



Recon Industries Australia

RECON FM Series - Remote Controlled Tracked Skid Steer Carrier



The Recon FM Series are purpose built remote controlled heavy duty carriers.

The Recon FM Series Carrier is certified as Australian Made & Owned



OUR AIM

Our aim at Recon Industries Australia is to think outside of the box! Not only to increase safety but also to increase productivity.

We follow some simple ideas that allow us to design and manufacture products to be safe, simple to use, easy to maintain, tough & long lasting. Combining our aim and ideas, our machinery and equipment is suited for some of the harshest conditions and temperatures.

With features such as three closed loop hydraulic pumps for travel and high flow hydraulics as well as an over sized hydraulic oil cooler allows the FM series to function in the harshest of conditions and temperatures.

As will all of our equipment and machinery we manufacture in Australia every machine can be customised to suit the required application and customer requirements.

The FM series of carriers are designed to -

- Operate at a level of safety and productivity exceeding requirements.
- Have a low profile allowing for operations in adverse terrain and conditions.
- Be fit for purpose, durable and have an excellent return on investment.
- Easy to transport.
- Be able to travel up to 7 Kph on flat ground and climb slopes over 60 degrees.
- Operate high flow forestry and road site mulching/ flail attachments.
- Operate on steep slopes using high flow mulching/ flail attachments.
- The Recon FM Series are equally capable of operating steep slope environments as well as maintaining road side vegetation. From grasses and brush to hardwood timber up to 200mm in diameter.
- Operate in temperatures exceeding 40 degrees Celsius.
- Operate in conditions and areas which a conventional machine isn't able to.
- Be fitted as standard with a skid steer attachment plate and quick connect hydraulic fittings to allow for multiple tasks and the use of various attachments.
- Available in Tier 3, Tier 4 final as well as Stage V emissions standard.



FM SERIES - MORE THAN MOWING

The FM series has been designed and manufactured to ensure that the FM series is fit for purpose, durable and has an excellent return on investment.

The FM series is fitted as standard with a quick attachment plate which allows most skid steer attachments to be used on the FM series.

With multiple front arm options including a low push style arm to a arm which lifts to over 1300 mm above the ground to allow for the FM series to be used as a multipurpose machine.

The FM series is designed to be a workhorse, with the machines being radio remote controlled they out perform most skid steer loaders and the weight saving from not have an operator's station allows for an excellent machine weight.

The same machine can be use for multiple uses including –

- Power line, easement and general vegetation control including road side and heavy timber up to 200mm in diameter.
- Fire trail and asset protection zones (APZ's) in bush fire risk areas.
- Earthworks and tunneling projects.

Some of the FM Series Attachments include –

- FAE high flow forestry and road site mulching/ flail attachments.
- Buckets.
- Rippers.
- Stump Grinders.
- Log Grabs.
- Rotating Log Grabs.
- Bunching Tree Shears.
- Hydraulic hammers, rock drills, screw anchoring.
- Most Skid Steer Attachments.



Quality

The FM Series is a rugged machine designed and manufactured in Australia using the highest quality parts and components.

The main components of the FM Series are -

- **Frame, Side Frames, Lifting Arms, Fuel, Hydraulic Oil tank & Structural Components** – Made by Recon using Australian made Bisalloy structural steel with a tensile strength of up to 930 MPA.
- **Hydraulic Cylinders** – Manufactured by Norden Cylinders in Brisbane to our specifications.
- **Hydraulic Oil Cooler** – Manufactured by OEM Dynamics in Australia to our specifications.
- **Optional AFFF fire suppression system** – manufactured by QTEC in Brisbane.
- **Optional Recovery Winch**– Manufactured by Gears and Winches in Brisbane.
- **Optional Automatic lubrication system** – Manufactured by Lubecore in Canada.
- **Radio Remote Control Unit** – Assembled in Australia to our specifications with components manufactured in Italy.
- **Machine Control Unit & Display** - Manufactured by Bosch Rexroth.
- **Hydraulic Hosing & Fittings** – Hydraulic hose from Gates and fittings from both Australian and USA manufacturers.
- **Engine** – Manufactured by Deutz engines in Germany.
- **Hydraulic Pumps and valves** – Manufactured by Bosch Rexroth.
- **Travel Drives** – Manufactured by Bosch Rexroth in Germany.
- **Hydraulic Pump Drive Gearbox (FM-120)** – Manufactured by Twin Disc in the USA.
- **Cooling Fans Reversible** – either automatically or by the operator.



EASE OF USE

Our aim at Recon Industries Australia is to think outside of the box to increase safety and productivity. We follow some simple ideas that allow us to design and manufacture products to be -

- Safe, simple to use.
- Easy to maintain.
- Tough & long lasting.

Combining our aim and ideas, our machinery and equipment is suited for some of the hardest and harshest conditions on this planet which are found in Australia.

We have simplified the operator inspections and daily checks with easily accessible inspection points. The on-machine display shows all information relating to the machine including, machine hours, service data and a fault log.

The Radio remote control has a large 2.7-inch LCD display which allows the operator to monitor the machines condition including engine RPM, temperatures and fluid levels.

Once the battery isolator is turned on the operator has full control of all functions of the FM Series including starting and stopping the engine from the radio remote control unit.

Some features of the radio remote control include -

- Adjustable travel speed via a speed setting dial.
- Travel Lock – to allow the machine to be used in a straight line either forwards or reverse without having to worry about steering.
- Work lights high and low beam as well as selectable front and rear lights.
- Recovery winch – The winch is operated from the radio remote control allowing the operator to stand in a safe position.
- Cooling Fan Reverse – The operator is able to manually reverse the cooling fans from the radio remote control to



EASY TO TRANSPORT

The FM series machines are easy to transport!

The FM-80 can easily be transported on an aluminium plant trailer and towed by a car license class vehicle. Even when the FM-80 is fitted with a forestry mulching head which is capable of productivity working in timber up to 120mm in diameter it can be towed on a car license if an appropriate tow vehicle is used.

The FM-120 carrier can also easily be transported on an aluminium plant trailer and towed by a car license class vehicle, if an appropriate tow vehicle is used.



EASY MAINTENANCE

The FM series machines are designed to be easy to maintain.

- large opening covers makes daily access to the machine an easy task.
- All hinges having grease nipples fitted.
- All covers on the machine are can easily be removed with only a few tools and in less than 15 minutes.
- All filters are easily accessible and boost pump filters have both electronic and visual indicators fitted.
- All grease points on the lift arm and cylinders are run back to a central manifold.



General Specifications

General Specifications	RECON FM-80	RECON FM-120
Estimated weight - with mulching head and options fitted	3350kg	4000kg
Length - Carrier only excluding head and rear attachment	2500mm	3000mm
Height – with steel tracks excluding pre cleaner	1350mm	1350mm
Width – carrier only	1600mm	1600mm
Engine	73HP @ 2300RPM	120HP @ 2000RPM
Fuel Capacity	80 Liters	80 Liters
Hydraulic tank capacity – excluding system volume	80 Liters	80 Liters
Under Carriage	Steel tracks with optional rubber pads or rubber tracks	
Hydraulic output maximum flow on high flow circuit	144 LPM	189 LPM
Hydraulic output maximum pressure on high flow circuit	350 BAR	350 BAR
Travel speed	0-7 KPH Variable displacement drives	



For more information or pricing please contact James Gray on
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