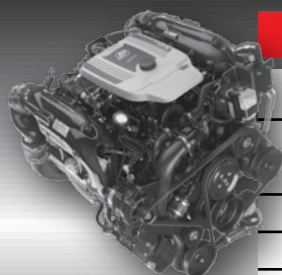


# 377 MAG ECT

## Sterndrive



**SEACORE**  
system

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	320 / 235
Max RPM (WOT)	4800 - 5200
Cylinders	V 8
Displacement (CID/L)	377 / 6.2
Bore X Stroke (in/mm)	4.00 x 3.75 / 101 x 95
Compression Ratio	9.0:1
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	2 Piece Long Runner Intake w/75mm throttle body (80mm w/DTS)
Ignition System	Crank Fired High Voltage Switch w/Knock Control
Charging (Amp/Watt)	65 / 917 Alternator
Water Drain System	3 Point Manual (Bravo)
Exhaust System	EDP Coated Iron Manifold w/ Dry Joint Elbow
Cooling System	Thermostatically Controlled, Raw Water
Accessory Drive System	Serpentine Belt
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
Dimensions (LxWxH) in	32 x 30 x 22
Dimensions (LxWxH) mm	814 x 740 x 559
Weight w/Alpha (lbs/kg)	N/A
Weight w/Bravo One (lbs/kg)	1117 / 507
Weight w/Bravo Two (lbs/kg)	1132 / 513
Weight w/Bravo Three (lbs/kg)	1142 / 518
Freshwater Cooling	Standard on SeaCore Model
Digital Throttle & Shift	Optional

## 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.*

### ✓ **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:**

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

## KEY ATTRIBUTES

### ✓ **Dry-Joint Exhaust Design**

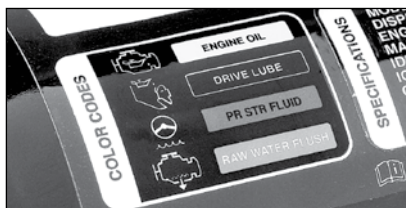
Separates cooling water & exhaust at junctions to prevent water leaks from reaching critical engine components.

*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.*



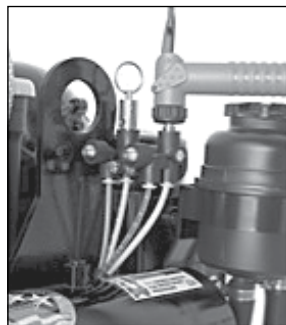
### ✓ **Convenient Water Drain Systems**

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

### ✓ **High-Displacement Brass Seawater Pump**

Increases cooling system capacity, more resistant to wear.

*Improved durability.*



## ADDITIONAL FEATURES / BENEFITS

<b>MerCruiser's ECT Technology</b>	<p>Multiport Fuel Injection (MPI) PCM09 Control Module Catalyst System (Exhaust Manifolds)</p> <p><b>Dual Oxygen Sensors on each manifold</b></p> <p>This system provides excellent performance while producing Super Ultra-Low emission levels</p>
<b>Proven V8 Durability</b>	<p>GM cast iron base engine with long intake runner manifold for better acceleration and handling heavy loads.</p>
<b>High Voltage Ignition</b>	<p>High energy ignition with knock control provides instant starts and more power for performance.</p>
<b>SmartCraft</b>	<p>Delivers information regarding key engine functions from fuel usage, RPM &amp; engine guardian to slow trolling RPM control</p>
<b>EDP (Electro- Deposition Paint) Coating</b>	<p>Featured on the Exhaust manifolds, risers, elbows &amp; Thermostat housings add to corrosion endurance of these components</p>
<b>Power Steering</b>	<p>Reduces steering effort and provides enhanced hull control at all boat speeds</p>
<b>MerCathode Corrosion Protection</b>	<p>Standard on Bravo models, available on Alpha models. This active cathodic corrosion protection system feeds electrons to underwater hardware and drive units.</p>

## AVAILABLE DRIVES

**Alpha, Bravo One, Bravo Two, Bravo Three**

Visit **[mercurymarine.com](http://mercurymarine.com)** for details  
on the best performing drives in the world.