

MARUZEN

MARINE TRANSMISSIONS MODEL TM828 SERIES



www.maruzen.com



MARUZEN KIKYO CO., LTD.
OSAKI JAPAN

MARUZEN MARINE TRANSMISSIONS

MODEL 620S (Shallow Case)

MODEL 620D (Deep Case)

MODEL 620L (Large Case)

For Workboats Fishboats Pleasure Craft

These heavy-duty transmissions are of the countershaft design, which the shaft can be operated continuously in either forward or reverse without full load capacities. This type of construction also results in a positive neutral position.

The hydraulic system is trouble free, including oil-cooled and oil-cooled clutches. The "Shaper-Up" control valve ensures immediate response. Anti-Inertia Tapered Roller Bearings, Cylindrical Roller Bearings and accurate mesh-cutting gears provide long life.

The optional pressure-mounted PTO is used by a separate, self-contained hydraulic circuit. This is a unique feature of MARUZEN transmissions.

Standard Features Include:

- Hydraulically controlled and Oil-Cooled (Pressure-mounted) clutch "Shaper-Up" control.
- Unique "Shaper-Up" design (Patented) allows proper timing between engaging and disengaging rollers during a "Shaper-Up" action, versus a "Shaper-Up" action. Positive action system.
- No. 100 and ground-mount (optional) gear, ground-mount and motor. (Single or double input shafts.)
- Interchangeable Input Shafts
- Interchangeable Gear Sets
- Ratio: 2.00:1, 2.33:1, 2.50:1, 2.67:1, 2.86:1, 3.00:1

Shaft-hub free coupler
2.50:1, 2.67:1, 2.86:1, 3.00:1, 3.33:1, 3.50:1, 3.75:1

Shaft-hub free coupler
2.50:1, 2.67:1

- Equipped with ISO No. 7 Housing.
- 50% Reverse Housing.
- Clutch Operable With Transmission Mounted on Engine.

- High-performance and standard ratio in standard case design.
- Oil Temperature Warning when "Red Zone" in the neutral position with gear-hub stops. (A proper temperature tolerance device.)

Optional:

- Reverse and/or Service Brakes
- Input shaft couplers for right-angle drive, sideways, clockwise and counter-clockwise rotation.

Weights (lbs.)

Shallow Case model	2000	2100	2200
Deep Case model	2400	2500	2600
Large Case model	3800	4100	4400

Optional Features:

- Top-mounted, hydraulically actuated Reverse Shift Kit.
- Double Input Rotation.
- 50% Reverse with Reverse Brake.
- Equipped with ISO No. 7 Housing.
- Shaper-Up gear-hub coupling PTO gear.

MODEL TM828S-D&L

POWER CURVES

Maximum Power



Maximum Fuel Flow (GPH)



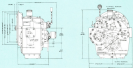
Maximum Torque



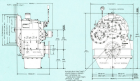
Model TM828S-D&L (HP)

INSTALLATION DRAWINGS

MODEL 8283 (Small Case)



MODEL 8283 (Small Case) & MODEL 8284 (Large Case)



FOR INFORMATION, SEE LISTING ON PAGE 17 OF THIS CATALOG



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