

BOAT WORLD EVOLUTION

DYNAMIC TRIM CONTROL SYSTEM

SERIES E

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ZIPWAKE

CHOOSE COMFORT. ENJOY PERFORMANCE.

BOAT WORLD EVOLUTION

The Dynamic Trim Control System Series E is an evolved version of the successful Series S that incorporates a state-of-the-art family of large durable, fast-acting Interceptors perfectly engineered for bigger boats, from 40-100 ft. Unique 3D controls with a large display provide the helmsman with unmatched, user-friendly, intuitive and precise control of running trim, heel or heading. The system is fully automatic and significantly enhances the boat's performance, fuel economy, comfort and safety.

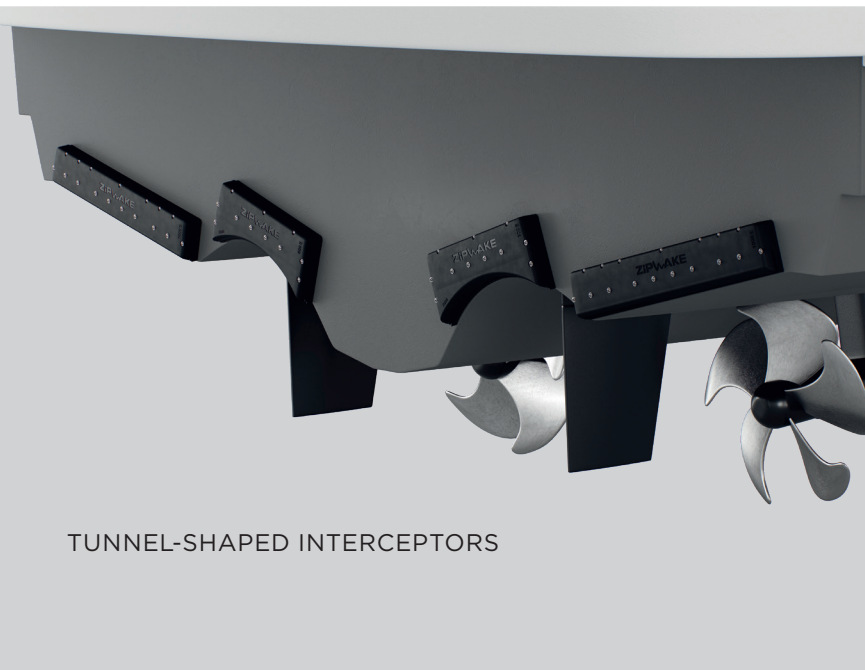
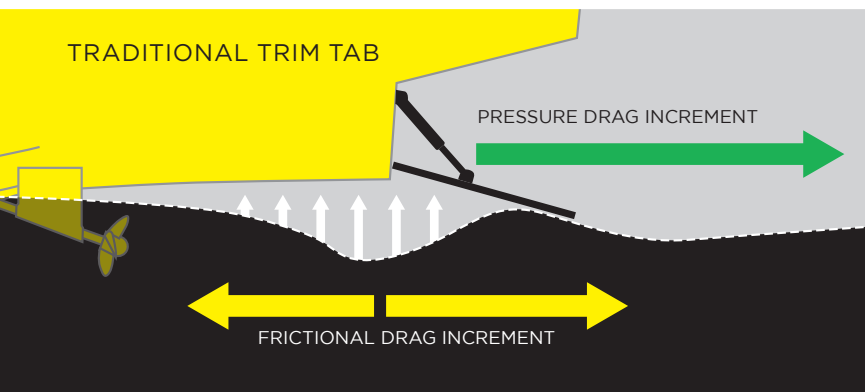
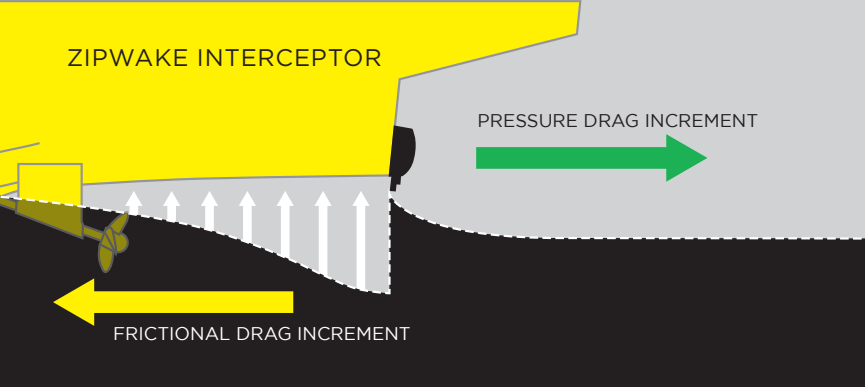


KEY FEATURES



- **COMFORT AND SAFETY**
Dynamically eliminates uncomfortable and dangerous boat pitch and roll.
- **PERFORMANCE AND FUEL ECONOMY**
Automatically minimizes wave resistance and saves fuel.
- **INTUITIVE AND PRECISE CONTROL**
Innovative 3D controls provide unmatched control of running trim, heel or heading.
- **DURABLE AND EFFECTIVE**
Patented series of large, durable fast-acting interceptors provide supreme lift force characteristics.
- **COMPLETE AND COMPETITIVE**
All-inclusive mass-produced modular design provides built-in quality, simple installation and easy expansion, while making the system affordable.
- **EXTERNAL MONITORING AND SYSTEM CONTROL**
The system can be monitored and/or controlled from external devices, e.g. multifunction displays or plotters via its NMEA 2000® interface.
- **CONFIGURABLE LIFT FORCE ALLOCATION**
The Series E system allows customized allocation of control forces by setting active or inactive control of pitch, roll and yaw for each pair of port and starboard interceptors. A pair's function may also be swapped e.g. to mitigate roll-induced steering forces from another interceptor pair or pairs.

For more information, please visit
www.zipwake.com



INTERCEPTORS VS TRIM TABS

Series E is a family of large, fast-acting interceptors that includes three straight, three tunnel and two chine models. Their blade rate and stroke are 40 mm/s and 60 mm respectively. This means plenty of lift force without delay, outperforming conventional trim tabs' control rate by a factor of 10.

When arranged to fully or near fully use the otherwise unutilized part of the beam for lift generation, the Series E interceptors are much more efficient at creating lift compared to narrow-span trim tabs.

The large, modular design made for mass production means the interceptors are durable, affordable and particularly well adapted to any planing or semi-planing boat between 40-100 ft.

CHINE INTERCEPTORS FOR MAXIMUM LIFT

Chine interceptors provide a unique means of maximizing pitch and roll motion control by utilizing the furthest out-board surfaces of the hull bottom for lift generation and roll reduction.

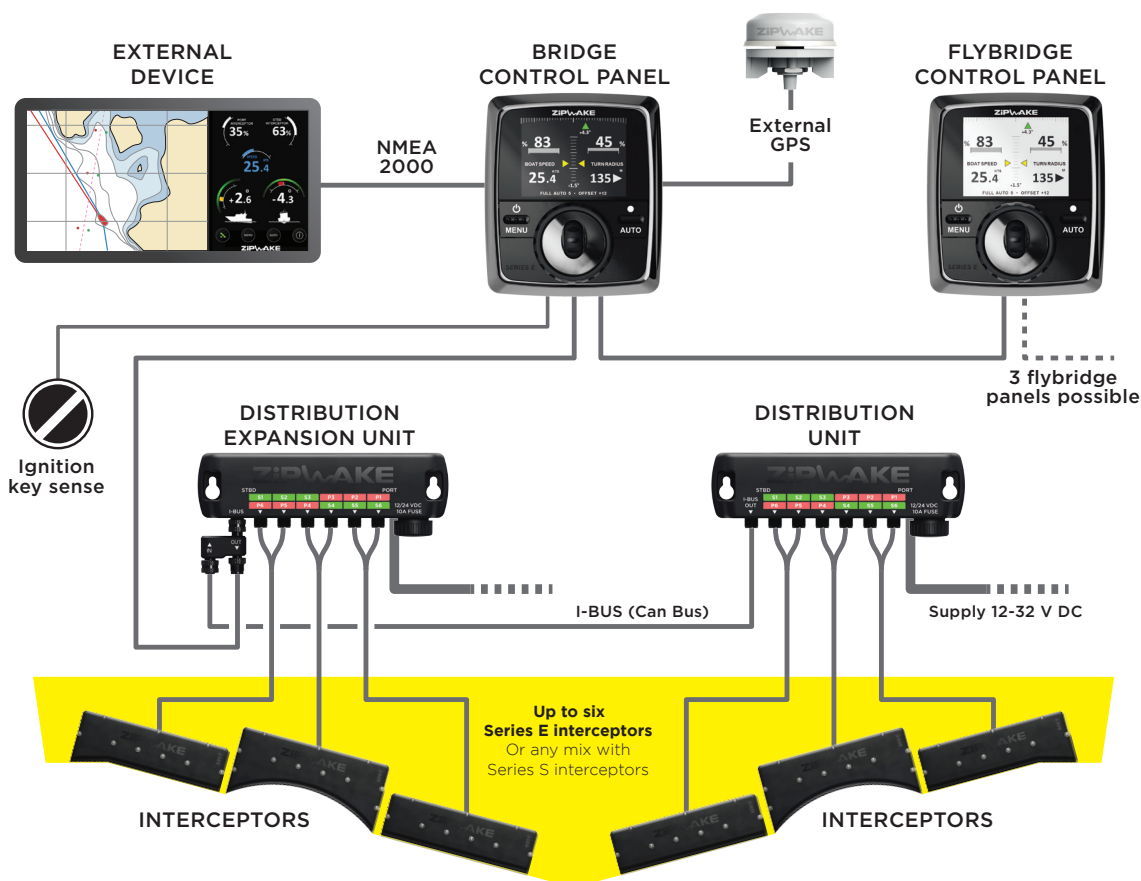
As a rule, the lift effect of a chine interceptor matches the lift of a straight interceptor one size larger mounted inboard of the chine, making them the go-to choice when selecting interceptors.

TUNNEL INTERCEPTORS FOR MOUNTING ABOVE PROPELLER TUNNELS

Tunnel-shaped interceptors provide the perfect lift-force solution for hulls with propeller tunnels. In contrast to straight interceptors, the tunnel interceptor's constant radius curvature allows mounting above the propeller tunnel to fully or partially use the otherwise unutilized part of the beam for lift generation.

The three tunnel models with different radii, R500, R600 and R800, make sure that most large boat propeller tunnels can be covered with negligible deviation between hull and interceptor curvature.

All interceptor models can be included in new installations, or retro-fitted to systems already installed.



CONTROL PANEL

Model	CP-E
Weight	0.22 kg (0.49lbs)
Mounting	Flush or surface
Supply Voltage	12-32 V DC
Power Consumption	10 W max
Waterproof Rating	IP67/IP64 (front/back)
Operating Temperature	-20° to +85°C (-4° to +185°F)



FEATURES



- Fully automatic
 - Dynamic pitch and roll control
 - Steering and turn enhancement
- Built-in GPS and motion sensors
- Unique and intuitive 3D controls
- Sunlight readable color display
- Instant state user feedback
- Auto power on/off via ignition key sense
- Full range of electrical interfaces
- Waterproof
- Auto dimming / night mode
- Upgradable via USB stick
- Up to four control panels in the system
- Surface, flush or gimbal bracket mount
- Manages installation configurations from 1 up to 6 Series E or any mix with Series S interceptors
- Allows configuration of interceptor pair function
- Auto Cleaning
 - Selectable periodic cleaning cycle
 - Prevents fouling inside the interceptor
- Monitored and/or controlled from external devices, e.g. multifunction displays or plotters via its NMEA 2000 interface

ZIPWAKE SERIES E

KIT BOX

Model	Part No.	Description
KB600-E	ZW2012011	Kit Box 600 E
KB800-E	ZW2012012	Kit Box 800 E
KB1000-E	ZW2012013	Kit Box 1000 E
KB600-E CHINE	ZW2012014	Kit Box 600 E Chine



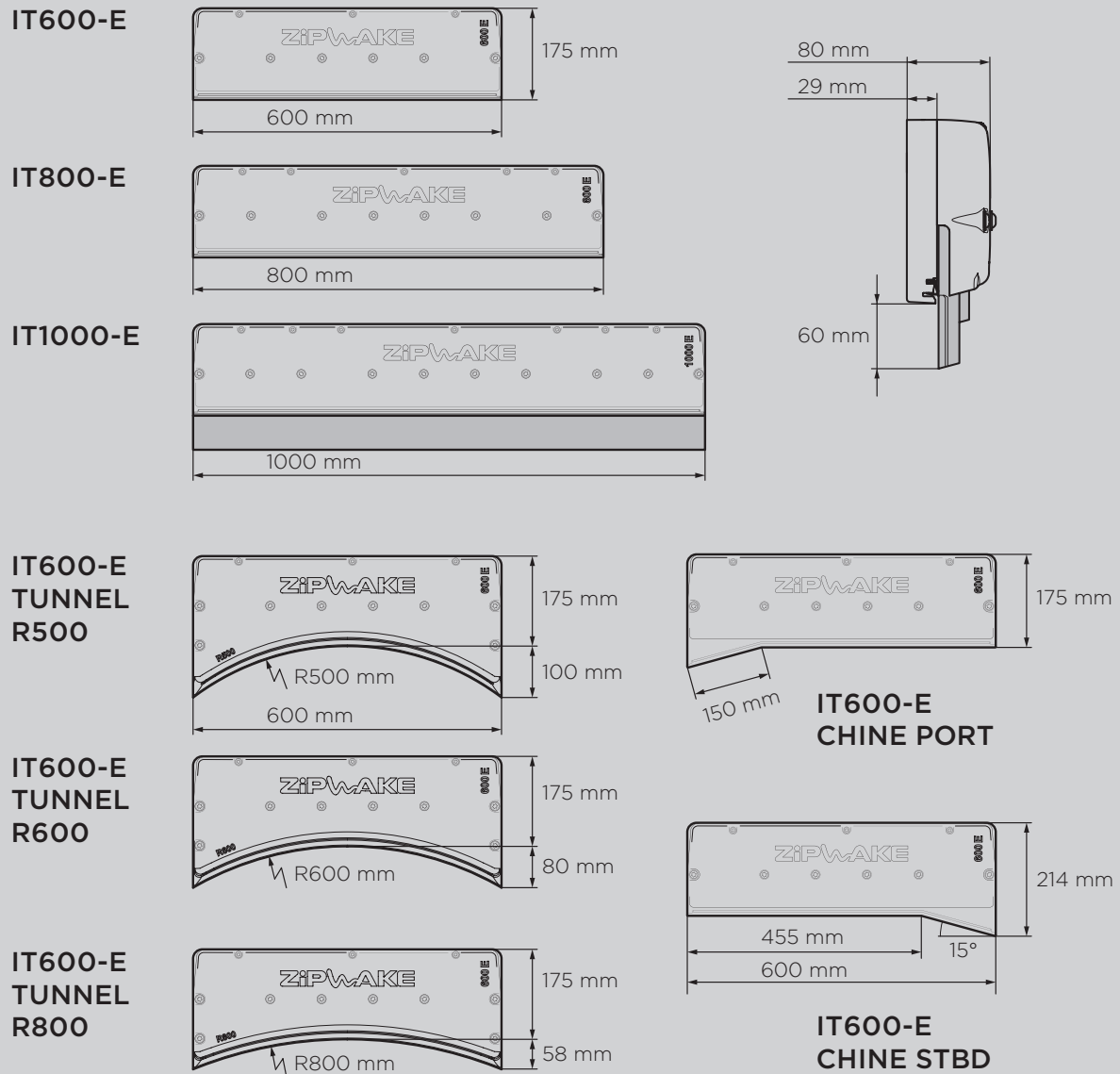
All in a box

ACCESSORIES

CP-E	ZW2012032	Control Panel E with Standard Cable 15 m
DU-E	ZW2012033	Distribution Unit E with Power Cable 6 m
DU-EX	ZW2012034	Distribution Expansion Unit E with Power Cable 6 m
IT600-E	ZW2012018	Interceptor 600 E with Cable 3 m & Cable Cover
IT800-E	ZW2012019	Interceptor 800 E with Cable 3 m & Cable Cover
IT1000-E	ZW2012020	Interceptor 1000 E with Cable 3 m & Cable Cover
IT600-E TUNNEL R500	ZW2012021	Interceptor 600 E Tunnel R500 with Cable 3 m & Cable Cover
IT600-E TUNNEL R600	ZW2012022	Interceptor 600 E Tunnel R600 with Cable 3 m & Cable Cover
IT600-E TUNNEL R800	ZW2012023	Interceptor 600 E Tunnel R800 with Cable 3 m & Cable Cover
IT600-E CHINE PORT	ZW2012024	Interceptor 600 E Chine Port with Cable 3 m & Cable Cover
IT600-E CHINE STBD	ZW2012025	Interceptor 600 E Chine Starboard with Cable 3 m & Cable Cover
EC1,5-M12	ZW2011258	M12 Extension Cable 1,5 m
EC3-M12	ZW2011259	M12 Extension Cable 3 m
EC5-M12	ZW2011260	M12 Extension Cable 5 m
EC10-M12	ZW2011261	M12 Extension Cable 10 m
EC15-M12	ZW2012038	M12 Extension Cable 15 m
EC20-M12	ZW2012039	M12 Extension Cable 20 m
SC15-M12	ZW2012037	M12 Standard Cable 15 m
CP ALU FRAME	ZW2011281	Control Panel Alu Frame
CP COVER	ZW2011381	Control Power Cover, White
CP COVER	ZW2011382	Control Power Cover, Light Gray
CP COVER	ZW2011383	Control Power Cover, Mid Gray
CP COVER	ZW2011384	Control Power Cover, Dark Gray
CP COVER	ZW2011385	Control Power Cover, Black
GPU	ZW2011240	GPS-Unit with Cable 5 m & Mount Kit
GB	ZW2011622	Gimbal Bracket for Control Panel

For more information, please visit www.imtra.com

STATE OF THE ART INTERCEPTORS



Model	IT600-E	IT800-E	IT1000-E
Weight	7.3 kg (16.1lbs)	9.2 kg (20.3lbs)	11.5 kg (25.4lbs)
Model	IT600-TUNNEL R500	IT600-E TUNNEL R600	IT600-E TUNNEL R800
Weight	8.4 kg (18.5lbs)	8.2 kg (18.1lbs)	7.9 kg (17.4lbs)
Model	IT600-E CHINE PORT	IT600-E CHINE STBD	
Weight	7.4 kg (16.3lbs)	7.4 kg (16.3lbs)	

Max Boat Speed	50 knots
Thru-Hull Cable Fitting	Concealed or above waterline
Supply Voltage	12-32 V DC
Power Consumption	25 W max/servo unit
Waterproof Rating	IP68, 5 m (16.4')




C O R P O R A T I O N

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