

MODEL MG-5091

- 600 hp @ 2300 rpm pleasure craft rating
- 375 hp @ 2100 rpm intermediate duty rating
- 485 lbs for low weight to hp ratio
- Popular trolling valve optional
- Identical forward and reverse ratios: 1.17:1, 1.45:1, 1.71:1, 2.04:1, 2.45:1, 2.95:1, and 3.38:1
- Identical capacity forward or reverse — provides either left or right-hand propeller rotation with identical right-hand engines
- Helical gears for quieter operation
- Oil controlled and cooled clutches
- Clutches can be serviced with transmission attached to engine
- No external plumbing (except to heat exchanger)
- Built with jig-bore accuracy
- SAE No. 1 or No. 2 housing
- Rubber block drive
- Advanced design to provide strong yet lightweight high grade iron housings

This versatile, lightweight, high-capacity marine transmission permits the use of higher powered engines that are required for best vessel performance, pleasure craft, intermediate duty and continuous duty applications.

All ratios are available in one housing configuration. Identical capacity and ratios in forward or reverse eliminate the need for opposite rotation engines. However, transmissions can be specified for use with **Left-hand Rotation Engines**. The MG-5091 offers unusually good access for service of major components without having to be removed from the engine.

TROLLING VALVE

An optional trolling valve is available for the MG-5091. The trolling valve provides the ability to obtain lower propeller speeds than would be possible at engine idle speed with the clutch fully engaged. If a raw water heat exchanger is used, then a thermo-

static oil bypass valve is recommended for use in the transmission oil circuit to provide proper sump oil temperature for consistent trolling valve operation.

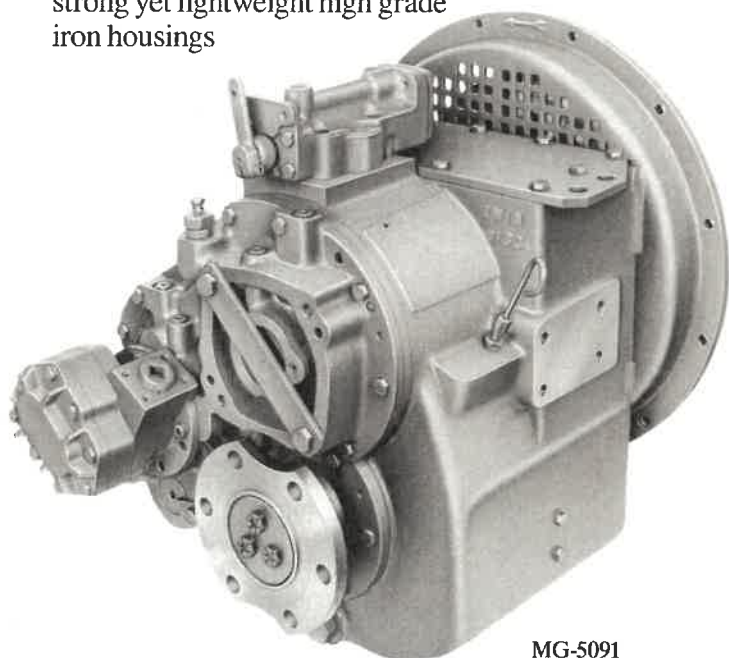
HEAT EXCHANGER

Heat exchanger kits for raw water cooling the MG-5091 are available from Twin Disc. Customers who wish to furnish their own heat exchanger should contact the nearest Twin Disc or marine engine distributor for exchanger specifications.

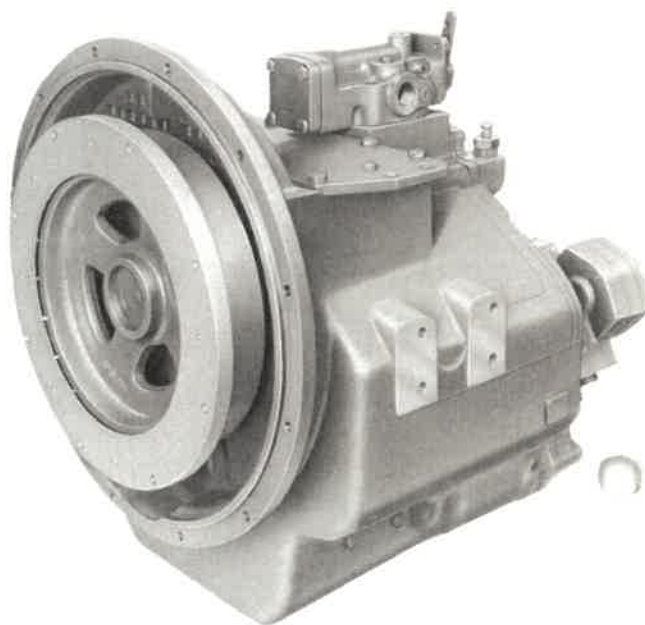
POWER TAKE-OFFS

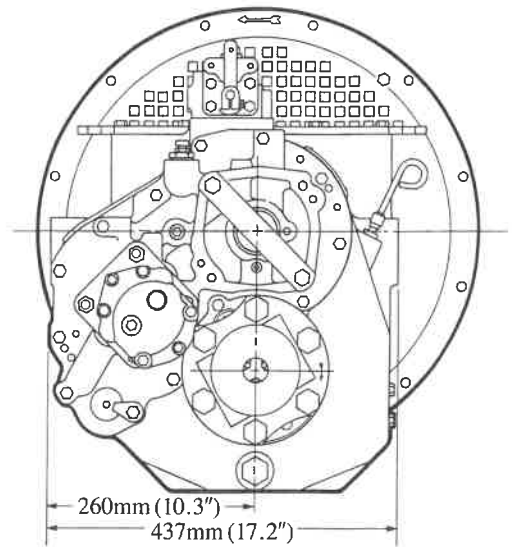
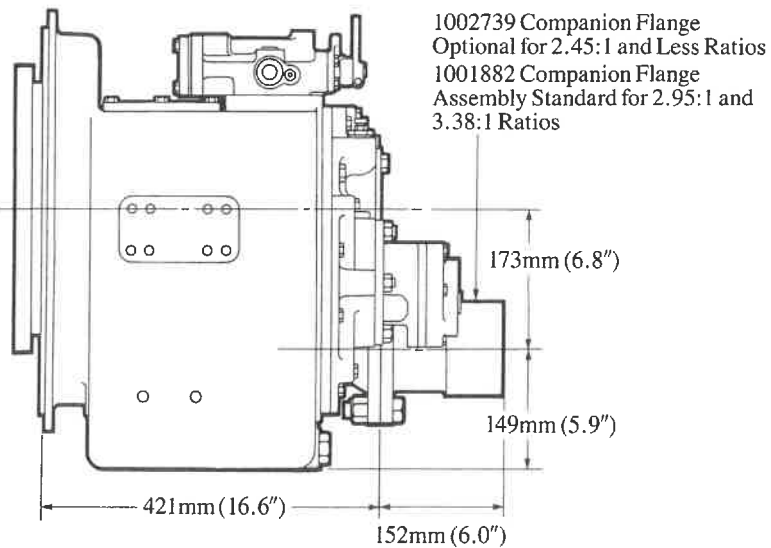
Three optional PTO's are available for the MG-5091:

- XB6243 Live SAE C pump-mount PTO rated 112 kW (150 hp) @ 1800 rpm
- XA7554A Hydraulic Clutch SAE C pump-mount PTO rated 78 kW (104 hp) @ 1800 rpm
- XA7554 Hydraulic Clutch 1 $\frac{7}{8}$ " diameter shaft drive PTO rated 78 kW (104 hp) @ 1800 rpm



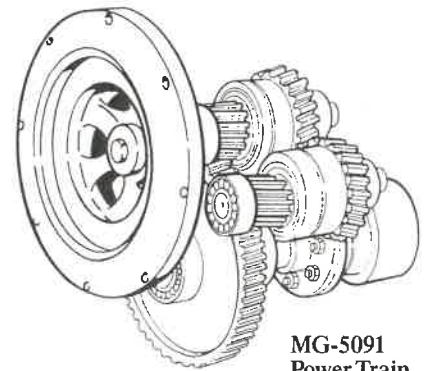
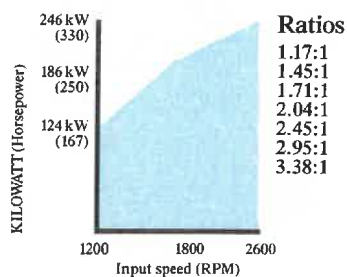
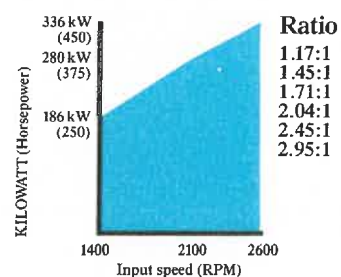
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DRAWING NUMBER	RATIOS	*APPROX. DRY WEIGHT
1001827	1.17:1 1.45:1 1.71:1 2.04:1 2.45:1 2.95:1 3.38:1	220kg (485 lb)

Use Certified Print for Installation
*Excluding Companion Flange

**INPUT POWER RATINGS — KILOWATTS (HORSEPOWER)****CONTINUOUS DUTY****INTERMEDIATE DUTY****PLEASURE CRAFT (Planing Hull)**