

## MODEL MG-5090A

- 600 hp @ 2300 rpm pleasure craft rating
- 375 hp @ 2100 rpm intermediate duty rating
- 475 lbs for low weight to hp ratio
- Popular trolling valve optional
- Identical forward and reverse ratios: 1.45:1, 1.73:1, 1.96:1, and 2.43:1
- 7° down angle for near level engine installation
- Helical gears for quieter operation
- Identical capacity forward or reverse — provides either left or right-hand propeller rotation with identical engines
- Oil controlled and cooled clutches
- 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 lightweight, high-capacity marine transmission permits the use of higher powered engines that are required for best vessel performance.

The MG-5090A offers conical helical gearing for quieter operation. A 7° down angle provides for near level engine installation. This feature is of particular interest to marine architects for optimizing space in planing type hulls.

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**.

### TROLLING VALVE

An optional trolling valve is available for the MG-5090A. 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-5090A 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-5090A:

- XB6243 Live SAE C pump-mount PTO rated 112 kW (150 hp) @ 1800 rpm
- XA7553A Hydraulic Clutch SAE C pump-mount PTO rated 78 kW (104 hp) @ 1800 rpm
- XA7553 Hydraulic Clutch 1 7/8" diameter shaft drive PTO rated 78 kW (104 hp) @ 1800 rpm



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