



Mercury engine update 2024

# Mercury Marine engines 2024

01

Overview of the engines in use

02

Mercury terminology

03

Mercury Pro XS engine family

04

Mercury V6 CMS 175-225 hp

05

Mercury V8 AMS Verado 250-300 hp

06

Mercury V10 350-400 hp

# Mercury engines in Saxdor portfolio 2024

- Mercury F115 EXLPT Pro XS CT
- Mercury V6 CMS 200 hp
- Mercury V6 CMS 225 hp
- Mercury V8 AMS 300 hp
- Mercury V10 AMS 350 hp
- Mercury V10 AMS 400 hp





# Mercury terminology

- Pro XS: Engine series at Mercury
- Verado: Engine series at Mercury (V8 AMS and V10 AMS)
- EXLPT: Electric Start, 25" shaft, Power Trim
- CT: Command Thrust, 2.38:1 gear ratio (standard F115 2.07:1)
- CMS: Conventional Mid-Section (V6)
- AMS: Advanced Mid-Section (V8 & V10 Verado)
- DTS: Digital Throttle and Shift
- ES: Electrical Steering
- JPO: Joystick Piloting for Outboards (available on Verado engines)
- PB: Phantom Black (engine color)
- CF: Cold Fusion (engine color)

# Mercury Pro XS engine family

- **Mercury F115 EXLPT Pro XS CT** has a generous **2.1L displacement** and **Mercury F150 XL Pro XS 3.0L displacement**
  - This four-cylinder outboard delivers performance you can feel.
  - Mercury Pro XS outboards possess the ideal combination of lightweight engineering and high displacement to maximize power, torque and overall performance
- Largest displacement and best power to-weight ratio in its class
  - The high-displacement Pro XS family generates the torque to get out of the hole quickly and deliver instant throttle response at any speed
- Produces unparalleled torque, acceleration and high-rpm muscle.
- The Mercury Pro XS family features an aggressive graphics package to match its powerful performance specs and brawny voice



# Technical details F115 Pro XS CT & F150 Pro XS

Horsepower	150	115 CT
WOT RPM	5200-6000	5300-6300
Engine Type	Inline-4	Inline-4
Displacement	3.0L	2.1L
Induction	Performance-tuned scroll intake manifold	Performance-tuned scroll intake manifold
Starting	SmartCraft Electric	SmartCraft Electric
Gear Ratio	2.08:1	2.38:1
Alternator	60 amp (756 watt)	35 amp (441 watt)
Trim System	Power trim & tilt	Power trim & tilt
Dry weight*	206 kg	165 kg
Steering	Remote or tiller	Remote or tiller
Shaft Length	20in (508mm)	20in (508mm)
	25in (635mm)	25in (635mm)

\*Lightest version model



# Mercury V6 CMS 175-225 hp

- **Superior torque** from high 3.4L displacement V6 powerhead
- **Lightest weight in compact package for maximum performance** (lightest version dry weight 215 kg)
  - The additional cylinders and greater displacement are delivered in a compact package with 26-inch mounting centers, providing maximum compatibility in repower and multi-engine applications
    - CMS (Conventional Mid Section), new upper design utilizes a robust one-piece that works in harmony with the lower mounts to isolate overall vibration
- **Quicker acceleration** from performance-inspired quad-cam design
- **Maximum fuel efficiency** from Advance Range Optimization (ARO) and closed-loop fuel control
  - ARO improves cruise speed fuel efficiency by automatically adjusting fuel delivery so seamlessly the operator won't feel or hear it.
- **Innovative charging strategy** keeps your batter charged
  - When battery voltage decreases, the engine will automatically increase idle rpm to boost alternator output and recharge low batteries to the proper level, protecting operators from draining their battery while trolling. Class-leading high-capacity, high-power alternator delivers 20 amps at idle and 85 amps total at wide open throttle.



# Mercury V6 CMS 175-225 hp

- ***Smoothest, quietest operation*** through advanced engineering; ***Intuitive, Innovative features***
  - ***Maintain rpm regardless of conditions*** with Adaptive Speed Control
    - With Adaptive Speed Control the Mercury FourStroke maintains a desired rpm regardless of changes in load or condition (such as rough conditions, tight turns, tow sports and lower speeds on plane) without needing frequent adjustments to the throttle lever position – a first for the outboard industry
  - ***Smooth and quiet***
    - Tuned multi-chamber air intake minimizes airborne noise
    - Fuel injector covers reduce high-frequency noise
    - Multi-chamber idle relief system tuned to provide lowest idle noise
    - Upper and lower engine mounts provide the best balance of performance, durability and low vibration
  - ***Maintenance-made-easy*** with industry-exclusive Top Cowl Service Door
    - An industry-exclusive, simplifies routine maintenance with easy oil checks and oil fills without removing the cowl.
    - Easy access: All maintenance points are color-coded and accessible by removing the top cowl.
- Available in ***two different colors***; available in Phantom Black and Cold Fusion



# Technical details V6 CMS 175-225 hp

	225	200	175
Horsepower			
WOT RPM	5200-6000	5000-5800	5000-5800
Engine Type	V6	V6	V6
Displacement	3.4L	3.4L	3.4L
Induction	24-valves, DOHC	24-valves, DOHC	24-valves, DOHC
Starting	SmartCraft Electric	SmartCraft Electric	SmartCraft Electric
Gear Ratio	1.85:1	1.85:1	1.85:1
Alternator	85 amp (1071 watt)	85 amp (1071 watt)	85 amp (1071 watt)
Trim System	Power trim & tilt	Power trim & tilt	Power trim & tilt
Dry weight*	215 kg	215 kg	215 kg
Steering	Hydraulic (standard), Power (option)	Hydraulic (standard), Power (option)	Hydraulic (standard), Power (option)
Shaft Length	20in (508mm)	20in (508mm)	20in (508mm)
	25in (635mm)	25in (635mm)	25in (635mm)
	30in (762mm)		

\*Lightest version model



# NEW Mercury Racing V6 CMS 150R



- Launched in Cannes Boat Show September 2024
- The 150R outboard is **the perfect entry point for sophisticated boaters seeking the refined, luxury performance of Mercury Racing R-Series power.**
- **Smooth and efficient V6 power** coupled with advanced Digital Throttle & Shift (DTS) control capability
  - Digital Throttle & Shift (DTS) controls provide smooth, quiet shifting and instant throttle response, with zero hesitation. Integrated SmartCraft® technologies and intuitive user interface put you in complete command of your adventures.
- The high-displacement, quad-cam design of the 3.4L V6 powerhead generates **serious torque, especially at mid-range, for quick acceleration and exciting speeds.**
- **High-displacement, quad-cam 3.4L V6 powerhead generates serious mid-range torque for quick acceleration and exciting speeds**
  - Sophisticated, vibration-dampening structural design delivers an exceptionally smooth and quiet ride at any speed.
- Mercury Racing Conventional MidSection (CMS) features **standard engine mounts** and is available in 20-inch and 25-inch shaft lengths

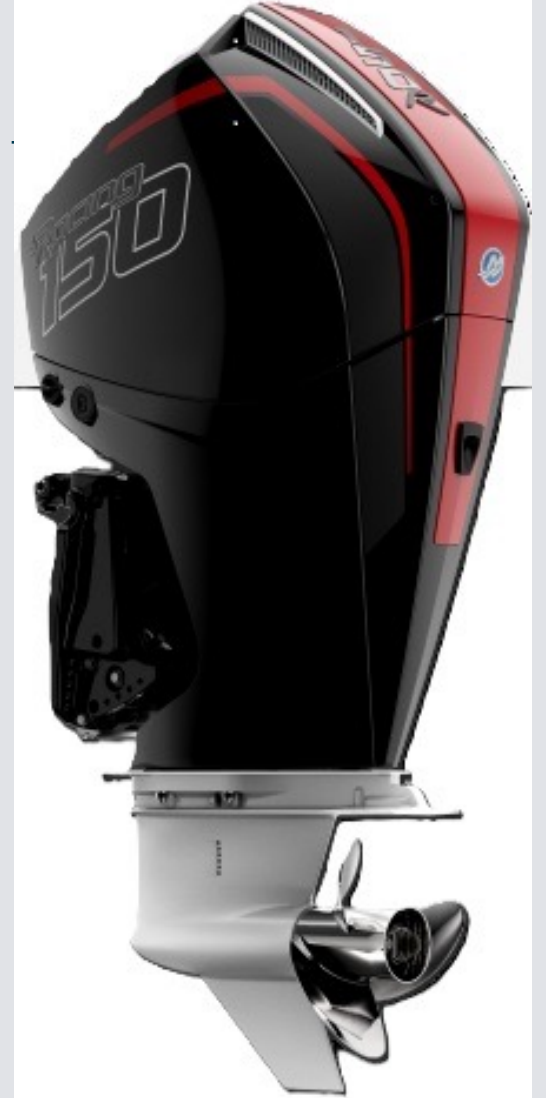


# NEW Mercury Racing V6 CMS 150R

## SPECIFICATIONS

<b>HORSEPOWER</b> (HP/KW)	150/112
<b>WOT RPM</b>	5400-6000
<b>ENGINE TYPE</b>	V6 (64-degree) with 24-valve dual overhead cam (DOHC)
<b>DISPLACEMENT</b> (LITER/CID)	3.4/209
<b>INDUCTION SYSTEM</b>	Performance-tuned long-runner intake manifold
<b>FUEL REQUIREMENTS</b>	Unleaded regular 87 octane minimum (R+M/2) or 91 RON, 10%
<b>CHARGING</b> (AMP/WATT)	85/1071
<b>THROTTLE &amp; SHIFT</b>	Digital Throttle & Shift (DTS)
<b>MIDSECTION SHAFT LENGTH</b>	Conventional MidSection (CMS) with 20-inch (L) or 25-inch (XL)
<b>GEARCASE</b>	4.8-inch
<b>GEAR RATIO</b>	1.85:1
<b>DRY WEIGHT</b> (LB/KG)	L: 475/216; XL: 485/220

**MERCURY**  
**RACING**



# Mercury V8 AMS Verado 250-300 hp

- **Ample torque** from class-leading 4.6L displacement V8 powerhead
  - High efficiency 5.44" gearcase
  - High displacement in a lightweight, compact package with 26" mounting centers, providing maximum compatibility in multi-engine applications.
- V8 Verado engines establish **a new industry benchmark for smooth and quiet operation.**
- **Verado – The ultimate refinement for those that settle for nothing but the best**
  - Best-in-Class NVH (Noise Vibration Harshness) and selectable exhaust
- Superior hole shot and acceleration from **Mercury's proprietary Transient Spark technology** boosts torque as much as 7% by optimizing spark timing and fueling and getting boat on plane quickly
- Range-maximizing fuel economy through **Advanced Range Optimization (ARO)**
  - Improves cruise-speed fuel efficiency by automatically adjusting fuel delivery so seamlessly the operator won't feel or hear it.
  - Patented closed-loop fuel control uses a wide-range oxygen sensor to optimize air-to-fuel ratio during all operating conditions



# Mercury V8 AMS Verado 250-300 hp

- Unrivaled noise and vibration mitigation from next-generation **Advanced Mid-Section (AMS)**
  - Advanced Mid-Section (AMS) allows for exceptional vibration isolation, handling advantages at high boat speed; AMS provides a smooth ride worthy of the Verado name
    - Verado engine is mounted in an auxiliary frame, cradle which allows for a solid steering axis geometry relative to the boat
    - Built-in 4" setback
    - Multi-piece weld reduces weight and size
    - Perimeter mounts provide industry-lowest vibration
    - Sound barrier makes V8 Verado the quietest outboard in its segment.
  - Mercury-engineered **digital controls and electro-hydraulic power steering** for smooth operation
  - Compatible on multi-engine applications with **Mercury Joystick Piloting for Outboards** for maximum maneuverability and control
    - Offers a fingertip control of throttle, shift and steering; move sideways, diagonally or spin the boat on its own axis
    - Improved JPO authority with patented JPO reverse-thrust gearcase muffler while maintaining Verado level idle quality
    - Standard features included in the JPO system: Skyhook, an electronic anchor and exclusive Auto-Heading Auto pilot



# Mercury V8 AMS Verado 250-300 hp

- Enhanced driving experience through **Adaptive Speed Control**
  - With ASC, V8 Verado maintains a desired rpm level regardless of changes in load or condition and without requiring frequent adjustments to the throttle lever position.
- Class-leading **charging output and battery-management**
  - Delivers 20 amp net at idle and 115 amps total at wide open throttle
- Exclusive **Advanced Sound Control** technology
  - Allows user to toggle between ultra-quiet operation and a “throatier” sounding sport mode
  - Provides an unmistakable “Muscle Car” quality crisp sound at low speed operation
- The industry’s only **Top Cowl Service Door makes maintenance easier; designed with maintenance in mind**
  - Simplifies routine maintenance with easy oil checks and oil fills without removing the cowl
  - Graphic, hour-based maintenance decals under the cowl helps user
  - High level of commonality with other Mercury V6 and V10 products
- Available in **two different colors**; available in Phantom Black and Cold Fusion White



# Technical details Mercury V8 AMS Verado 250-300 hp

Horsepower	300	250
WOT RPM	5200-6000	5200-6000
Engine Type	V8	V8
Displacement	4.6L	4.6L
Induction	32-valve DOHC	32-valve DOHC
Starting	SmartCraft Electric	SmartCraft Electric
Gear Ratio	1.85:1	1.85:1
Alternator	115 amp (1449 watt)	115 amp (1449 watt)
Trim System	Power trim & tilt	Power trim & tilt
Dry weight*	272 kg	272 kg
Steering	Integrated electric steering, JPO optional	Integrated electric steering, JPO optional
Shaft Length	20in (508mm)	20in (508mm)
	25in (635mm)	25in (635mm)
	30in (762mm)	

\*Lightest version model



# Mercury V10 AMS Verado 350-400 hp

- The evolution of premium performance; **Mercury V10 engine complete Mercury's high horsepower portfolio** and delivers class-leading features and benefits to consumers
- **Shared architecture with Mercury V6 and V8**; shared features such as Advanced Mid-Section, Adaptive Speed Control, Advanced Range Optimization, electrical steering, JPO, Advanced Sound Control, easy maintenance via top-cowl access
- **First V10 naturally aspirated powerhead with high-displacement, 5.7L**
- Makes tackling tough conditions and moving heavy loads a breeze
- Best in class fuel economy from highest displacement
- **Performance-inspired quad-cam design** propels boats ahead with exceptional speed and acceleration
- **Rugged, engine-specific 6.4" gearcase** optimizes handling and control
  - Improves performance on large boats
  - Large-diameter (18") Revolution X™ prop enhances steering authority, efficiency and acceleration; simplifies docking with higher reverse authority
    - Engineered to maximize fuel economy



# Mercury V10 AMS Verado 350-400 hp

- **Lightweight design maximizes compatibility with current boat designs**
  - Narrow design maximizes transom space on multi-engine vessels
- **Digital Throttle and Shift (DTS) as a standard**, like any other AMS Verado engine
  - Provides premium experience and control
  - Enables smooth acceleration and shifting
  - Joystick Piloting (JPO) for precise maneuvers
- **Class-leading 150-amp alternator** follows Mercury high horsepower engine strategy; alternator swiftly charges battery systems to support onboard electronics
  - When needed the idle charge battery management system works by monitoring battery voltage and adjusting engine rpms at idle to boost alternator output
- Available in **two different colors**; available in Phantom Black and Cold Fusion White



# Technical details Mercury V10 AMS Verado 350-400 hp

Horsepower	400	350
WOT RPM	5800-6400	5800-6400
Engine Type	V10	V10
Displacement	5.7L	5.7L
Induction	Naturally aspirated, performance-tuned intake manifold	Naturally aspirated, performance-tuned intake manifold
Starting	SmartCraft Electric	SmartCraft Electric
Gear Ratio	2.08:1	2.08:1
Alternator	150 amp (1890watt)	150 amp (1890watt)
Trim System	Power trim & tilt	Power trim & tilt
Dry weight*	316 kg	316 kg
Steering	Integrated electric steering, JPO optional	Integrated electric steering, JPO optional
Shaft Length	20in (508mm)	20in (508mm)
	25in (635mm)	25in (635mm)
	30in (762mm)	30in (762mm)
	35in (889mm)	35in (889mm)

\*Lightest version model



