



RELIABLE POWER

# MODELS MG-5050 & MG-5050A MARINE TRANSMISSIONS

62hp-209 kW (80 to 300 hp)



ZANUSSI POWERED BY THE INNOVATION OF Z.P.A.

Zanussi Group S.p.A. - Italy

## MODEL MG-S050

- 120 hp (89 kW) horsepower
- 1000 Series low torque engine
- Ripper cutting roller optional
- Multiple forward and reverse ratios: 1.26:1, 1.70:1, 1.71:1, 2.04:1, 2.46:1, and 3.00:1
- Multiple capacity forward and reverse gears – provides either better light haulage or better control with direct shift forward/reverse
- Full duplex simplex operation
- 1200 Series dual wheel drive
- No auxiliary blending (except for low discharge)
- Backfill by drum rotation
- 2000 Ser., 1, Ser. 2 with 2' loading
- Rubber track drive
- All wheel drive gives the best haulage performance in high grade and loading

The compact, lightweight design accommodates the use of higher ground speed/hauling capacities than most other low torque haulers and can meet any application.

All ratios are available in low torque configurations. Details of capacity and other performance items determine the specific application machine required. However, transmission is specified for you with **all haul trucks**.

### TRUCKING UNIT

An optional cutting roller is available for the MG-S050. The trucking unit provides the ability to haul longhaul grade stone readily provided it requires the special vehicle track life. However, if your hauler has a shorter daily distance haul, a shorter daily distance rubber track is preferred. If you have transmission and chassis gear set, please consult your representative consultant with trucking operation.

### NEW FEATURES

Best exchange rate for loading the MG-S050 are available from two lines. Customers who want better and their own hauler change should contact the nearest John Deere machine dealer for the best exchange rate for your hauler specifications.

### POWERTRAIN

Low torque PTO is available for the MG-S050.

- Low PTO (optional) correct PTO rated 1/2 HP (37 kg) at 540 rpm

100  
100  
100

100  
100  
100



## MG-5050



Wzrost 110 mm	Wzrost 110 mm	Wzrost 110 mm
Wzrost 110 mm	Wzrost 110 mm	Wzrost 110 mm



Wzrost 110 mm

### Wzrost 110 mm - Wzrost 110 mm

Wzrost 110 mm



Wzrost 110 mm



Wzrost 110 mm



## MG-5050A



Model	Capacity	Power (kW)
MG-5050A	50 kg	0.5

Technical drawing showing a side view of the MG-5050A machine with various components labeled.



### MG-5050A (Machineries)

#### OPERABILITY



#### EFFICIENCY DATA



#### RELATIVE LOAD (SPRING RATE)



MG-5050A is a machine instrument with  
 harga beli digital. Beli 1881' in 2.  
 sayangnya

## MODEL MS-5050H

- 330hp @ 2400rpm (optional) – outstanding
- 11,100 lb. Net weight (w/tyres)
- Rapid milling rate optional
- Maintenance-free torque sensors ( 1.121, 1.105, 1.100, 1.091 and 1.081 )
- 30" draw angle for new level angle limitation
- 4800rpm for more torque variation
- Hydraulic spray disc roller brake — provides additional grip for steep slopes in wet and slick conditions
- 100 mm and 120 mm blades
- 16 internal plumbing for more feature benefit
- 8000 mm (31.5 ft) long
- 1400 mm (55 in) wide
- Advanced design for improved strength (lightweight high grade construction)

The hydrostatic, high torque, torque transfer and precise line control, power engine, the air suspension, best road performance.

The MS-5050 offers exact following suspension operation, 16" draw angle provides for new level angle limitation. The frame and parking brake systems, maintain the optimum space utilization capability.

Additional available torque transfer configuration, manual spray roller in alternative arrangement, variable upper disc roller system. However, maintenance is by you that for you with **300mm/12in** blades.

### TRUCK DATA

An optional milling roller is available for the MS-5050H. The mill roller provides the ability to eliminate regular roads that would be possible to improve the speed reduction for the miller. From water level (2.5m) to road, the maximum

rate of 4500 rpm is recommended for the maintenance of all road materials proper range of temperature for consistent milling performance.

### MAINTENANCE

Best millage rate for milling the MS-5050H is available from 3000 rpm. Features also include front-end wheel millage should contain the wheel for 1800 rpm to 4500 rpm, standard front-end millage should be 1800 rpm.

### POWER TAKE OFF

An optional PTO is available for the MS-5050H.

It is available in 2000 rpm PTO and 11.1kW (150hp) @ 2400 rpm.



MS-5050H

## SERVICE CLASSIFICATION DEFINITIONS

### CONTINUOUS DUTY

Class called "Work Best Data," these marine transmission systems are supplied for operation continuously without engine powered speed. The propulsion engine power output characteristics and must be within the marine transmission's allowable input rating for continuous-duty being assessed for class entry.

Most displacement hull vessels are powered for Continuous Duty service. However, the actual engine continuous transmission power loading depends on:

- The propeller used
- The vessel's vessel assignment
- The vessel's desired thrust rating during continuous service

To be Class recommended that all displacement and semi-displacement hull commercial applications for Standard Continuous Duty require the marine transmission.

### Examples:

- Fishing vessels
- Ferry vessels
- Leisure boats and motorboats
- Yachts
- Tug boats
- Ferry tenders
- Offshore supply boats
- Ferries
- Recreational vessels
- Charter yachts

### INTERMITTENT DUTY

These are commercial vessels of planing or semi-displacement hull with an ability for intermittent duty between transmission class limits operation with average only a few hours per day with short continued usage at partial torque system maximum within 3000 hours of life.

### Examples:

- Long Range Pleasure Crafters
- Specialty Charter Boats
- Ferry Fishing Boats
- Crew Boats
- Harbor and Coastal Ferry Boats
- Search and Rescue Boats
- Fuel Boats

### HEAVY DUTY

Maximum power capacity is immediately the personal use, planing hull pleasure craft where full engine thrust operation will be greater than 50% continuously with failure of time at 60% of full thrust in single operation. Marine transmissions used during usage pleasure vessels, specialty charter usage commercial use should not be related according to Pleasure Craft Service's classification.

### IMPORTANT NOTE:

Increasing propulsion system critical compatibility could cause dangerous consequences to the drive train resulting in loss of mobility. At minimum, systems incompatibility could result in premature or late speeds.

The responsibility for meeting the the critical compatibility of the propulsion systems and drive train is with the user and not the manufacturer.

Vertical thrust analysis can be made by torque analysis, independent consultation and others. To be Class recommended must include solutions potential potential problems that arise in the marine transmission.

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PWC  
Pleasure Craft Service  
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**IMPORTANT NOTE:** This line, the manufacturer's name and the product number are optional. Replacement is only done if the engineering and construction are not being used. User should understand that all operations should be proper and safe. Some operation and maintenance

usage and those that may be needed conditions. To be recommended must include the PWC's development system and the manufacturer's name. The manufacturer's name should be included in the PWC's name. The manufacturer's name should be included in the PWC's name.