

EC600 PC



# EC600 PC

PROPULSION CONTROL SYSTEM



# THE **EC600PC** BRINGS A NEW LEVEL OF **VESSEL CONTROL, FUNCTIONALITY, AND INSTALLATION FLEXIBILITY** TO ALL MARINE APPLICATIONS



From vessel design to boat-builder implementation to on-the-water performance, no other marine control system offers as many advantages to all marine audiences—enhancing boat value, performance, and productivity.

## **IT CONQUERS SPACE**

This compact, streamlined control module requires only minimal cabling and allows for easier design integration and faster, lower-cost installation. The smaller size and transmission-mounted design permit greater flexibility and space for installing other below-deck equipment. The ease and economy of incorporating the EC600PC into virtually any vessel also contribute to system reliability, reduced maintenance and simplified servicing.

*The robust technology of the EC600PC provides the most expansive, flexible and customizable functionality ever offered the marine industry.*

## **KNOWLEDGE-BASED OPERATING PROFICIENCY**

If you can't measure performance, you can't manage it. Twin Disc's SmartChip™ monitors and records propulsion system data established by the operator's unique application parameters. Analyzing this performance history allows evaluating and adjusting criteria to optimize boat performance and anticipate service intervals. Factory settings can be recovered at any time.



**WE PUT HORSEPOWER TO WORK®**

# THE ULTIMATE MISSION CONTROL

## SYSTEM REDUNDANCY

Twin Disc prioritizes operating reliability by building in robust system redundancy. Dual-station bus distributes control via the two available station busses to provide redundant control capability in case one station bus fails or is interrupted. While you may never need such thorough system redundancy, it's better to have it and not need it than not have it and need it.

## STATION TRANSFER OPTIONS

The ability to instantly go to the most advantageous station for any given maneuvering situation provides efficient and safer operation. The EC600PC puts the operator eyes-on and hands-on in the right place at the right time.

## FLEXIBLE CRAFT SIZE AND POWERTRAIN OPTIONS

The EC600PC can consolidate remarkable electronic propulsion control for up to six shaft lines and six control stations. Whatever the mission objectives or operating conditions of your craft, the EC600PC offers the modular control system to fit all your needs.



System example shows a non-redundant setup for a twin engine installation with two stations.



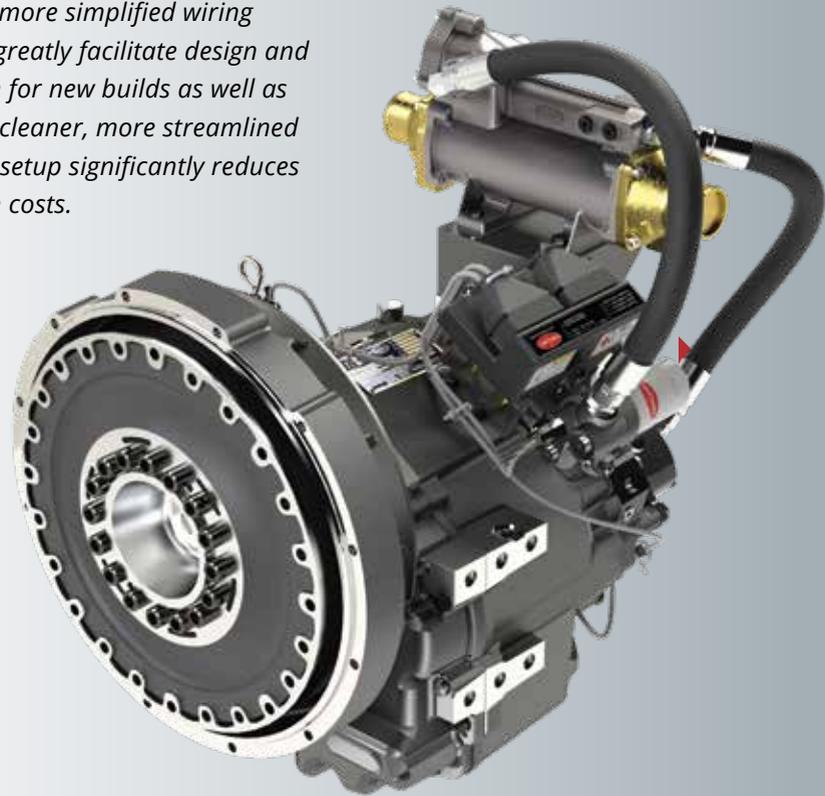
# EC600PC

## DISCOVER MORE CAPACITY

*Since the EC600PC is compactly mounted directly to the transmission and doesn't require a separate, remote, freestanding box, it requires less engine-room space.*

### NEW MEANING TO "PLUG & PLAY"

*Fewer and more simplified wiring harnesses greatly facilitate design and installation for new builds as well as retrofits. A cleaner, more streamlined and easier setup significantly reduces installation costs.*



### THE MANAGEMENT SUITE

The EC600PC combines a range of modes to manage virtually any circumstance. Cruise, Sync, Express and Troll modes give precise propulsion and maneuvering control for water, wind and other conditions. Express Joystick and Dynamic Positioning are integration ready. The EC600PC provides the ultimate maneuvering and positioning control options.

### COMPUTER-BASED SETUP AND DIAGNOSTICS

Minimal manual setup and the SmartChip interface facilitate system installation—during the build or even after delivery. Plus, system configuration usually requires only keyboard strokes rather than wrenches.

### SHAFT-BRAKE INTERFACE

Instant electronic braking or full lockdown of shaft lines, when a shaft brake is present, adds a significant measure of boat responsiveness and maneuvering safety.

### STABILIZER DISABLE INTERFACE

Easy push-button deactivation of stabilizer fin prevents having to forcefully override stabilizing dynamics during docking maneuvers.



Explore all of Twin Disc's marine power transmission solutions.

## UNIVERSAL INTERFACE FOR ALL ELECTRONICALLY-GOVERNED ENGINES

We designed the EC600PC to enhance the control characteristics of virtually any contemporary marine engine. Any boat builder, owner or operator can stay with their favorite powertrain and optimize its performance.

### NOT THE PROVERBIAL CHIP OFF THE OLD BLOCK

*The transmission-embedded SmartChip brings unprecedented system intelligence and self-awareness to optimize propulsion system performance, serviceability and maintenance.*

- Stores fundamental transmission specs such as serial number, ratio, tooth counts, operating limits, etc.
- Configures the EC600PC transmission parameters
- Can incorporate application-specific parameters
- Maintains service information
- Records and stores vessel-specific operating profile data



**From boat design and build to owner/operator value and performance, the EC600PC will become the new standard of vessel control.**





**WE PUT HORSEPOWER TO WORK®**

THE TWIN DISC FAMILY OF PRODUCTS



**POWER COMMANDER™**



**EXPRESS  
JOYSTICK SYSTEM®**



**EXPRESS  
POSITIONING®**



**MASTERTRIM™**

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