An exclusive Mercury Racing supercharger delivers 26 percent more boost pressure than previous outboard models. The V8 500R features a new attenuator with a larger intake to accommodate increased airflow demand. The throttle body diameter is increased by 15 percent from 80mm to 92mm, and the shape of the supercharger inlet is designed to improve flow. The charge air cooler fin density and flow pattern are optimized to improve efficiency.



HUMIDITY COMPENSATION TECHNOLOGY

The V8 500R is the first marine engine equipped to monitor the humidity level of incoming air, data the engine computer uses to maintain the most aggressive calibration to optimize performance under virtually all conditions – from the dry cold of desert lakes to the dripping humidity of the Gulf Coast. The result, in the most challenging conditions, is up to 30 additional horsepower than would be available without this technology. Heat and humidity just can't slow down the V8 500R.



ADVANCED RACING CORE (ARC)

The new Advanced Racing Core midsection is engineered to complement the extreme thrust and high-speed capability of the V8 500R outboard. This is the strongest, stiffest and most-durable midsection ever created by Mercury Racing and it is exclusive to the V8 500R outboard.

CORE STRENGTH

A reinforced transom plate, precision-fit heavy-duty stainless steel guide plates and stiffened engine mounts are tuned to stabilize the engine for enhanced high-speed handling. Seven transom mounting holes accommodate 3 inches of vertical adjustment.

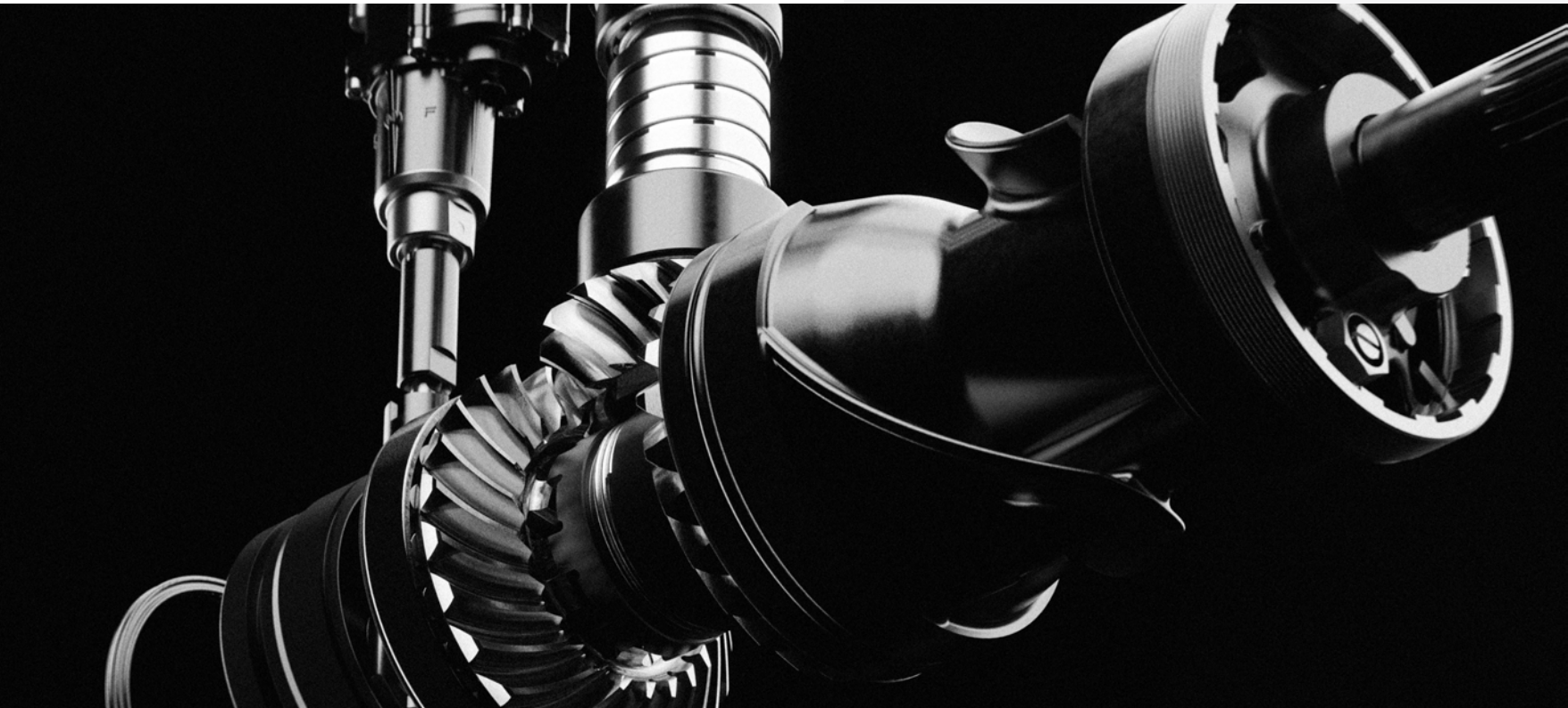
TRIMMED TO PERFECTION

A new trim system features two main hydraulic rams plus two booster rams for added trim authority under full load. Slower trim speed permits very fine resolution for more precise trim adjustment. The hydraulic power steering system has been upgraded to produce 18 percent more torque. A newly designed steering arm, stainless steel steering tube and steering cylinder are 20 percent stronger. The optional rear tie-bar bracket provides an ultra-light mounting point for rock-solid precision steering on catamaran and other high-speed applications.



A CASE FOR SPEED

A new 5.9-inch R-Drive gearcase is exclusive to the V8 500R outboard. Its crescent leading edge and long aspect torpedo are shaped for speed and hydrodynamically engineered to thrive in submerged, semi-surfacing and full surfacing applications. The drive will accept a wide selection of Mercury Racing propellers up to 17-inch diameter.



GEARED FOR POWER

Robust internal components, including a 1-inch diameter driveshaft and stout 1.5-inch diameter prop shaft, are designed to withstand the massive torque produced by the V8 500R. Mercury Racing selected a 1.60:1 gear ratio for both the R-Drive and R-Drive Sport gearcase.

R-DRIVE

R-DRIVE

The R-Drive gearcase is designed to perform in submerged and transition applications on boats capable of speeds between 85 and 100 mph, including high-performance center-console models. A standard-length skeg with a very efficient parabolic cross-section shape is offered with left- or right-hand camber to balance steering force with standard and counter-rotation props.

R-DRIVE SPORT

The R-Drive Sport gearcase is optimized for high-performance catamarans and center-consoles capable of exceeding 100 mph top speed. Its longer, wedge-shaped skeg maintains steering control while operating fully surfaced at high mounting positions. The propshaft is formed in high-strength aerospace stainless steel alloy to better endure the vibratory stress created by a surfacing propeller.

COLOR OPTIONS

Two colors are offered for the Mercury Racing V8 500R model: Phantom Black or Cold Fusion White, both finished with Mercury Racing graphics and Devil Red Eye trim. Additionally, a version is available for custom paint applications; this variant is the V8 500R in Phantom Black, which comes without any applied graphics or trim panel. Graphics and an application mask are included, allowing for installation after custom painting is completed.



4.6L V8 500R	
HORSEPOWER [HP/KW]	500 / 372
MAX WOT RPM	6000 - 6600
ENGINE TYPE	V8 (64 Degree) with 32-Valve Dual Overhead Cam (DOHC)
DISPLACEMENT [LITER/CID]	4.6 / 281
INDUCTION SYSTEM	Supercharged with Charge Air Cooling and Electronic Boost Control
FUEL REQUIREMENTS	Unleaded 89 Octane Minimum (R+M/2) or 95 RON
CHARGING [AMP/WATT]	115 / 1449
THROTTLE & SHIFT	Digital Throttle & Shift
MIDSECTION	Advanced Racing Core
INTEGRATED REAR TIE-BAR BRACKET	Available
SHAFT LENGTHS [INCH]	20, 25, 30, & 35
GEARCASE	R-Drive or R-Drive Sport
GEAR RATIO	1.60:1
DRY WEIGHT ¹ [LB/KG]	726 / 329
WARRANTY ²	3-Year Limited

¹Lightest Model Available
²Up to 5 Years Mercury Product Protection Available



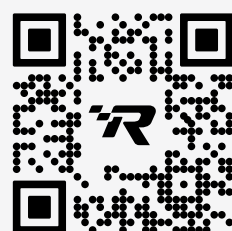
OPTIMIZED FLOW

Low water pickups located below the front of the torpedo plus a new adjustable nose cap inlet dial in ideal water flow for a specific application. The nose cones come in two shapes – one for submerged/semi-submerged applications with several water inlet hole variations, and the other shaped to run in surfacing applications. A new water pump increases capacity 57 percent to ensure optimal flow to the cooling system.

400R 5.7L V10

PURE PERFORMANCE

The Mercury Racing V10 400R offers more low-end torque, more peak horsepower and a higher rpm range than any outboard in its category. This is the perfect prescription for performance center-console boats and catamarans capable of speeds well beyond 75 mph – the potent performance and drivability only Mercury Racing can offer.



EXPERIENCE THE 400R
MERCURYRACING.COM/400R



DEEP-BREATHING QC4

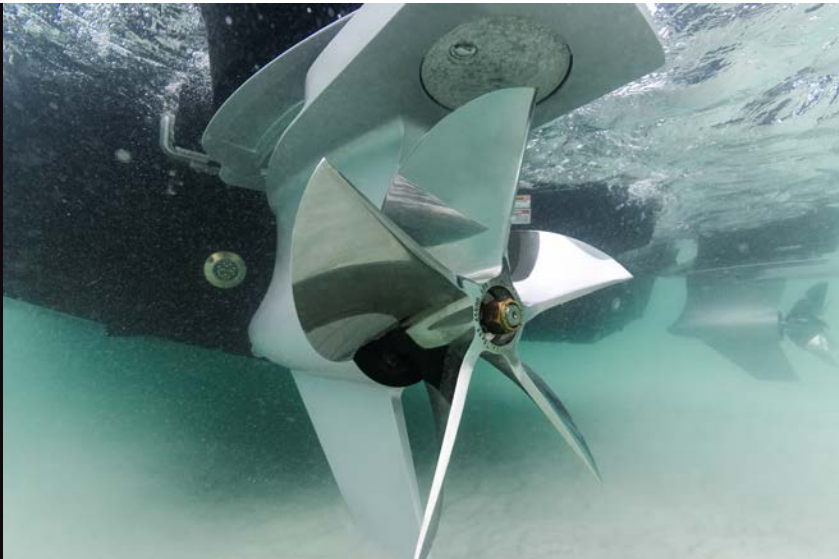
The Mercury Racing Quad Cam Four Valve (QC4) design features double overhead camshafts and four-valve aluminum cylinder heads. A proprietary 92mm throttle body and tuned intake work with the QC4 head to maximize airflow and power.

The exclusive heavy-duty throttle body servo motor is designed to produce instant throttle response, while a Mercury Racing fuel pressure sensor provides precise fueling under acceleration to further enhance performance. A 6000-6600 WOT rpm range enhances peak horsepower and provides a broad window for propping any performance hull type. All of this thrilling power and performance is produced on readily available 87-octane (91 RON) fuel.



RACING AMS

The exclusive Mercury Racing Advanced MidSection (AMS) supports the V10 400R with tight-tolerance heavy-duty guide plates and stiffened engine mounts tuned to stabilize the engine for enhanced high-speed handling. An optional rear tie-bar bracket integral to the Racing AMS provides a strong, ultra-light mounting point for rock-solid, precision steering on catamaran and other ultra-high-speed applications. The Racing AMS isolates the powerhead from the transom to ensure run quality is smooth and quiet at all speeds.



GEARCASE OPTIONS

Two gearcase options are offered for the Mercury Racing V10 400R. The race-proven Sport Master gearcase is a surface-piercing design intended for boats capable of exceeding 85 mph and features low water pickups and a crescent leading edge to maximize speed and efficiency. The Mercury Racing 5.44 HD gearcase option is ideal for heavy bay boats and multi-engine performance center-console boats that require a more submerged gearcase and benefit from added stern lift. Both gearcase options feature a 1.60:1 gear ratio.



COLOR OPTIONS

Two color options are available for the Mercury Racing V10 400R model: Phantom Black and Cold Fusion White, each finished with Mercury Racing graphics and Devil Red Eye trim. In addition, there is a variant designed for custom paint applications; this is the V10 400R in its base color, Phantom Black, provided without any applied graphics or trim panel. For those opting for a personalized look, graphics and an application mask are included, enabling installation after the custom painting process.

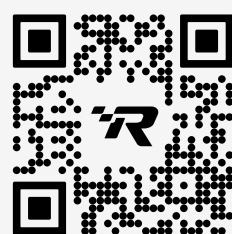
5.7L V10 400R	
HORSEPOWER [HP/KW]	400 / 298
MAX WOT RPM	6000 - 6600
ENGINE TYPE	V10 (64 Degree) with 40-Valve Dual Overhead Cam (DOHC)
DISPLACEMENT [LITER/CID]	5.7 / 349
INDUCTION SYSTEM	Naturally Aspirated
FUEL REQUIREMENTS	Unleaded 87 Octane Minimum (R+M/2) or 91 RON
CHARGING [AMP/WATT]	150 / 1890
THROTTLE & SHIFT	Digital Throttle & Shift
MIDSECTION	Racing Advanced MidSection
INTEGRATED REAR TIE-BAR BRACKET	Available
SHAFT LENGTHS [INCH]	20, 25, 30, & 35
GEARCASE	Sport Master or 5.44" HD
GEAR RATIO	1.60:1
DRY WEIGHT ¹ [LB/KG]	695 / 315
WARRANTY ²	3-Year Limited

¹Lightest Model Available
²Up to 5 Years Mercury Product Protection Available

300R 4.6L V8

FLEX SOME MUSCLE

The V8 300R outboard is tuned up with Mercury Racing components to deliver blistering speed, crisp throttle response, thrilling top-end power and confident control – the perfect match for a variety of high-performance boats. Midsection and gearcase options, as well as tie-bar and steering choices, allow the creation of a near-custom V8 300R configuration to provide optimal performance and ease of installation for most applications, including repower upgrades.



EXPERIENCE THE 300R
[MERCURYRACING.COM/300R](https://mercuryracing.com/300R)

CAMSHAFT / INTAKE / OIL COOLER

Years of Mercury Racing engine-tuning experience have been applied to the V8 300R outboard model. A short-runner intake manifold and high-lift intake camshaft designed specifically for the V8 300R combine to produce quick acceleration. The V8 300R is equipped with stainless steel valves and an oil cooler to better manage engine heat. To maximize top speed and propping options the wide-open throttle (WOT) operating range is extended to 5800-6400 rpm.



RACING AMS

Mercury Racing Advanced MidSection (Racing AMS) features Digital Throttle and Shift (DTS) controls & Mercury power steering. Heavy-duty guide plates and engine mounts stabilize the outboard for enhanced high-speed handling on high-performance, stepped-bottom center-console boats. An optional rear tie-bar bracket integral to the Racing AMS provides a strong, ultra-light mounting point for precision steering on catamaran and other ultra-high-speed applications.



CMS

Mercury Racing Conventional MidSection (CMS) features solid lower mounts, stiffer upper mounts and an integral Tri-Ram trim system. It's available exclusively in a 20-inch shaft length with the Torque Master gearcase for tournament loaded bass boats, or the Sport Master gearcase for ultra-high-speed bass or performance flats boats.

HD CMS

The Mercury Racing HD Conventional MidSection (HD CMS) features heavy-duty forged transom brackets and a robust single-ram trim system with a remote pump, and optional rear tie-bar mounting plates and side steering brackets. Both the CMS and HD CMS are available with DTS or mechanical controls and Mercury power steering options.



COLOR OPTIONS

The Mercury Racing 300R with Racing Advanced MidSection (Racing AMS) is offered in legendary Mercury Phantom Black or Cold Fusion White, with silver AMS and gearcase. The 300R CMS and HD CMS models are Phantom Black with a silver gearcase.



ACCENT PANELS

The standard Devil Red Eye cowl accent panel may be replaced with an optional upgrade to a Graphite Gray or Carbon Fiber panel.

4.6L V8 300R	
HORSEPOWER [HP/KW]	300 / 224
MAX WOT RPM	5800 - 6400
ENGINE TYPE	V8 [64 Degree] with 32-Valve Dual Overhead Cam (DOHC)
DISPLACEMENT [LITER/CID]	4.6 / 279
INDUCTION SYSTEM	Naturally Aspirated
FUEL REQUIREMENTS	Unleaded 87 Octane Minimum (R+M/2) or 90 RON
CHARGING [AMP/WATT]	115 / 1449 - AMS 85 / 1071 - CMS
THROTTLE & SHIFT	Digital Throttle & Shift or Mechanical
MIDSECTION	Racing Advanced MidSection, Tri-Ram or HD CMS
GEARCASE	Torque Master, Sport Master or 5.44" HD
GEAR RATIO ¹	CMS: 1.75:1 or 1.60:1 AMS: 1.85:1 or 1.60:1
DRY WEIGHT ² [LB/KG]	512 / 232
WARRANTY ³	3-Year Limited

¹1.60:1 Gear Ratio Available on Select Sport Master Models
²Lightest Model Available
³Up to 5 Years Mercury Product Protection Available

250R 4.6L V8

NEVER LOOK BACK

Engineered to produce a broad powerband and class-leading top-end horsepower, the V8 250R outboard has the muscle to lift a heavy tournament boat out of the hole plus the deep-breathing power and high-performance components required to reach unprecedented speeds with confidence.



EXPERIENCE THE 250R
[MERCURYRACING.COM/250R](https://mercuryracing.com/250R)



QC4 / LONG-RUNNER INTAKE

Mercury Racing has tuned the V8 250R outboard model to produce the perfect combination of low-end muscle and high-winding horsepower.

A performance-tuned intake runner helps pack more air through the deep-breathing 32-valve dual overhead cam valve train to squeeze more power from the 4.6L V8 engine. Mercury Transient Spark Technology optimizes torque output for stronger hole-shot performance.

POWER STEERING / 87 OCTANE

The Mercury Racing V8 250R delivers a reliable, powerful performance punch on readily available 87-octane fuel. Enhance high-speed control and all-around comfort with optional Mercury power steering. Smooth and precise electronically actuated throttle and shifting matched to manual controls eases repower installations and enables easier application of a foot throttle.

ACCENT PANELS

The standard Devil Red Eye cowl accent panel can be replaced with an optional Graphite Gray panel.

TRI-RAM MIDSECTION / SPORT MASTER

Strong and rock-steady, the Mercury Racing Tri-Ram midsection features solid lower engine mounts and a high-durometer upper mount for enhanced stability and handling at high speeds, critical for confident control in the fastest single-engine applications. The race-proven Sport Master surface-piercing gearcase is designed specifically for speeds greater than 85 mph and features low water pickups and a crescent leading edge to maximize efficiency and velocity. A selection of Mercury Racing propellers are available to dial in performance.

4.6L V8 250R

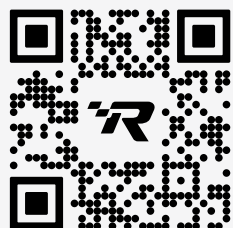
HORSEPOWER [HP/KW]	250 / 186
MAX WOT RPM	5600 - 6200
ENGINE TYPE	V8 [64 Degree] with 32-Valve Dual Overhead Cam [DOHC]
DISPLACEMENT [LITER/CID]	4.6 / 279
INDUCTION SYSTEM	Naturally Aspirated
FUEL REQUIREMENTS	Unleaded 87 Octane Minimum [R+M/2] or 90 RON
CHARGING [AMP/WATT]	85 / 1071
THROTTLE & SHIFT	Mechanical
MIDSECTION	Tri-Ram CMS
GEARCASE	Sport Master
GEAR RATIO	1.75:1
DRY WEIGHT ¹ [LB/KG]	520 / 236
WARRANTY ²	3-Year Limited

¹Lightest Model Available
²Up to 5 Years Mercury Product Protection Available

60R 1.0L L4

COMPACT TORQUE

The Mercury Racing 60R outboard is a brilliant performance solution for technical flats skiffs. This lightweight, compact outboard is a powerhouse tuned and geared to deliver amazing hole-shot acceleration for instant on-plane performance in skinny water. The proven 1.0L powerhead combines outstanding fuel economy with rugged reliability and quiet operation. Get Wide Open without compromise.



EXPERIENCE THE 60R
[MERCURYRACING.COM/60R](https://mercuryracing.com/60R)



MIDSECTION / GEARCASE

The Mercury Racing 60R fits perfectly on a 15-inch transom. Compared to competing 20-inch motors, the 60R offers a lower center of gravity for better boat handling and stability. It can accommodate a lower poling platform while eliminating the need for a jack plate or flared transom. The 4.25-inch diameter high-thrust gearcase accommodates a robust 2.33:1 gear ratio to handle up to 20 percent more prop blade area than a standard gearcase. Its shape also creates additional lift to further boost hole-shot performance and handling.



SPITFIRE XP PROPELLER

The Mercury Racing Spitfire® XP propeller is designed to be the ultimate prop for the 60R. Created to specifically match the power curve, gear ratio and gearcase shape of the engine, the Spitfire XP has a four-blade design and long barrel that combine to deliver the lightning-fast hole shot shallow-water anglers desire. This precision-tuned Mercury Racing Pro Finished® propeller is crafted in Mercury-exclusive X7® stainless steel alloy, then zero-balanced and measured for consistent performance. Offered in 12-inch to 21-inch pitch in 1/2-inch increments to dial in optimal rpm at wide-open throttle.



EXTENDED RPM RANGE

Pushing the WOT range to 6300 rpm maximizes top-end performance and enables more propping options.



LIGHT WEIGHT

Less weight is a critical performance advantage on compact angling skiffs. Less weight on the transom improves hole shot, boat handling and stability.

SMARTCRAFT

Mercury SmartCraft® is built into the 60R to enable Engine Guardian® system monitors and available SmartCraft instruments, Mercury VesselView® and VesselView Mobile, and the Mercury Theft Deterrent System (TDS).



RACING STYLE

Mercury Racing R-Series graphics over a classic Phantom Black finish let the world know this is no ordinary outboard motor. Exclusive handcrafted performance is delivered with singular style.

1.0L L4 60R	
HORSEPOWER [HP/KW]	60/41
MAX WOT RPM	5800-6300
ENGINE TYPE	L4 with 8-Valve Single Overhead Cam (SOHC)
DISPLACEMENT [LITER/CID]	1.0/60.8
INDUCTION SYSTEM	Naturally Aspirated
FUEL REQUIREMENTS	Unleaded Regular 87 Octane Minimum (R+M/2) or 90 RON
CHARGING [AMP/WATT]	18/226
THROTTLE & SHIFT	Mechanical
MIDSECTION	15-inch
GEARCASE	4.88-inch diameter, high-thrust
GEAR RATIO	2.33:1
DRY WEIGHT ¹ [LB/KG]	268/122
WARRANTY ²	3-Year Limited

¹Lightest Model Available
²Up to 5 Years Mercury Product Protection Available

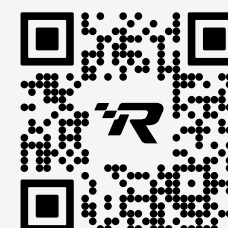


MERCURY RACING PROPELLERS

THE ART OF SPEED

A Mercury Racing propeller is the final critical component of a performance outboard system. Cast from proprietary stainless-steel alloys, hand-finished and zero-balanced by artisan technicians in our prop shop, Mercury Racing propellers offer the ultimate in performance and durability.

PROPELLER ARTISANS HANDCRAFT EACH PROP
INTO PRECISION-TUNED WORKS OF ART.



EXPERIENCE OUR PROPS
[MERCURYRACING.COM/PROPELLERS](https://mercuryracing.com/propellers)

PROFILE SERIES PROPS

PERFORMANCE THROUGH PRECISION

Mercury Racing Profile Series props are offered in designs not available in the stock propeller line, with different barrel lengths, vent holes and 1/2 pitch increments that improve performance in some applications.

X7 ALLOY

Our proprietary X7® alloy is 30 percent stronger and four times more durable than conventional stainless steel and enables prop designs that would be impossible to create with lesser alloys.

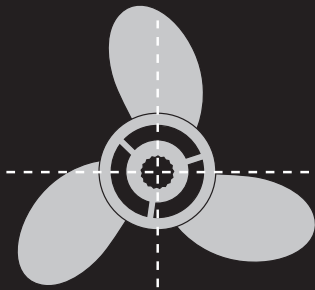


PRO FINISH®

Step up in performance with a prop that's hand finished and fine tuned from a raw stainless steel casting. Each prop is blueprinted with perfectly matching cup heights and a custom blade profile that is slightly thinner on the leading edge than a standard production prop. In most applications a Pro Finish propeller will deliver more rpm and higher top-end speed than a standard production propeller. The result is usually an increase of 2 to 3 mph in top speed and 150 to 200 rpm over a stock prop.

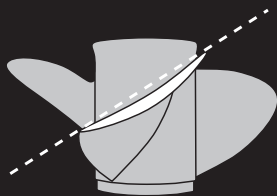
LAB FINISH®

The Mercury Racing Lab Finish process seeks to make certain that every measurable aspect of each blade precisely matches the others, while taking into account the custom dimensions requested by the customer. Each prop is hand-finished to perfection with additional blade thinning to cut through the water with less power-robbing drag and an increase in top-end rpm, which often permits a step up in pitch, with a corresponding increase in top speed. These blueprinted propellers feature perfectly matched blade profiles for consistent multi-engine rpm. This is the ultimate performance propeller for lightweight boats running over 80 mph.



ZERO BALANCE

Balanced by hand to perfection to eliminate vibration and deliver consistent rpm in multi-engine applications.



HALF-INCH PITCH INCREMENTS

Most Mercury Racing propellers are offered in precise 1/2-inch pitch increments you can use to dial in optimal rpm at wide-open throttle.



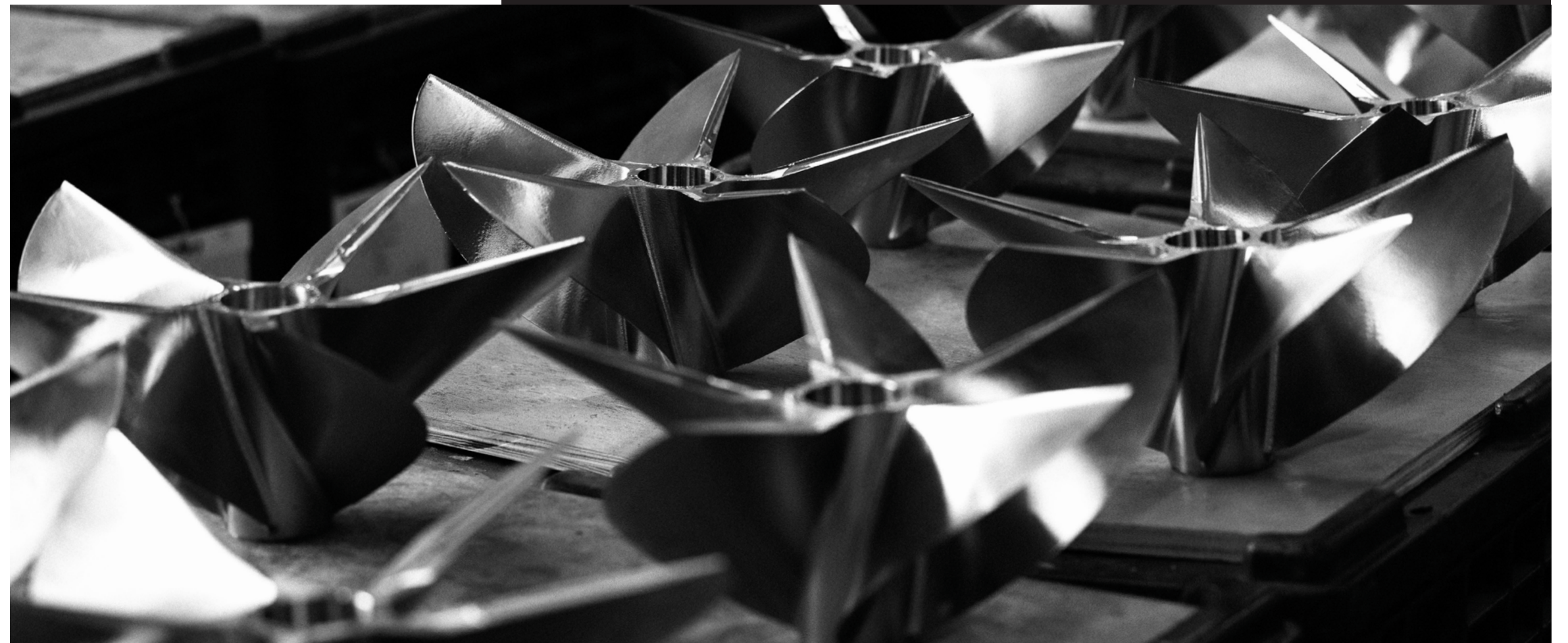
UNMATCHED WARRANTY

Every Mercury Racing propeller carries a one-year limited warranty when used for recreational boating within its maximum power rating on a Mercury Racing engine, coverage that includes not just prop failure but also any damage to the engine, drives or boat as a result of prop failure.

PRECISION SERIES PROPS

RACE SPEC PERFECTION

Mercury Racing Precision Series propellers are custom manufactured with absolute precision. Dial in the perfect combination of pitch, diameter and rake for each application and squeeze every drop of performance from the fastest high-performance and competition powerboats. A proprietary, 5-axis CNC machining process offers unparalleled benefits compared to standard cast propellers. Pitch, diameter and rake are perfectly true on every Mercury Racing Precision Series propeller to ensure that lift, handling and speed characteristics are absolutely consistent.



MADE TO ORDER

Each Precision Series propeller is custom made to order after consultation with Mercury Racing propeller experts. Thousands of pitch, rake and diameter combinations are available to dial in the maximum performance of almost any boat. All Mercury Racing Precision Series propellers carry a one-year warranty that covers the propeller in its entirety and any damage done to other parts if a failure does occur. All props are shipped in the Mercury Racing Propellers Case.

ALWAYS REPEATABLE

The CNC machining process produces perfectly matching prop sets for multi-engine boats. By retaining manufacturing data an exact copy of your ideal propeller can be CNC machined at any time should a spare or replacement be required.

A PERFECT MATCH

The CNC manufacturing process allows Mercury Racing to make very small changes to a prop spec and then save that information so that subsequent props are a perfect match. This ensures that each prop on a multi-engine boat is identical, and that if a replacement prop is ever needed, the boat owner can count on the new prop matching their original.



ABSOLUTE PROPELLER PERFECTION FOR THE MOST DEMANDING CUSTOMERS.

ACCESSORIES



PERFORMANCE ACTIVE TRIM

Performance Active Trim automatically adjusts outboard motor trim angle for optimal performance from hole shot to 50 mph. At speeds in excess of 50 mph, Performance Active Trim provides a seamless hand-off from auto to manual operation to give the operator full control at higher speeds. Five selectable trim profiles allow the operator to personalize Performance Active Trim to a specific driving style and to compensate for changes in boat load and weather conditions. This patented GPS-based control system is designed specifically for use with Mercury Racing outboards equipped with Digital Throttle & Shift (DTS) technology and running with gearcases partially surfaced.



K-PLANE TRIM TABS

Considered the gold standard of trim tab design, Mercury Racing K-Planes® are designed to endure the punishing rigors of offshore racing and the most demanding performance-boat applications. K-Planes feature a heavy-duty, corrosion-resistant aluminum casting with large support ribs for unparalleled durability. Hydraulic trim cylinders maintain position and react immediately to fingertip control from the helm to plane boats faster and keep them level for a safer, smoother ride in a variety of conditions.



JOYSTICK PILOTING

Eliminate the stress of positioning or maneuvering your boat in tough conditions while maintaining, effortless, intuitive control. Mercury Joystick Piloting for Outboards combines throttle, shift and steering control in a single joystick designed for maximum maneuverability at lower speeds. It's part of the complete SmartCraft package, which includes Digital Throttle & Shift, Skyhook® digital anchor, integrated AutoPilot and VesselView® displays.

DIGITAL ZERO EFFORT CONTROLS

Digital Zero Effort Controls replace the lag and hesitation of traditional throttle and shift cables with digital precision, resulting in smooth shifting and instant throttle response. Ergonomic short-throw levers smooth shifting, while corrosion-resistant stainless steel stands up to harsh offshore environments. Digital Zero Effort Controls can provide automatic throttle synchronization and shadow mode for up to six engines (where two levers operate six engines) and go hand in hand with engines equipped with Mercury Joystick Piloting for Outboards (JPO) technology.



VESSELVIEW MONITOR

A Mercury® VesselView display presents more boat system information and engine data than any other system in the boating industry: rpm, speed, fuel flow and efficiency, temperature, trim, and more. Monitor each engine simultaneously on an intuitive “at a glance” screen. Available in four sizes from 4-inch to 9-inch to fit most boat styles and helms, with a bright LCD or touchscreen display and an escalating range of features. All VesselView displays have Active Trim, Smart Tow® and Troll Control interfaces.



PROPELLER CASE

The Mercury Racing Propeller Case features industry leading design and performance, just like the line of Mercury Racing propellers. The Propeller Case ships standard with all new Precision Series CNC Cleaver propellers and is also available for purchase as a standalone. With two different internal fixtures – one for M6 and M8 Drive Cleavers and one for Outboard Cleavers, including any other Flo Torq hub-equipped propeller line – the Propeller Case is designed to protect your investment.





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