



ON WATER



**WE MAKE
BOATS WORK BETTER**



GO ELECTRIC

WITH OUR ELECTRIC AND HYBRID SYSTEMS

With more than a hundred years of experience in the design of innovative power transmission products, Twin Disc understands your needs and delivers the solutions that earn your confidence. Our innovative hybrid and electric systems support greener power transmission while delivering the reliability you expect from Twin Disc.

GET TO KNOW YOUR OPTIONS

FULL ELECTRIC

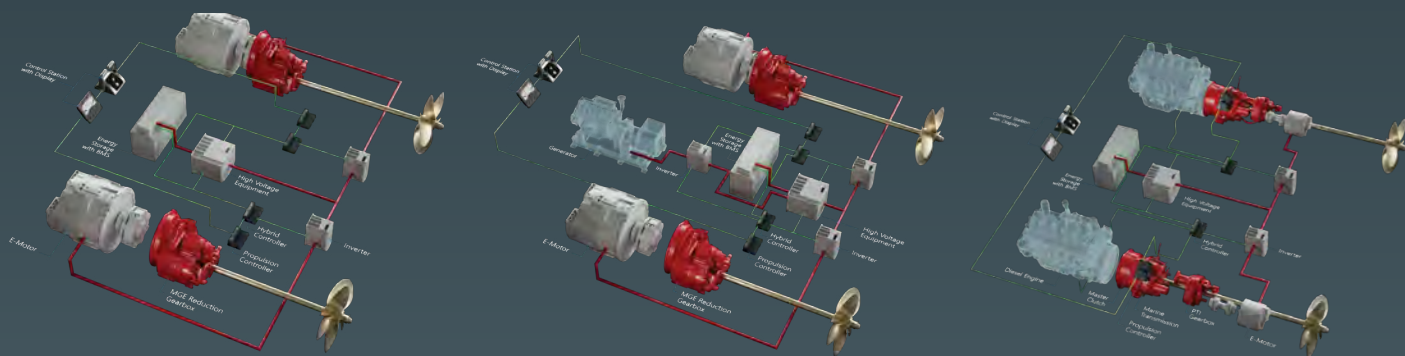
Eliminate the main diesel engine and its maintenance costs, and cut fuel costs and emissions. Configurable power-dense energy storage systems efficiently provide the energy needed to power the application.

SERIAL HYBRID

Electric motors replace the traditional main diesel engines, drawing electric power from onboard gensets, or an energy storage system in combination with gensets.

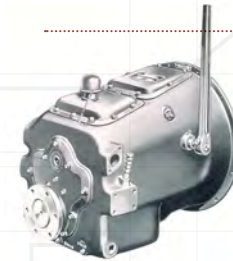
PARALLEL HYBRID

Pair the diesel engine with an electric motor. This configuration takes advantage of both, allowing for diesel-only, electric-only, peak shaving, and power boost operation.



If you're ready to explore hybrid or electric power systems, Twin Disc is the smart place to start.

WE'VE EARNED OUR REPUTATION THROUGH HISTORY



Starting with hard-working marine transmissions for Great Lakes fishing boats in the '30s, the company then received the Navy's contract for marine transmissions on more than 20,000 Higgins landing craft in WWII. The reputation for rugged reliability expanded Twin Disc's marine transmission applications throughout North America. Renowned performance in such demanding operating conditions cemented the company's status as the premier marine transmission manufacturer.

The company continued to increase its transmission line during the 1950s to include more types of commercial vessels as well as pleasure craft in North America, Europe, Latin America, Asia, India and Australia.

In the following decades Twin Disc complemented this critical link between engine and propeller to include electronic controls, high-speed surface drives, the revolutionary QuickShift® transmission, propellers, joystick controls, various boat handling components and precision maneuvering and holding systems. Our marine products apply to shaft-line, azimuth, diesel, hybrid, and electric propulsion systems for work boats, pleasure craft, military and government vessels.

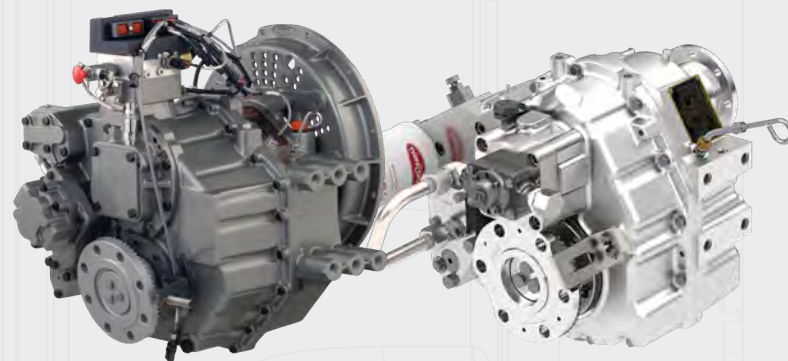


YOU CAN'T BEAT THE SYSTEM

Twin Disc's extensive array of boat management equipment allows you to tailor your propulsion system to provide the ultimate performance, control and reliability. All Twin Disc marine products have been engineered and manufactured to work seamlessly together to provide unparalleled operating synergy.

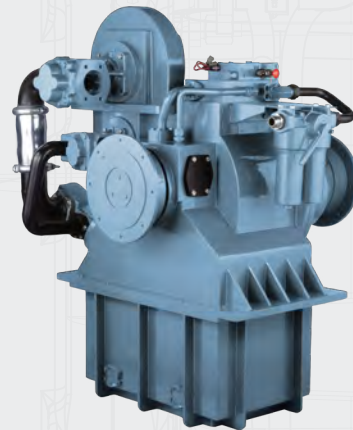
You'll experience remarkably *smooth shifts*, *impressive speed and amazing slow—speed control and maneuvering* all steeped in almost a century of rugged dependability in the most rigorous operating conditions.

Whatever her hull, whatever her mission, your vessel will perform better and more reliably with Twin Disc above and below the waterline. Should any Twin Disc component need repair or replacement, our global sales and service network stands ready to support you wherever in the world your boat operates.



MARINE TRANSMISSIONS

Twin Disc engineers more than 100 marine transmission models, from 35 to more than 4000 horsepower.



MARINE CONTROL DRIVES

Twin Disc MCDs deliver two-in-one operation, performing as a fixed ratio drive when underway and as a variable ratio drive when a power divider is required.



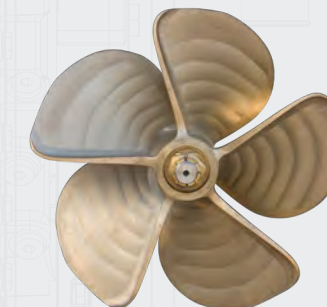
HYDRAULIC AND REAR ENGINE POWER TAKE-OFFS

As the brand leader in both wet and dry clutch technology, we offer you unmatched expertise in transmitting power to machinery.



ARNESON® SURFACE DRIVES

Renowned as the most reliable and proven surface-piercing propulsion system with decades of successful applications in pleasure, commercial and military vessels.



ROLLA™ PROPELLERS

A dedicated pattern for each application assures reliability, performance and longevity.



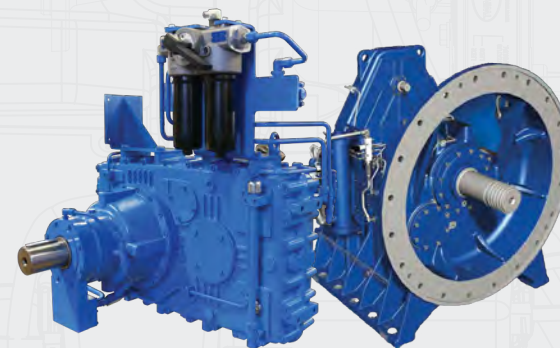
PUMP DRIVES

Meet hydraulic system needs with industrial pump drives in a wide variety of gear ratios, including speed-increasing and speed-reducing configurations.



PROPULSION CONTROL SYSTEMS

The EC600PC, Express Joystick System and dynamic positioning deliver rugged reliability and capabilities to meet strict commercial and pleasure craft demands.



KATSA MARINE GEARBOXES

Katsa's marine product portfolio features a range of high-performance gearbox solutions, delivering power up to 1300 kW and dynamic torque up to 16,000 Nm.



VETH PROPULSION

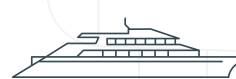
Veth Propulsion develops and produces various types of bow thrusters, including conventional tunnel thrusters, the well-known channel bow thrusters, Veth Compact-Jets and Steering Grids.



CARGO



TANKER



YACHT



FAST PATROL



FSIV/CREW BOAT



TUG



FISHING



SPORT FISHING



WATER TAXI



FERRY



MILITARY



RESEARCH



INLAND PATROL



FOR YOUR PLEASURE



PLEASURE CRAFT



EC600PC
ELECTRONIC PROPULSION
CONTROL SYSTEM



VETH TUNNEL
THRUSTERS



Whether for elegant cruising, high-speed exhilaration or precise slow-speed maneuvering in challenging circumstances, Twin Disc offers infinite combinations of the most sophisticated and durable propulsion components for all forms of power and drive configurations.



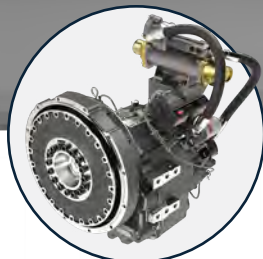
ARNESON®
SURFACE DRIVES



EXPRESS JOYSTICK
SYSTEMS® (EJS®) AND
EXPRESS POSITIONING®



No marine transmission in the industry shifts as smoothly and reliably as the Twin Disc QuickShift® transmission. Coupled with the Express Joystick System (EJS), you'll have the most advanced and precise slow-speed maneuverability available.



QUICKSHIFT® TRANSMISSIONS
WITH EC600PC



ROLLA™
PROPELLERS



VETH PROPULSION
SYSTEMS



New and experienced boaters alike can master crowded marinas, tight slips, and variable current and wind conditions. Link the EJS® to Express Positioning®, and you have remarkably accurate, hands-free position holding. Twin Disc has the boat management system to optimize the pleasure of pleasure boating.

WORK ETHIC



COMMERCIAL CRAFT

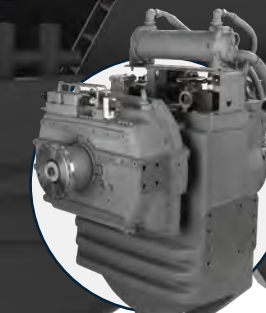


**EC600PC
ELECTRONIC PROPULSION
CONTROL SYSTEM**

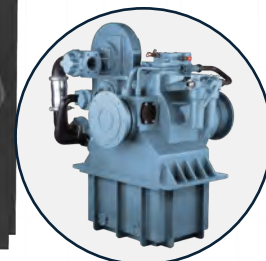


**EXPRESS JOYSTICK
SYSTEMS® (EJS®) AND
EXPRESS POSITIONING®**

Never have workboats been able to accomplish their wide-ranging tasks so efficiently, quickly and productively. The combination of Twin Disc commercial marine propulsion, control and auxiliary power transmission products gets the job done.



**QUICKSHIFT®
TRANSMISSIONS**

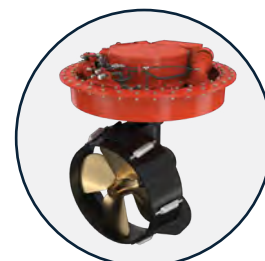


**MARINE CONTROL
DRIVES**

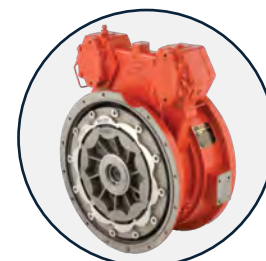


**VETH TUNNEL
THRUSTERS**

For all the different classes of workboats and all their varied missions, they have a single common denominator. They need to get a job done as quickly, efficiently and reliably as possible—often under grueling conditions. Twin Disc commercial marine products evolved from some of the toughest duties imaginable. Not only do you have our legacy of rugged reliability in every propulsion component, today, our sophisticated controls and precision maneuvering systems complement that renowned performance.



**VETH PROPULSION
SYSTEMS**



REAR ENGINE PTOS



HYDRAULIC PTOS



STRENGTH, SPEED, AND CONTROL



EXPRESS JOYSTICK SYSTEMS® (EJS®)
AND EXPRESS POSITIONING®



VETH TUNNEL
THRUSTERS



HYDRAULIC PTOS



For vessels such as fast ferries, water taxis and high-speed offshore well servicing craft, performance translates quite literally to “time is money.” Fast ferries and water taxis must race the clock to meet schedules consistently day in and day out, regardless of weather and water conditions. They must have precise, agile and smooth docking capabilities with utmost passenger comfort and safety. Twin Disc QuickShift® marine transmissions, coupled with electronic controls, offer the ultimate in high-speed output and slow-speed maneuvering.



The new breed of fast boats to service offshore well platforms requires tremendous propulsion power to haul heavy loads and get on task quickly. Once on station they must use precise control and positioning to off-load personnel and materials under challenging sea conditions. The more duty cycles a boat can perform in a day, the more productive and profitable it is. Twin Disc has the high-power, high-reliability propulsion components and sophisticated control and positioning systems to provide the most productive performance to, at and from the platform.



QUICKSHIFT®
TRANSMISSIONS



EC600PC ELECTRONIC
PROPULSION CONTROL SYSTEM



ROLLA™
PROPELLERS



PUMP DRIVES

WHEN DUTY CALLS



EXPRESS JOYSTICK SYSTEMS® (EJS®)
AND EXPRESS POSITIONING®



ROLLA™
PROPELLERS



QUICKSHIFT®
TRANSMISSIONS



For high-speed interception, search and rescue, coastal defense and harbor patrol, Twin Disc propulsion and boat management systems provide fast and reliable response. Nations around the world specify Twin Disc components because of their proven rugged dependability and high-speed performance.



VETH PROPULSION SYSTEMS



EC600PC
ELECTRONIC PROPULSION
CONTROL SYSTEM



ARNESON®
SURFACE DRIVES

You can choose to optimize shaft-line propulsion power or achieve the top-end that only Arneson® Surface Drives can attain. When getting there fast is the mission, count on Twin Disc.



GLOBAL MEANS A WORLD OF VALUE

GLOBAL RESEARCH & DEVELOPMENT

Twin Disc has designed, built and serviced countless marine products all over the world for almost a century. This unparalleled history of incorporating innumerable vessels in varied operating conditions affords us a unique understanding of the global marine industry.

Our global R&D perspective yields innovative marine products relevant and important to individual customer vessel types, missions and duty requirements.

GLOBAL APPLICATION ENGINEERING

Our application engineers possess global experience and resources to help you select the most appropriate boat management and propulsion system. Whatever the hull or operating parameters, Twin Disc offers a knowledgeable and efficient solution to achieve the optimum combination of speed, precision maneuverability and propulsion dependability for your vessel.

GLOBAL SALES & SERVICE

With 250 distributors and service dealers across the world, you've got genuine Twin Disc Parts and Service availability—wherever you are.

Our global network maintains an inventory of critical products and spare parts. In an emergency situation, our service team locates the available inventory nearest you and, combined with our after-hours emergency capabilities, gets you back underway right away.

To help you avoid the unforeseen, Twin Disc distributors and service dealers partner with you to review your specific application and recommend the most appropriate preventive and predictive maintenance program.



CONTINUE EXPLORING AT TWINDISC.COM

Your voyage doesn't end here – it's just the beginning! This brochure gave you a glimpse, but our website is your passport to more in-depth information to help you confidently navigate the challenging sea of new options.

WHAT YOU WILL FIND

Comprehensive Product Information

Technical Specifications

Robust Sales & Service Locator

Resources, News and Events

And More

YOUR CURIOSITY LED YOU HERE; NOW, LET OUR EXPERTISE GUIDE YOU.

Visit our website to take control of your journey and find out how we can put horsepower to work for you.



MAKE TWIN DISC YOUR PROPULSION PARTNER

From system-design consultation to application development to in-service support, Twin Disc will partner with you to provide fully integrated propulsion solutions that will optimize your craft's performance, reliability and safety over the years. Bring Twin Disc aboard early in the development process, and you'll enjoy a lifetime of enhanced operating value and optimal cost of ownership.

For assistance with a specific application, please email applications@twindisc.com.



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WE PUT HORSEPOWER TO WORK®

THE TWIN DISC FAMILY OF PRODUCTS



TECHNODRIVE



ARNESON® ROLLA™

KOBELT

MASTERCLUTCH™

QUICKSHIFT®



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