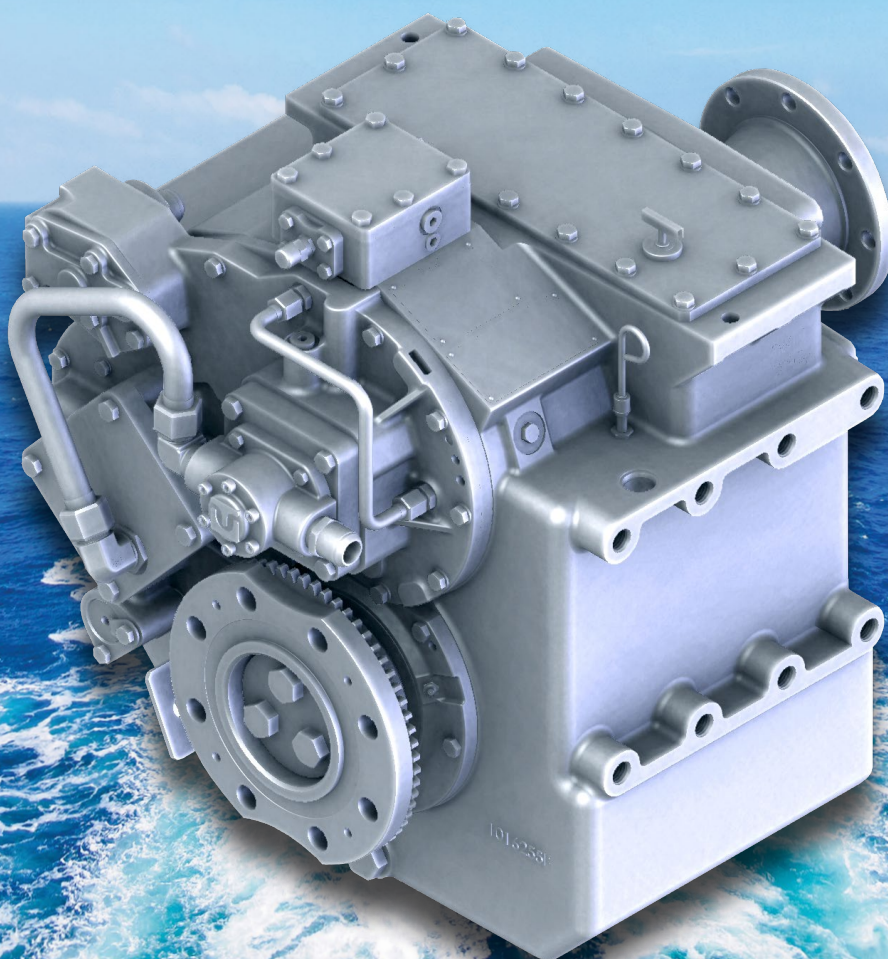


MGE SERIES



MGE SERIES

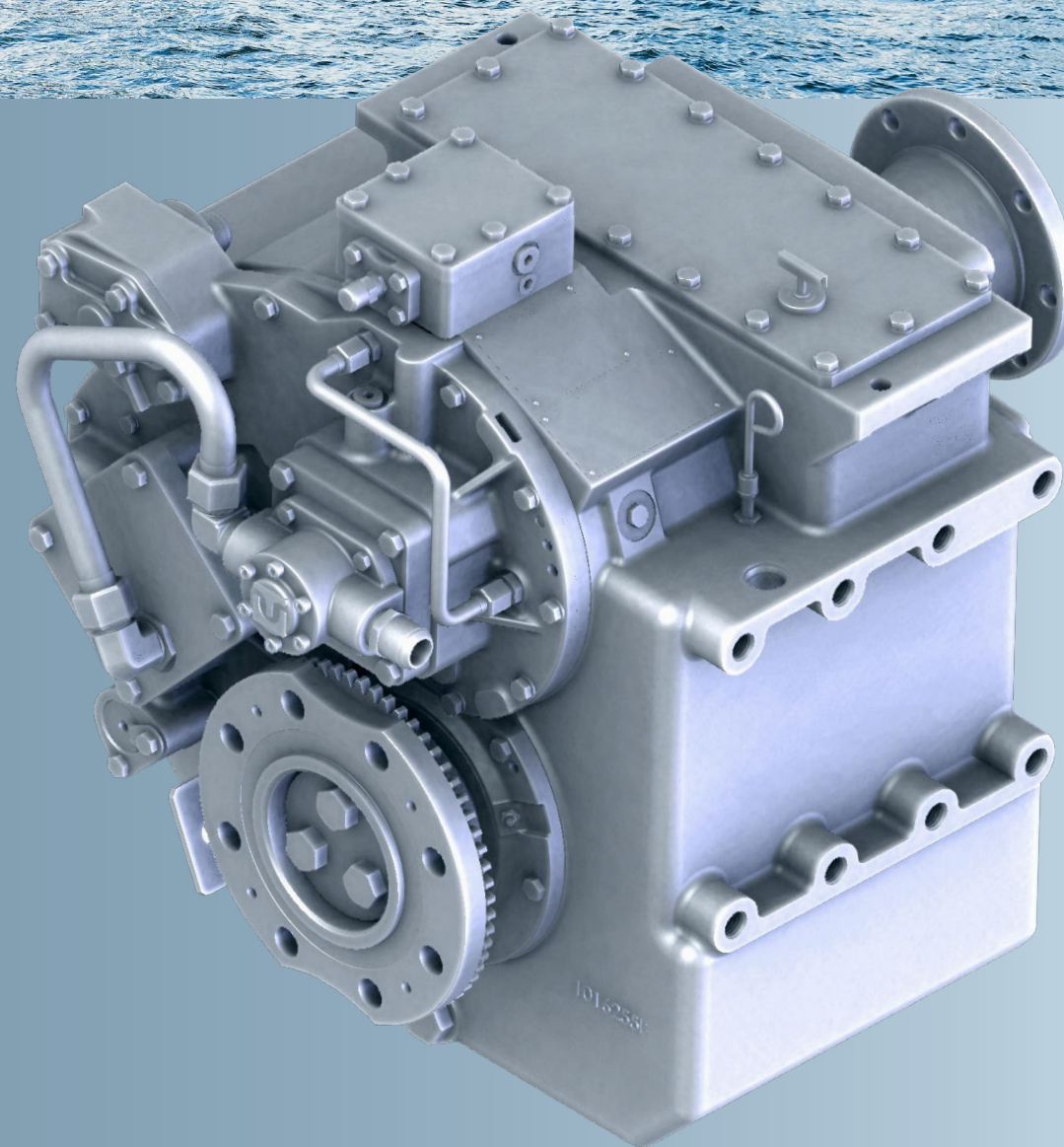
MARINE GEARS FOR ELECTRIC
& SERIAL HYBRID PROPULSION





MARINE ELECTRIFICATION: PROFITABLE. SUSTAINABLE. POWERFUL.

Discover the MGE series of electric and Serial hybrid ready gearboxes, taking you into the future with a decade of field-proven performance. This innovative series supports greener propulsion while delivering the reliability you expect from Twin Disc.



ENGINEERED FOR EFFICIENCY AND SUSTAINABILITY

Building on our industry-leading MG and MGX marine transmissions, we've developed a marine gearbox especially for applications requiring direct power response with a reduction ratio—specifically suited for serial hybrid and diesel-electric applications. The MGE provides immediate power from the motor, whether the shaft is turning clockwise or counter-clockwise, with the optimum reduction ratio for efficient, environmentally friendly propulsion.

EVOLVING EVERY DETAIL OF DESIGN

MGE Series models require no reverse gears, wet clutch or advanced high-pressure hydraulic circuit. A built-in bi-directional oil pump provides lubrication. Built-in thrust bearings deliver superior performance over industrial gearboxes. MGE gearboxes are built to the same standards as Twin Disc marine transmissions, with the same installation envelope. Meet applicable marine standards, including survey society approvals, and use the MGE Series wherever you use MG or MGX transmissions.

ENHANCING ELECTRIC VESSEL PROFITABILITY

With more than a hundred years of experience in the design of innovative marine products, Twin Disc understands your needs and delivers the solutions that earn your confidence. Our first MGE transmissions, operating since 2011, continue to satisfy owners and operators. Choose MGE Series marine transmissions, good for the environment and good for your business.



MGE SERIES: DESIGNED TO ACHIEVE YOUR GOALS

MGE gearboxes offer a profitable, sustainable, powerful choice for owners, fleet operators, shipyards and naval architects. You can rely on Twin Disc's commitment to solve marine industry challenges while contributing to a cleaner world.

MGE FEATURES

- 90% of components in common with diesel-driven marine transmissions
- Simplified design without clutch
- Simplified hydraulic circuit
- Bi-directional gear-driven lube oil pump
- Built-In thrust bearing

MGE BENEFITS

- Robust and proven design
- Ability to match optimum propeller rpm
- Simple and reliable
- Handles propeller thrust—no need for external thrust bearing
- Easy installation: drops into existing MG/MGX envelope

MGE OPTIONS

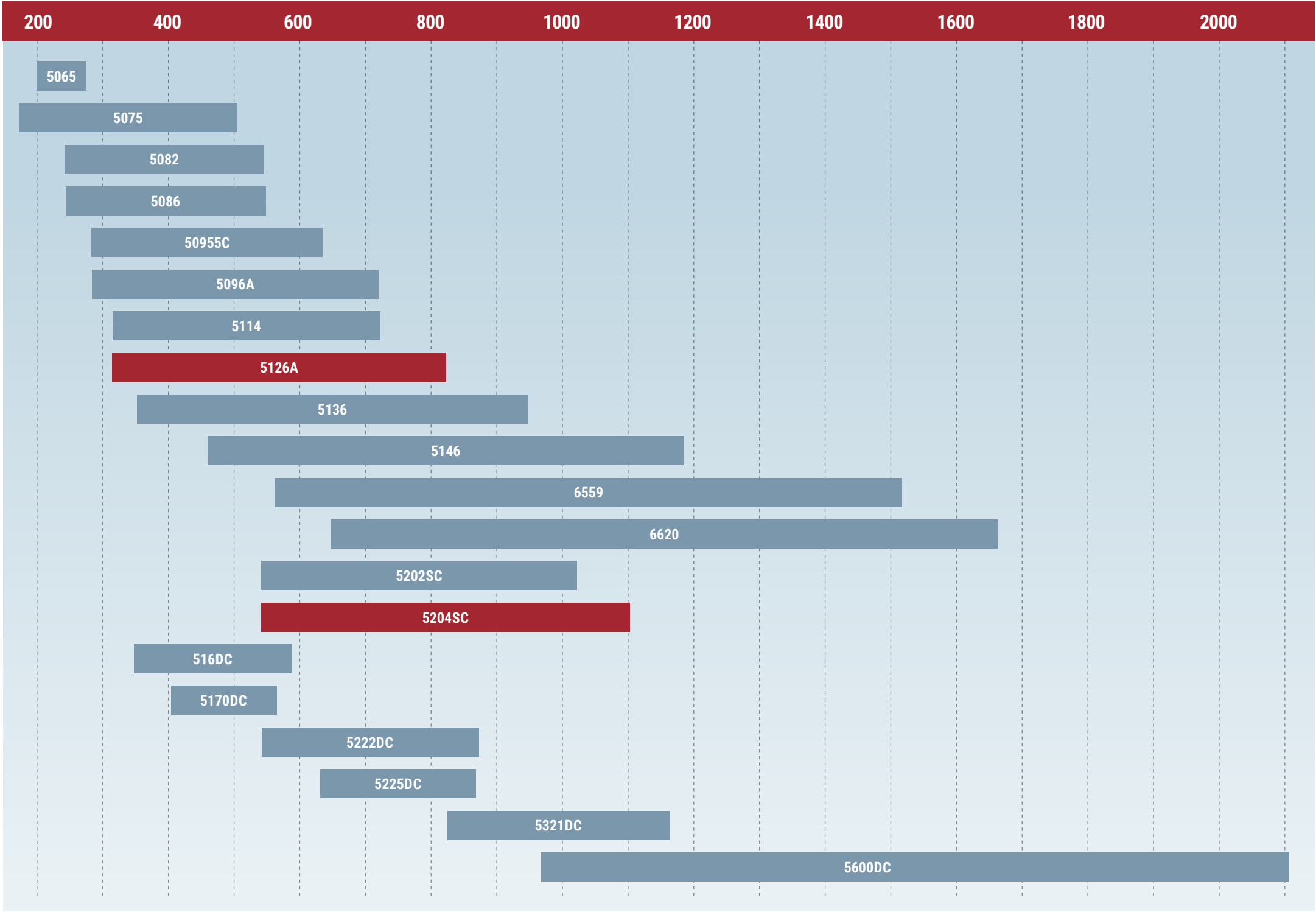
- SAE or freestanding connection with the e-motor
- Mounted heat exchanger
- SAE input coupling selection
- Bolt-on mounting brackets
- Companion flange
- Type approval & unit certification on request

MGE APPLICATIONS

- Propeller or jet boats
- Single or multiple screw vessels, new construction or retrofit
- Any vessel type and duty cycle/load profile



MGE RANGE CHART (KW)



Exact matching depends on selected transmission configuration (SC, A, DC, RV, IV), on the requested reduction ratio, and on the type of application (Twin Disc offers five Duty Cycles from Pleasure Craft to Continuous Duty).

For an exact matching of our MGE models to your application, please contact with your Twin Disc nearest dealer.

On Request Released/In Operation





WE PUT HORSEPOWER TO WORK®

THE TWIN DISC FAMILY OF PRODUCTS



POWER COMMANDER™



EXPRESS
JOYSTICK SYSTEM®



EXPRESS
POSITIONING®



MASTERTRIM™

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