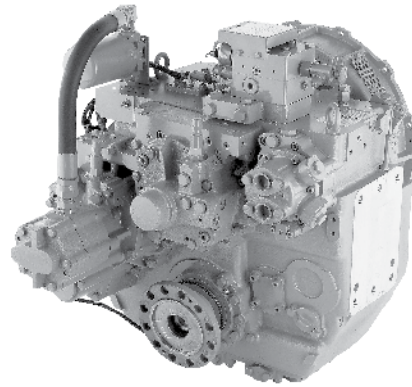


**MAXIMUM 1440 KW (1931 HP) @ 2300 RPM [PLEASURE CRAFT DUTY]****STANDARD EQUIPMENT****MGX-6599 SC, MGX-6599 DC & MGX-6599 A**

SAE J617 housing no. 0  
 Flexible coupling for 18" flywheel (SAE J620 size 460)  
 Electric GP-valve with manual override  
 Profile module – interface for engagement signals  
 Integral oil cooler for raw water cooling  
 Oil strainer and oil filter

**MGX-6599 RV**

Input flange size GWB 587.50  
 Electric GP-valve with manual override  
 Profile module – interface for engagement signals  
 Integral oil cooler for raw water cooling  
 Oil strainer and oil filter



**QUICKSHIFT®**  
*You've got to feel it to believe it.*

**OPTIONS**

	MGX-6599 SC	MGX-6599 DC	MGX-6599 A	MGX-6599 RV
SAE J617 housing no. 1	X	X	X	
Flexible coupling for 14" flywheel (SAE J620 size 355)	X	X	X	
E-Troll module – interface for engagement & trolling signals	X	X	X	X
Companion flange/bolt set	X	X	X	X
Monitoring devices to customer's specification	X	X	X	X
Trailing pump, output shaft driven	X	X	X	X
Mounting brackets	X	X	X	X
Live PTO – max. 592 Nm				
SAE J744 size 127-4, 32-4 (SAE "C", 4-bolt)	X	X	X	X
Hydraulic Clutchable PTO – max. 592 Nm				
SAE J744 size 127-4, 32-4 (SAE "C", 4-bolt)	X	X	X	X
Secondary live PTO for power steering pumps				
SAE J744 size 101-2, 22-4 (SAE "B", 2-bolt) - max. 90 Nm	X	X	X	X
SAE J744 size 82-2, 16-4 (SAE "A", 2-bolt) - max. 35 Nm	X	X	X	X
Weight (dry weight with standard equipment)	<b>460 kg</b>	<b>580 kg</b>	<b>490 kg</b>	<b>470 kg</b>

Contact Twin Disc for Survey Society Approvals and Classifications.

Specifications subject to change without prior notice in the interest of continual product improvement.

**INPUT RATINGS – KILOWATTS (KW) (HORSEPOWER [HP])\***

	Reduction Ratios :1	Pleasure Craft @2300 RPM	Light Duty @2300 RPM	Intermediate Duty @2100 RPM	Medium Duty @1800 RPM	Continuous Duty @1800 RPM	Input Speed Limits RPM
<b>MGX-6599 SC</b>	1.07, 1.30, 1.50, 1.66, 1.74, 1.97, 2.04, 2.45	1343 kW (1800 hp)	TBA	TBA	TBA	TBA	2500 MAX.
	2.82	1156 kW (1550 hp)					
<b>MGX-6599 DC</b>	2.46, 3.03, 3.48	1440 kW (1931 hp)	1241 kW (1664 hp)	945 kW (1267 hp)	779 kW (1045 hp)	729 kW (978 hp)	2500 MAX.
	3.93	1285 kW (1723 hp)	1130 kW (1515 hp)	860 kW (1153 hp)	709 kW (951 hp)	663 kW (889 hp)	
	4.29	1156 kW (1550 hp)	1053 kW (1412 hp)	804 kW (1078 hp)	662 kW (888 hp)	619 kW (830 hp)	
<b>MGX-6599 A &amp; MGX-6599 RV</b>	1.29, 1.51, 1.74	1343 kW (1800 hp)	1291 kW (1731 hp)	996 kW (1336 hp)	820 kW (1100 hp)	767 kW (1029 hp)	2500 MAX.
	2.03, 2.48	1343 kW (1800 hp)	1135 kW (1522 hp)	853 kW (1144 hp)	702 kW (941 hp)	656 kW (880 hp)	
	2.80	1156 kW (1550 hp)	1102 kW (1478 hp)	840 kW (1126 hp)	691 kW (927 hp)	647 kW (868 hp)	

\* Ratings shown are for use with standard right hand rotation engines.

## SERVICE CLASSIFICATION DEFINITIONS

**Pleasure Craft [PC]:** Up to 500 hours/year, low load factor usage planing hull vessels where typical full engine throttle operation is less than 10% of total time. The balance of operation at 80% of full engine throttle or less. Marine transmissions for use in long range pleasure cruisers, sportfish charter boats/patrol boats do not qualify for Pleasure Craft Service.

*Note: Some revenue producing applications such as Planing Hull Bristol Bay Gillnetter do qualify under Pleasure Craft rating definition.*

**Light Duty [LD]:** Relatively low hour usage (less than 1500 hours per year) where full throttle operation is 2 hours out of 12.

Typical applications include planing hull vessels such as fire boats, sportfish charter boats, and patrol/custom boats. This rating is also applicable to some bow and stern thruster applications.

**Intermediate Duty [ID]:** Hour usage of up to 2000 hours/year (for models MG-5114 Series and smaller) and up to 3000 hours/year (for models larger than MG-5114 Series) with 50% of the operating time at full engine rating.

Typical applications include planing hull vessels such as ferries, fishing boats, some crew boats, and some displacement hull yachts as well as some bow and stern thruster applications.

**Medium Duty [MD]:** Hour usage of up to 4000 hours/year with up to 80% of operating time at full engine power. This duty classification is for usage where some variations in engine speed/power occur as part of normal vessel operation.

Typical vessels include mid-water trawlers, crew/supply boats, ferries, and some inland water tow boats.

**Continuous Duty [CD]:** For use in continuous operation with little or no variation in engine speed/power setting.

Typical vessels include fishing trawlers, tow/tug boats and ocean going vessels.

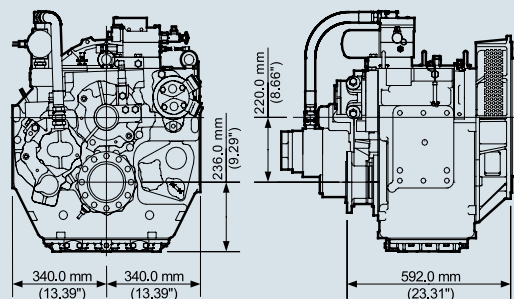
**Important Notice:** Torsional Vibration: Disregarding propulsion system torsional compatibility could cause damage to components in the drive train resulting in loss of mobility. At minimum, system incompatibility could result in gear clatter at low speeds.

The responsibility for ensuring that the torsional compatibility of the propulsion system is satisfactory rests with the assembler of the drive and driven equipment.

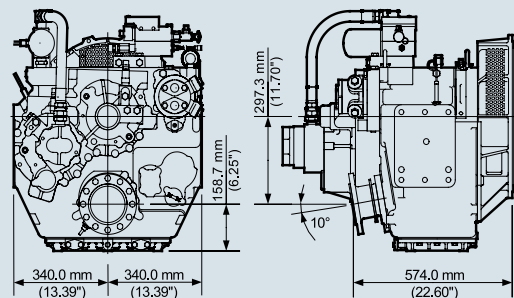
Torsional vibration analysis can be made by the engine builder, marine survey societies, independent consultants and others. Twin Disc is prepared to assist in finding solutions to potential torsional problems that relate to the marine transmission.

Twin Disc, Incorporated reminds users of these products that their safe operation depends on use in compliance with engineering information provided in this bulletin. 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 the user (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 provision.

### MGX-6599 SC



### MGX-6599 A



### MGX-6599 DC

