



## SEA CREATURE SPORT FISHING CHARTER BOAT

MARINE PRODUCTS

First user to install the Twin Disc EC600PC gives enthusiastic thumbs-up  
After more than a decade using EC300 electronic controls, Captain Steve Coulter agreed to test the new EC600PC—and says it reflects “the incredible commitment Twin Disc has to making things go better.”



<b>Vessel:</b>	Sea Creature, a 58-foot sport fishing charter boat
<b>Builder:</b>	Leonard Rigsbee, 2002
<b>Agent:</b>	AMAT Engineering
<b>Power:</b>	Two 700 horsepower diesel engines
<b>Controls:</b>	Twin Disc EC600PC electronic propulsion control system
<b>Location:</b>	Hatteras Village, North Carolina



### Situation

Captain Steve “Creature” Coulter has worked closely with Twin Disc engineers for more than 15 years, testing various controls solutions on Sea Creature, his charter fishing vessel. “A gent I worked with had EC300 controls,” he says. “I ran his boat for him when Twin Disc came to do the testing—and I said, ‘Make my stuff work like this!’” Sea Creature was the first boat to use EC300 with non-QuickShift® transmissions, leading to a new configuration for standard MG units. And recently it became the first to operate with our new EC600PC.

### Implication/Problem

Twin Disc wanted to bring a new level of vessel control and installation flexibility to all marine applications. Our engineers focused on creating a marine control system that delivers as many advantages as possible for vessel design, boat building and on-the-water performance—enhancing value and productivity.

### Solution

A prototype EC600PC electronic propulsion control system was installed on Sea Creature for nearly two years of testing and validation. Says Coulter, “I’d tell the engineers what I liked and what I didn’t like. They’d go back to the drawing board, make some changes, and come test it again. They want this product to be right.”

### Results

With the controller prewired and mounted directly to the transmission, the EC600PC is the simplest control system to install, eliminating remote mounting and extra wiring, minimizing labor costs and saving engine room space. “It went from more than a dozen wires to just four—two from the EC600PC to the bridge, and two to the engines,” Coulter says. “That’s about a hundred pounds of wires I don’t have to carry anymore, which also makes the boat more efficient.”

The system includes SmartChip™, which brings unprecedented intelligence to optimize propulsion system performance, storing and maintaining service information and operating profile data. Coulter says better feedback from the digital display supports timely, cost-effective maintenance. “I know when it’s time to change the clutch oil. I can monitor transmission pressures and know when to change the filter.”

And the EC600PC provides the ultimate in positioning options. “I have more control, especially in slow troll mode,” Coulter says. With precise propulsion and maneuvering control for water, wind and other conditions, Coulter and his crew can make sure customers enjoy a fishing trip that’s productive, fun and comfortable.

Coulter says he’s delighted with the EC600PC—and always ready to test new Twin Disc products. “I have that much faith in them. Twin Disc is an incredible company to work with.”

EC600PC electronic propulsion control systems deliver essential benefits:

- EJS® and EPS ready
- Dynamic positioning (DP) integration ready
- Independent CAN station busses provide maximum redundancy and reliability
- Additional isolated CAN bus for communication between multiple EC600PCs
- Dual power inputs
- Computer-based setup and diagnostics
- Fault/event logging with expanded data, plus a SmartChip™ that records service, operation and fault data
- Shaft brake control interface
- Stabilizer disable interface
- Station lockout and transfer options
- Operates with EC300 digital control heads
- RoHS compliant
- Suitable for up to six shaft lines and six control stations
- Type approvals and unit certification by major marine survey societies is available

*“It’s a good-looking package, very compact and pretty much plug-and-play. I get better feedback from the digital display and have more control, especially in slow troll mode... Twin Disc is an incredible company to work with.”*

Captain Steve Coulter  
Sea Creature