MGX-5321DC HYBRID READY

with MC-75 and PTI Gearbox

MGX-5321DC

MAXIMUM 982 KW (1317 HP) @ 1800 RPM (CONTINUOUS DUTY)

STANDARD EQUIPMENT

- Vertical offset, nodular iron housing
- Electric GP-valve with manual override
- EC600PC profile module – interface for engagement signals
- Mounted oil cooler for raw water cooling
- Oil strainer and oil filter

HYBRID-READY FEATURES

- MC-75 MasterClutch™
- PTI gearbox

QUICKSHIFT® BY TWIN DISC

INPUT RATINGS

Reduction Ratios :1	Intermediate Duty		Medium Duty		Continuous Duty	
	@ 1800 RPM	@ 2100 RPM	@ 1600 RPM	@ 1800 RPM	@ 1600 RPM	@ 1800 RPM
3.35, 4.06, 4.42 4.96, 5.46	1044 kW (1400 hp)	1163 kW (1560 hp)	928 kW (1244 hp)	1044 kW (1400 hp)	882 kW (1183 hp)	982 kW (1317 hp)
5.96			865 kW (1160 hp)	969 kW (1300 hp)	861 kW (1155 hp)	969 kW (1300 hp)
6.39	893 kW (1198 hp)	1022 kW (1371 hp)	776 kW (1041 hp)	863 kW (1137 hp)	737 kW (988 hp)	812 kW (1098 hp)

For service classification definitions and important notes refer to www.twindisc.com, 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 2400 rpm.

EC600PC ELECTRONIC PROPULSION CONTROL SYSTEM

- Optional equipment: display and joystick

MASTERCLUTCH

- Permits power generation through PTO/PTI in forward, neutral and reverse
- Prevents engine back-driving during electric-only operation
- Supports all features of QuickShift transmission

PTI 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 1.0:1 to 2.5:1
- Integrated sea water (optional) pump cools transmission during electric propulsion
- PTO available for onboard hydraulics (e.g., steering pump)
- Limited to 1,186 Nm on MGX-5321DC input shaft

OPTIONAL EQUIPMENT

- SAE J617 housing no. 0
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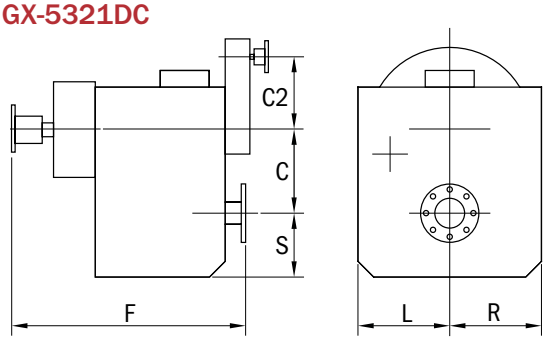
- Flexible coupling for 18" flywheel (SAE J620 size 460)
- Flexible coupling for 21" flywheel (SAE J620 size 530)
- Input hub for freestanding installation
- EC600PC e-troll module and propulsion control system
- Oil cooler for fresh water cooling
- Companion flange/bolts set
- Special companion flange/bolts set for shaft brake application
- Monitoring devices to customer's specification

MGX-5321DC



C	440 mm (17.32")
C2	163 mm (6.45")
S	426 mm (16.77")
F	1068 mm (42.06")
L	440 mm (17.32")
R	440 mm (17.32")
Weight	2298 kg (5062 lbs)

Dry weight including SAE no. 0 housing and SAE 460 flexible coupling

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