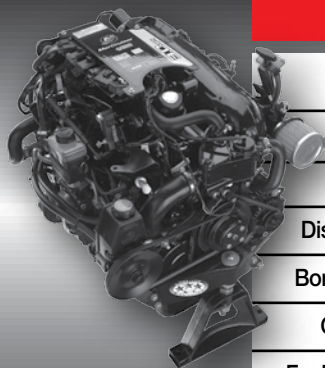


3.0 MPI ECT

Sterndrive



SmartCraft Integrated Marine Technology maximizes performance and delivers a greater sense of security with innovative features.



4-Star C.A.R.B. rating on 87 octane fuel for super ultra low emissions.

SPECIFICATIONS

HP/kW	135 / 99.3
Max RPM (WOT)	4400 - 4800
Cylinders	4 (In-Line)
Displacement (CID/L)	181 / 3.0
Bore X Stroke (in/mm)	4.00 x 3.60 / 101 x 91
Compression Ratio	9.3:1
Fuel/Ethanol Tolerance	87 Octane / up to 10% Ethanol
Fuel Delivery System	Multi-Point Electronic Fuel Injection (MPI)
Fuel Induction System	Single Piece Iron Intake w/ 56mm throttle body
Engine Control System	PCM 09 w/SmartCraft CAN Capability, OBD-M Diagnostics, O2 Sensors
Ignition System	Crank Fired High Voltage w/ Knock Control
Charging (Amp/Watt)	65 / 917 Alternator
Water Drain System	Quick-Disconnect Drain Hoses with Flush Feature
Exhaust System	EDP Coated Iron Manifold w/dry-joint elbow
Cooling System	Thermostatically Controlled, raw water
Accessory Drive System	V- Belt
Recommended Oil	Mercury MerCruiser Full Synthetic 20W-40W, NMMA FCW Rated
Engine Guardian System	Overheating, Low Voltage, Over-Rev & Low Drive Lube
Dimensions (LxWxH) in	29 x 26 x 21
Dimensions (LxWxH) mm	730 x 660 x 533
Weight w/Alpha (lbs/kg)	689 / 313
Optional Freshwater Cooling	Available
Digital Throttle & Shift	N/A

KEY ATTRIBUTES

✓ **Sequential Multi-Port Fuel Injection**

Precisely outlines the exact amount of fuel for all driving conditions.

Benefits:

- Easy starts, regardless of temp.
- Smooth, stable idling.
- Better throttle response.
- Increased fuel efficiency.
- Reduced cost of operation.

✓ **Cool Fuel Module**

Water cooled fuel delivery system provides hi-PSI fuel to the injectors.

- Cools fuel to prevent vapor lock
- Spin-on type water separating fuel filter helps protect the engine and fuel system

Reliability with Ease of Maintenance.

✓ **High Output Alternator**

65 Amps @ Maximum RPM 38 Amps @ idle.

Provides battery charging on demand allowing use of electronics, alarms & other accessories. **Dependability.**



✓ **Drive Lube Monitor**

Easy-to-see translucent bottle for checking level of gearcase lubricant with audible level warning.

Provides drive protection and simple maintenance.

✓ **Exclusive Engine Guardian**

Senses potential problems and virtually eliminates the chance for engine or drive damage due to overheating, low oil pressure or low drive lubricant. **Protects your Investment.**

KEY ATTRIBUTES

✓ **Dry-Joint Exhaust Design**

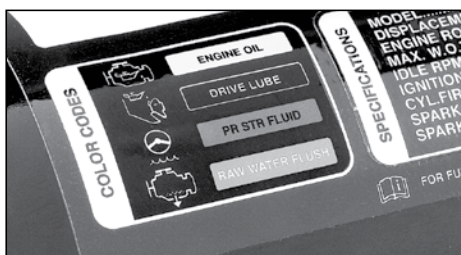
Separates cooling water & exhaust at junctions to prevent water leaks from reaching critical engine components.

Long-Term Endurance with built-in Reliability

✓ **Color-Coded Service Points**

Allows easy checking of fluids levels and convenient filling of reservoirs.

Ease of Ownership.



✓ **Easy-Maintenance Features**

Front Mount Oil Dipstick

- Easy remove / replace design
- Fitting allows oil to be pumped out

Front Mount Oil Fill

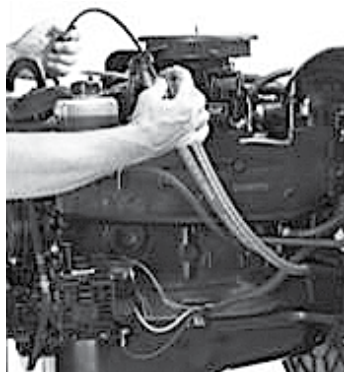
Easy Access Spin-On Type Oil Filter

Convenient to use and Easy to service.

✓ **Convenient Water Drain & Flush system**

Simplifies periodic maintenance and allows boaters to extend their boating season into the cooler months.

Ease of Ownership.



ADDITIONAL FEATURES / BENEFITS

MerCruiser's ECT Technology	Multiport Fuel Injection (MPI) PCM09 Control module Catalyst System (Exhaust Manifolds) Dual Oxygen sensors This system provides excellent performance while producing Super Ultra-Low emissions levels.
In-Line 4-Cylinder	GM cast iron base engine with single-piece intake/exhaust manifold for long life and proven durability .
High Voltage Ignition	High energy ignition with knock control provides instant starts and more power for performance.
SmartCraft	Delivers information regarding key engine functions from fuel usage, RPM & engine guardian to slow trolling RPM control
EDP (Electro- Deposition Paint) Coating	Featured on the Exhaust manifolds, risers, elbows & Thermostat housings add to corrosion endurance of these components
Power Steering	Reduces steering effort and provides enhanced hull control at all boat speeds

AVAILABLE DRIVES**Alpha, Bravo One, Bravo Two, Bravo Three**

Visit **mercurymarine.com** for details
on the best performing drives in the world.