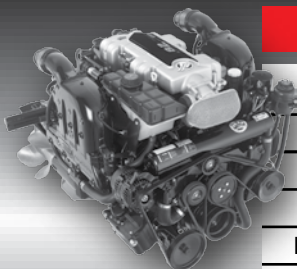


8.2 MAG ECT

Sterndrive



For full details on this complete corrosion protection system see page 24-27.



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



Digital Throttle & Shift utilizes cable-less operation which eliminates helm maintenance and gives instant throttle response.

SPECIFICATIONS

HP/kW	380 / 283
Max RPM (WOT)	4400 - 4800
Cylinders	V 8
Displacement (CID/L)	502 / 8.2
Bore X Stroke (in/mm)	4.47 x 4.00 / 113.5 x 101.6
Compression Ratio	8.75:1
Fuel/Ethanol Tolerance	87 Octane / up to 10% Ethanol
Engine Control System	PCM 09 w/SmartCraft CAN Capability OBD-M Diagnostics & O2 Sensors
Fuel Delivery System	Gen III Cool Fuel
Fuel Injection System	Multi-point Electronic Fuel Injection (MPI)
Induction System	High Inertia Induction System
Ignition System	Distributorless Ignition w/Knock Control
Charging (Amp/Watt)	65 / 917 Alternator
Water Drain System	Single Point Air Actuated
Exhaust System	Tuned Runner Exhaust Manifolds w/316 Stainless Steel Tubular Dry Joint Elbows
Cooling System	Closed Cooling, Long Life 5-Year Anti-freeze, Brass Sea Water Pump
Accessory Drive System	Serpentine Belt, Auto-Tensioner
Recommended Oil	Mercury MerCruiser Full Synthetic 20W-40W, NMMA FCW Rated
Engine Guardian System	Low oil pressure, high coolant temperature, low seawater pressure, low voltage, over- rev control, knock control, high exhaust manifold, temperature, low drive lube
Dimensions (LxWxH) in	35 x 33 x 24
Dimensions (LxWxH) mm	878 x 838 x 610
Weight w/Alpha (lbs/kg)	N/A
Weight w/Bravo One (lbs/kg)	1391 / 631
Weight w/Bravo Two (lbs/kg)	1404 / 637
Weight w/Bravo Three (lbs/kg)	1414 / 641
Full Closed Cooling	Standard
Digital Throttle & Shift	Optional

KEY ATTRIBUTES**✓ Sequential Multi-Port Fuel Injection**

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

Benefits:

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

✓ Exclusive GEN III Cool Fuel Module

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

- Cools fuel to prevent vapor lock
- Contains water/fuel separating filter

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, alerts operator and even reduces engine power when needed. **Peace of Mind; protects your investment.**

Vital functions monitored:

- High Manifold Temperature
- Low Oil Pressure
- Engine Temperature
- Low Drive Lube
- Low Seawater Pressure
- Low Voltage
- Over-Rev Control
- Knock Control

KEY ATTRIBUTES

✓ **Dry-Joint Exhaust Design**

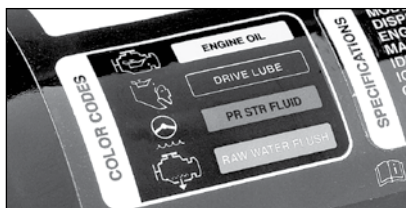
Separates cooling water & exhaust at junctions to prevent water leaks from reaching critical engine components.

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**

Top Mount Oil Dipstick

- Easy to remove or replace
- Fitting allows oil to be pumped out

Front Mount Oil Fill

Top/Front Mounted Oil Filter

Convenient to use and Easy to service.



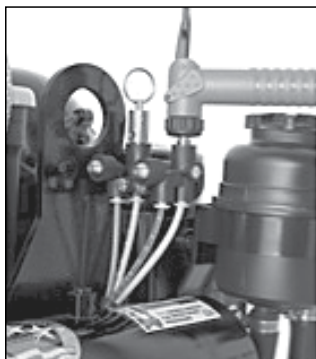
✓ **Convenient Air Actuated Water Drain System**

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

✓ **Full Closed Cooling**

Efficient and durable cooling system.

Improved durability.



ADDITIONAL FEATURES / BENEFITS

MerCruiser's ECT Technology	Multiport Fuel Injection (MPI) PCM09 Control Module Catalyst System (Exhaust Manifolds) Dual Oxygen Sensors on each manifold This system provides excellent performance while producing Super Ultra-Low emission levels
Mercury's Racing V8 Heritage	Large displacement block with the high inertia intake system for delivering torque for strong acceleration and handling heavy loads.
Distributorless Ignition	Computer controlled spark, for more power with a knock. circuit to protect engine from poor quality fuels.
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, elbows & thermostat housings add to corrosion endurance of these components.
Power Steering	Reduces steering effort and provides enhanced hull control at all boat speeds.
MerCathode Corrosion Protection	Standard on Bravo models, available on Alpha models. This active cathodic corrosion protection system feeds electrons to underwater hardware and drive units.

AVAILABLE DRIVES

Bravo One X, Bravo Two X, Bravo Three X, Bravo One XR, Bravo Three XR

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