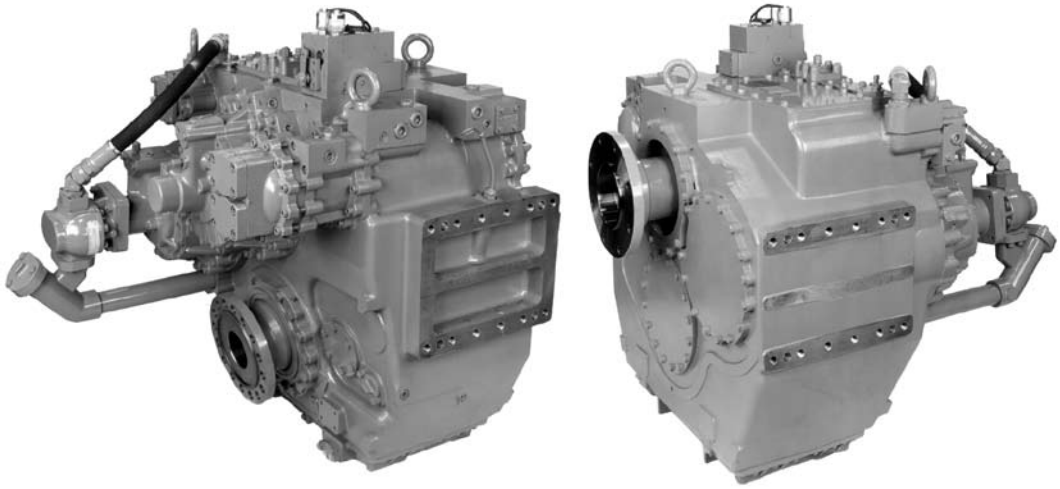
MAXIMUM 2856 KW (3830 HP) @ 2100 RPM PLEASURE CRAFT DUTY



STANDARD EQUIPMENT

MG-61242 A

12V or 24V electric selector valve with mechanical backup operable from control station
Independent mount
Integral raw water heat exchanger
Oil strainer and oil filter

OPTIONS

	MG-61242 A
Companion flange/bolt set	x
Trailing pump	x
Mounting brackets	x
Trolling valves (mechanical or electrical)	x
PTOs (engine rotation direction and speed)	x
Live SAE C bolt pump 592 N·m (437 lb-ft)	
With hydraulic disconnect clutch – 592 N·m (437 lb-ft)	x
Oil temperature gauges with electric high temperature alarm contacts	x
Weight (dry weight with standard equipment)	**1105 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])*

MG-61242 A

Reduction Ratios :1	Pleasure Craft @ 2100 RPM	Light Duty @ 2100 RPM	Intermediate Duty @ 2100 RPM	Medium Duty @ 1800 RPM	Continuous Duty @ 1800 RPM	Input speed limits RPM
1.42, 2.07	2856 kW (3830 hp)	2743 kW (3679 hp)	2728 kW (3658 hp)	1973 kW (2646 hp)	1858 kW (2491 hp)	2100 max. 450 min.
2.44		2634 kW (3532 hp)	2559 kW (3431 hp)		1782 kW (2390 hp)	
2.93	2722 kW (3650hp)	2559 kW (3431 hp)		1896 kW (2542 hp)	1760 kW (2360 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.

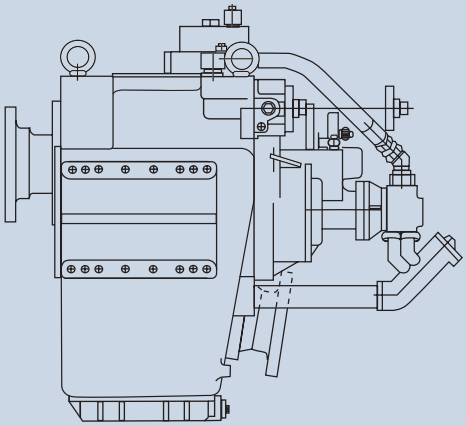
Important Notice: Torsional Vibration: Disregarding propulsion system torsional compatibility could cause damage to components in the drive train resulting in loss of mobility. At minimum, system incompatibility could result in gear clatter at low speeds.

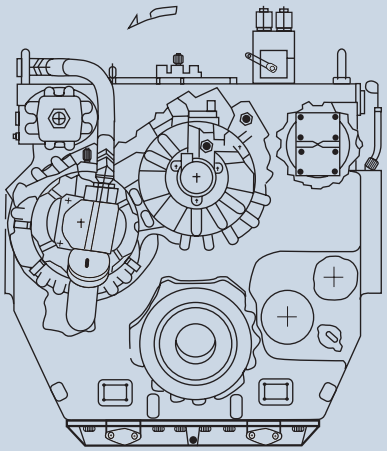
The responsibility for ensuring that the torsional compatibility of the propulsion system is satisfactory rests with the assembler of the drive and driven equipment.

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.

MG-61242 A





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