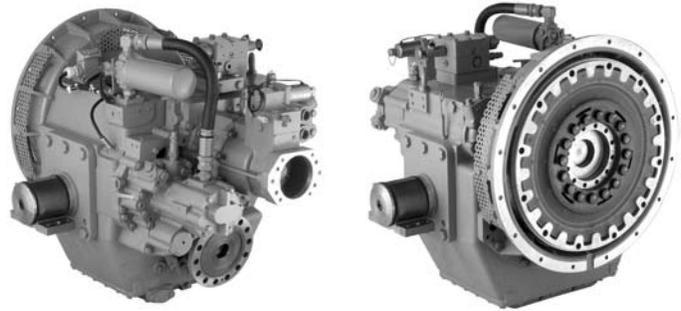


MAXIMUM 1566 KW (2100 HP) @ 2300 RPM [PLEASURE CRAFT DUTY]**STANDARD EQUIPMENT****MGX-6620 SC & MGX-6620 A**

SAE J617 housing no. 0
 Flexible coupling for 18" flywheel (SAE J620 size 460)
 Electric GP-valve with manual override
 EC050 profile module – interface for engagement signals
 Integral oil cooler for raw water cooling
 Oil strainer and oil filter

MGX-6620 RV

Input flange size GWB 587.50
 Electric GP-valve with manual override
 EC050 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-6620 SC	MGX-6620 A	MGX-6620 RV
Input hub for freestanding installations	X	X	
EC050 E-Troll module – interface for engagement and trolling signals	X	X	X
Companion flange/bolts set	X	X	X
Monitoring devices to customer's specification	X	X	X
Trailing pump, output shaft driven	X	X	X
Mounting brackets	X	X	X
Live PTO – max. 592 Nm			
SAE J744 size 127-4, 32-4 (SAE "C", 4-bolt)	X	X	X
Hydraulic clutchable PTO – max. 592 Nm			
SAE J744 size 127-4, 32-4 (SAE "C", 4-bolt)	X	X	X
Secondary live PTO for power steering pumps			
SAE J744 size 101-2, 22-4 (SAE "B", 2-bolt) – max. 197 Nm or			
SAE J744 size 82-2, 16-4 (SAE "A", 2-bolt) – max. 197 Nm	X	X	X
Weight (dry weight with standard equipment)	575 kg	580 kg	510 kg

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	
MGX-6620 SC	1.15	1566 kW (2100 hp)	1338 kW (1794 hp)	1166 kW (1564 hp)	960 kW (1287 hp)	898 kW (1204 hp)	2500 MAX.	
	1.33							
	1.53		1417 kW (1900 hp)	1142 kW (1531 hp)	935 kW (1254 hp)	879 kW (1179 hp)		
	1.73					874 kW (1172 hp)		
	2.03				1100 kW (1475 hp)	906 kW (1215 hp)		847 kW (1136 hp)
	2.32				1019 kW (1366 hp)	839 kW (1125 hp)		785 kW (1053 hp)
	2.44		1470 kW (1971 hp)	1338 kW (1794 hp)	1019 kW (1366 hp)	839 kW (1125 hp)		785 kW (1053 hp)
	2.72							
MGX-6620 A & MGX-6620 RV	1.55, 1.72, 2.09	1566 kW (2100 hp)	1417 kW (1900 hp)	1234 kW (1655 hp)	1021 kW (1369 hp)	950 kW (1274 hp)	2500 MAX.	
	2.28, 2.42			1145 kW (1535 hp)	943 kW (1265 hp)	833 kW (1117 hp)		
	2.73	1504 kW (2017 hp)	1330 kW (1784 hp)	1014 kW (1360 hp)	835 kW (1120 hp)	780 kW (1046 hp)		

* Input speed limits: min. 450 rpm/max. 2500 rpm. 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.

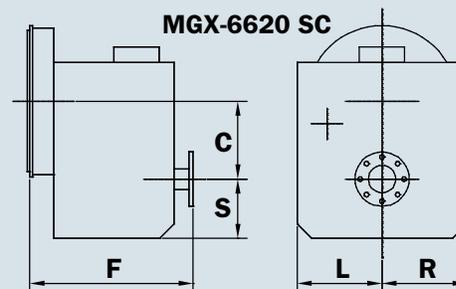
Typical vessels include fishing trawlers, tow/tug boats and ocean going vessels.

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.

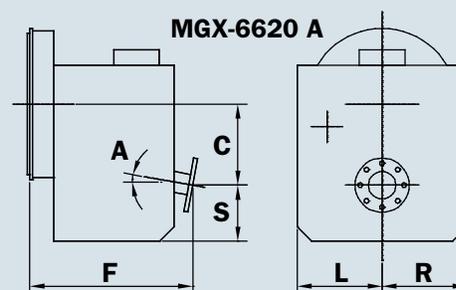
The responsibility for ensuring that the torsional compatibility of the propulsion system is satisfactory rests with the assembler of the drive and driven equipment.

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.

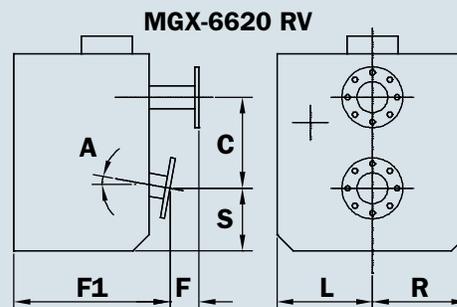
Twin Disc, Incorporated reminds users of these products that their safe operation depends on use in compliance with engineering information provided in this bulletin. Users are also reminded that safe operation depends on proper installation, operation and routine maintenance and inspection under prevailing 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.



C	235.0 mm (9.25 in)
S	235.0 mm (9.25 in)
F	698.0 mm (27.48 in)
L	340.0 mm (13.39 in)
R	340.0 mm (13.39 in)



C	315.9 mm (12.44 in)
S	184.1 mm (7.25 in)
F	653.0 mm (25.71 in)
L	340.0 mm (13.39 in)
R	340.0 mm (13.39 in)
A	10°



C	315.9 mm (12.44 in)
S	184.1 mm (7.25 in)
F	128.5 mm (5.06 in)
F1	603.0 mm (23.74 in)
L	340.0 mm (13.39 in)
R	340.0 mm (13.39 in)
A	10°



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