

GB2144-M - Twin Disc

STATUS

Available

REF. NUMBER

GB2144-M

MANUFACTURE

Twin Disc

TYPE

MG 509

RED.

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FABRIKS NR.

Spec. S-2730 Serie 59??07

VESSEL

Vos Tiree



Model MG-509 Marine Transmission

Oil controlled clutch engagement

- Collapsible and hardened gears
- Emergency come-home feature
- Built with Igbare security
- Rubber track drive
- Series: 4.61, 3.201, 2.481, 2.914, 3.391, 3.831, 4.801 and 4.851
- Equipped with either SAE No. 1 or No. 2 housing
- Dry flywheel housing
- Both clutches removable with transmission attached to engine
- Identical performance and ratio forward or reverse
- Hydrostatically lubricated and oil-cooled clutches shift with smooth, fast, fingertip response

The MG-509 Marine Transmission is the most popular marine transmission in its horsepower range.

The 4.61, 3.201, 2.481, 2.914 and 3.391 shaft configurations are designed for the use of the propeller and the counter-shaft gear. The 3.831, 4.801 and 4.851 shaft units use a double offset on the center distance of the gears in gearsets. The collapsed and hardened gears are specially mounted on anti-lubrication bearings on shaft supports. The transmission may be purchased with an SAE No. 1 or No. 2 housing.

Three shafting options are available with the No. 1 housing and one shafting option with the No. 2 housing. Maximum shaft speed with four No. 4.61ft coupling is 2000 rpm. The MG-509 is designed for full horsepower operation continuously in either forward or reverse position.

An externally-mounted heat exchanger, fan-mounted power take-off, or rotating-propeller shaft coupling flange and a lifting eye assembly are available as optional equipment with the MG-509 Marine Transmission. The

Use Certified Print for Installation

SHAFT NO.	SAE NO.	SAE NO.	Ø	APPROX. DRY WT.
4.61	3.201	167.6 (6.60)	172.2 (6.78)	148.0 (5.21)
2.481	2.914	152.4 (5.99)	162.7 (6.40)	137.0 (4.86)
3.391	3.831	165.1 (6.50)	175.3 (6.90)	152.0 (5.36)
4.801	4.851	177.8 (7.00)	187.9 (7.40)	167.0 (5.89)

Heat Exchanger

This transmission has two coolant inlets on a heat exchanger with flexible hoses and necessary fittings for installation on the top cover of the transmission. Customers who wish to furnish their own heat exchanger should contact the nearest Twin Disc or marine engine distributor when ordering, specifying if raw or treated water is to be used in the heat exchanger. Heat exchanger can be remotely-mounted if a lift eye is used.

IMPORTANT NOTICE

Disengaging procedure varies for some compatibility. Consult dealer for details. Minimum, system incompatibility must meet in gear either or the forward.

The responsibility for ensuring that the transmission is installed and operated in accordance with the instructions of the print and driven equipment furnished with the transmission, cannot be made by the engine builder, engine service operator, independent contractor or other person. Independent contractor or other person should be consulted for any problems that relate to the marine transmission.

For Service Classification Definitions see book

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