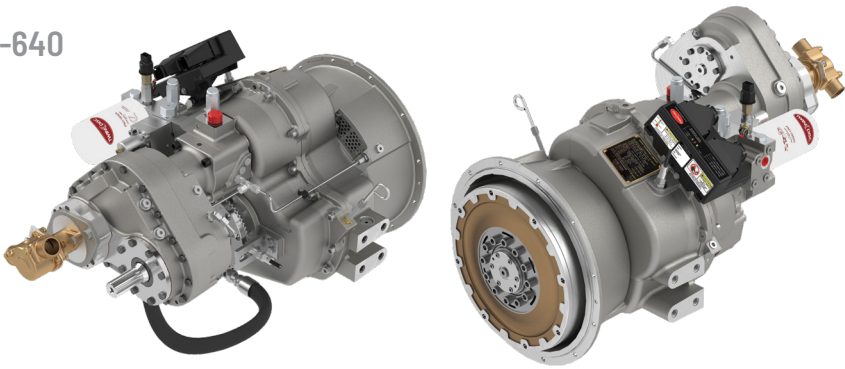


MGH-5075SC

Hybrid Ready MGX-5075SC with MC-15 & PG-640

Maximum 455 kW (610 hp)
@ 2500 rpm (Pleasure Craft)



STANDARD EQUIPMENT

- Electric GP-valve with manual override
- EC600PC profile module – interface for engagement signals
- Oil strainer and oil filter
- Near coaxial, aluminum housing
- SAE J617 flywheel adapter housing #2 or #3



HYBRID-READY FEATURES

- MC-15 MasterClutch rated 1,500 Nm maximum input torque
- PG-640 PTO/PTI gearbox rated 640 Nm on primary shaft

INPUT RATINGS

Reduction Ratios :1	Pleasure Craft @ 2500 RPM	Light Duty @ 2300 RPM	Intermediate Duty @ 2100 RPM	Medium Duty @ 1800 RPM	Continuous Duty @ 1800 RPM
1.06, 1.22, 1.33 1.53, 1.77, 2.05	455 kW (610 hp)	368 kW (493 hp)	283 kW (380 hp)	205 kW (275 hp)	186 kW (249 hp)
2.53	410 kW (550 hp)	355 kW (476 hp)	268 kW (360 hp)		
2.88	403 kW (540 hp)	348 kW (467 hp)	261 kW (350 hp)		

For service classification definitions and important notes refer to the Twin Disc Marine Product Guide or contact Twin Disc directly.
Ratings shown for use with standard right-hand rotation engines. The maximum allowable rated engine speed is 3500 rpm.

EC600PC ELECTRONIC PROPULSION CONTROL SYSTEM

- Optional equipment: display and joystick



OPTIONAL EQUIPMENT

- Flexible coupling for 11.5" flywheel (SAE J620 size 290)
- EC600PC e-troll module and propulsion control system
- Oil cooler with thermostatic bypass valve
- Companion flange/bolts set
- Monitoring devices to customer's specification
- Mounting brackets

MC-15 MASTERCLUTCH

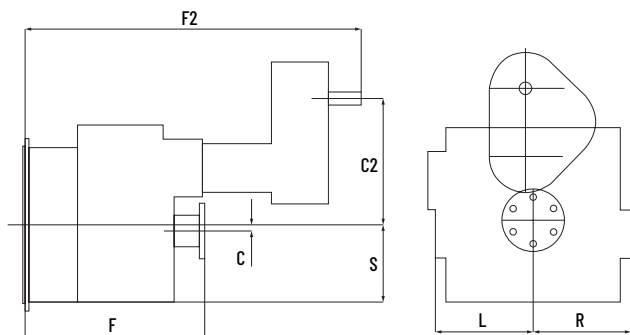
- Permits power generation through PTO/PTI in forward, neutral and reverse
- Prevents engine back-driving during electric-only operation
- Innovative freewheel design does not require separate hydraulics for actuation
- Supports all features of QuickShift transmission



PG-640 GEARBOX

- Drives transmission primary shaft (same as engine) with MasterClutch providing disconnect
- Allows for standard speed/smaller e-motor through motor speed reduction
- Offset to propeller shaft enables installation of large motors
- Reductions from 1.50:1 to 2.25:1
- Integrated sea water (optional) pump cools transmission during electric propulsion
- Optional PTO available for onboard hydraulics (e.g., steering pump)

MGH-5075SC



C	15 mm (0.59")
C2	326 mm (12.85")
S	178 mm (7.00")
F	487 mm (18.25")
F2	870 mm (34.25")
L	254 mm (10.00")
R	254 mm (10.00")
Weight*	215 kg (474 lbs)

*Dry weight including SAE #3 housing and SAE 290 flexible coupling

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Twin Disc, Incorporated reminds users of these products that their safe operation depends on use in compliance with engineering information provided in our catalog. Users are also reminded that safe operation depends on proper installation, operation and routine maintenance and inspection under prevailing conditions. It is the responsibility of users (and not Twin Disc, Incorporated) to provide and install guards or safety devices which may be required by recognized safety standards or by the Occupational Safety and Health Act of 1970 and its subsequent provisions.

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