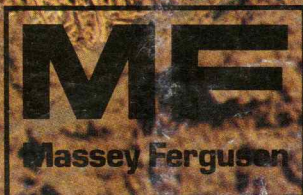


Massey Ferguson

2640

C. Jason





High Specification High Output To Meet Your Needs

Ploughing. Cultivation. P.T.O. work. Drilling. Fertiliser application. Transport.

That's why you need a tractor.

Farm sizes have increased. More must be produced with less labour. The trend toward Winter Cereals has made Autumn a peak work period. Seed beds must be prepared faster.

That's why you need a higher output tractor.

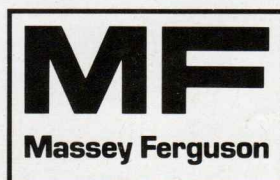
Reliability. Pulling power. Economy. P.T.O. power. Speed. Traction. Powerful hydraulics. Minimum compaction. Operator comfort. Serviceability. After sales service.

That's what you need from a higher output tractor.

Components designed for high horsepower use. 110 DIN horsepower from an economical 6-cylinder Perkins engine. Power that gets through to the wheels and p.t.o. (95 p.t.o. horsepower at rated engine speed). A modern 16-speed gearbox with synchromesh and Speedshift change-on-the-move. Choice of 2WD or 4WD for added traction in difficult conditions. The best hydraulics in the business give smooth operation and big lift capacity (6298 kg at lower link ends with links horizontal). Even weight distribution and flotation tyres. "Supercab" comfort. Well laid out controls. External access to many major adjustment points and components. Automatic top-ups reduce daily maintenance to a minimum. The back-up of Britain's biggest and best trained distributor network.

That's why you need the MF 2640.

Take a closer look. See how this high specification tractor can give the high output you need. Then talk business with your MF Distributor.





2640

MASSEY FERGUSON

MF

MF



Purpose-built for reliable power

Unlike most tractors, the MF 2640 is completely new. MF realised that it was not sufficient to merely stretch and modify existing designs, as this would only result in an unreliable machine as components passed their limits. So our engineers (using their vast experience) went back to the drawing board.

The result is a high horsepower tractor that really is built for the work expected of it. And more. All mechanical assemblies are "oversized" and designed to withstand stresses far greater than anything they will actually face.

The MF 2640 is a tractor you can rely on. It will be there when you need it and will minimise your repair bills.

Perkins A6 354.4 Engine

Specially designed for agricultural application, the new engine is immensely strong. Performance and reliability are assured.

High power output and work rate are achieved with minimum fuel consumption, so cost per hectare is reduced.

The excellent lugging ability brings many advantages. Optimum speed of operation; reduced gear changing; less transmission wear; minimal wheel slip and soil smearing; reduced

tyre wear.

Therefore, work will be completed faster. The operator will not tire so quickly, allowing him to work longer hours. The tractor will have a longer life. Running costs and soil damage will be kept to a minimum.

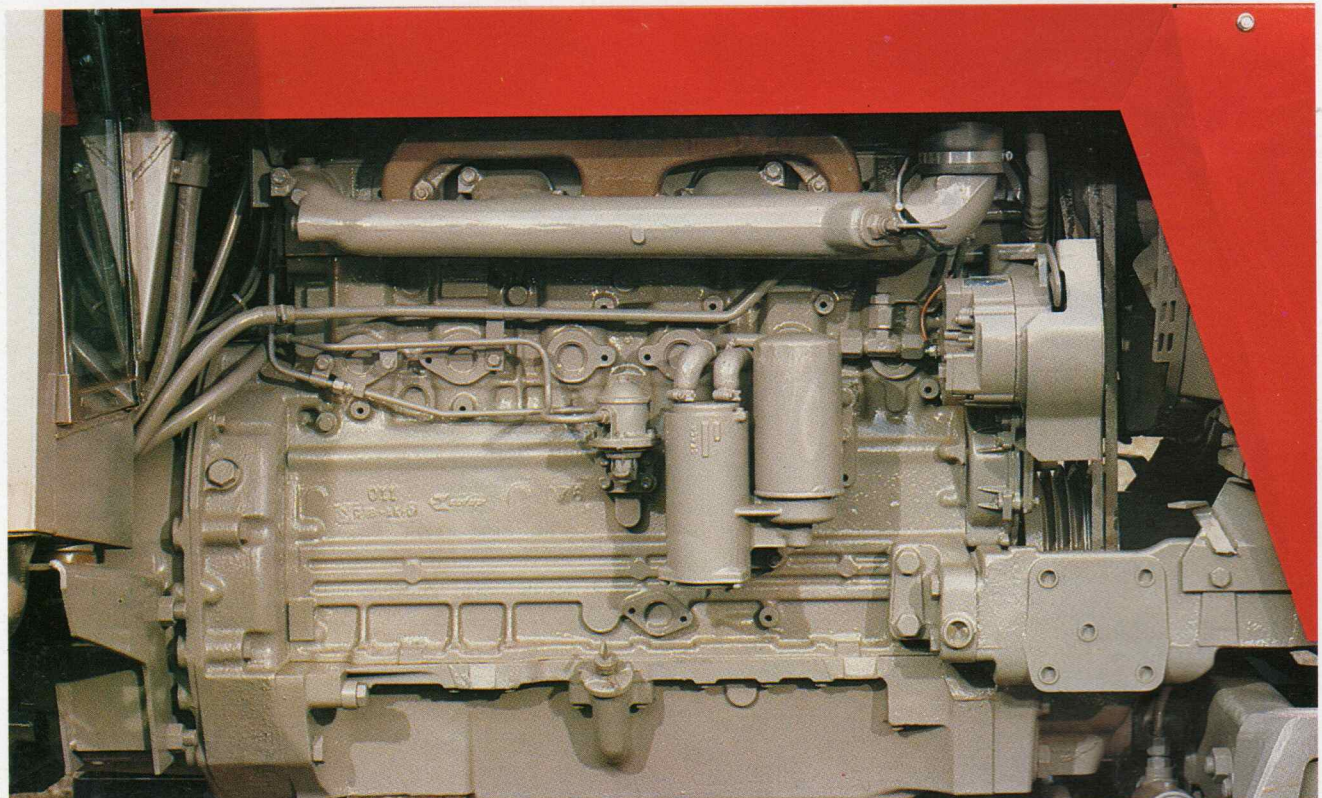
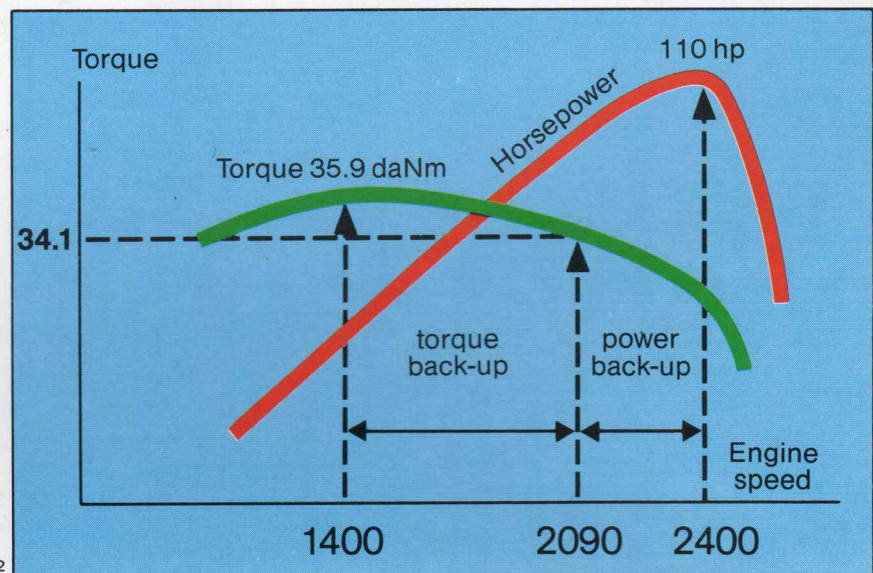
Time is also saved thanks to the simple servicing and maintenance requirements. And when parts are needed, you will find that they are quickly available. Down-time is minimised.

Large rear mounted fuel tank

A capacity of 213 litres (47 gallons) eliminates refuelling stops, allowing you to work continuously all day and so increase productivity. The large filler prevents mess or fuel waste. Access steps allow you to refuel easily and safely.

1. Reliability, economy, and high output are provided by the Perkins A6 354.4 engine.

2. Maximum torque is achieved at low engine speed.





Hydraulically actuated diaphragm clutch

Clutch actuation is smooth and effortless. It is self-adjusting and automatically topped-up with hydraulic oil, so maintenance is eliminated and you will not need to buy special fluid.

Even pressure is applied to the disc. There are no hot spots or service adjustments. You will find this clutch reliable, durable, and easy to use.

16-speed synchromesh gearbox

Helical cut gears in constant mesh ensure that the high power is transmitted safely. Tooth damage is eliminated and durability is assured.

A total of 8 synchromesh changes are possible. Levers are conveniently grouped to the operators right hand making gear selection simple and effortless.

16 carefully chosen ratios allow perfect matching of speed to working conditions. Maximum output and fuel economy are easily achieved. Speedshift change-on-the-move is

engaged at the flick of a lever, without de-clutching. There is no break in transmission so traction is maintained. You will pull through difficult conditions without effort and without damage to soil or tyres.

Hydraulically engaged 4 WD

4 wheel drive is hydraulically engaged on-the-move. You just flick a lever. The added traction gives more efficient use of engine power, and you can work in adverse conditions without the worry of getting stuck. Safety is also improved on steep hills.

Fully protected central drive shaft

The simple drive line is very reliable and easy to maintain, with no universal joints or telescopic shafts. Good ground clearance prevents crop damage. You will not waste time

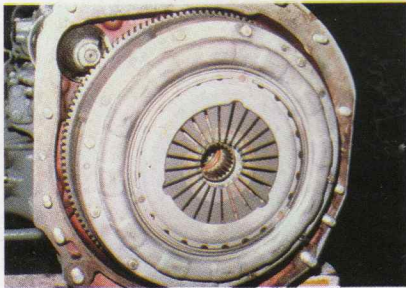
unwrapping it, and will not lose money from damaged crops. The central position also gives unrestricted movement of the front wheels so manoeuvrability is excellent.

Hydraulically Operated Brakes

The large double faced wet disc brakes are efficient and safe. The system is automatically topped-up with hydraulic oil. Therefore you will not need to buy special fluid or spend time maintaining the system.

Differential Lock

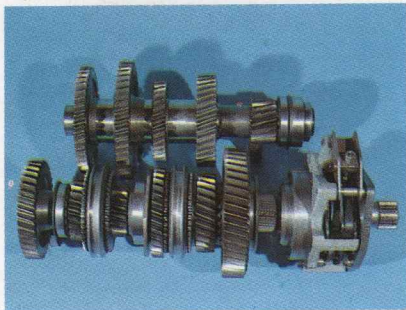
To engage the rear differential lock (and front axle on 4WD), the lock pedal need only be depressed once. To disengage, depress a second time. You will find it easy and convenient to operate.



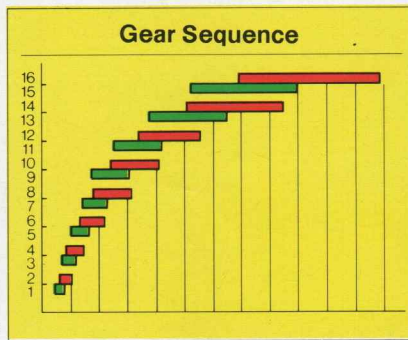
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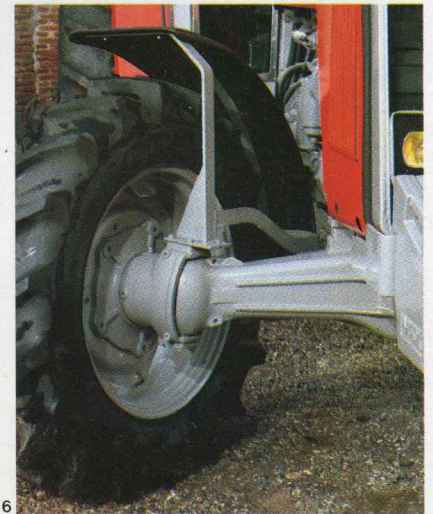


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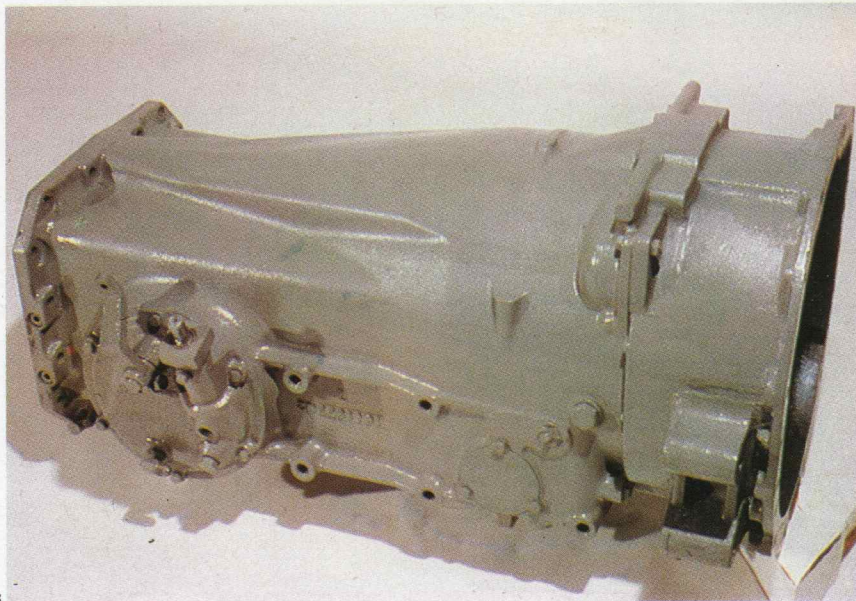


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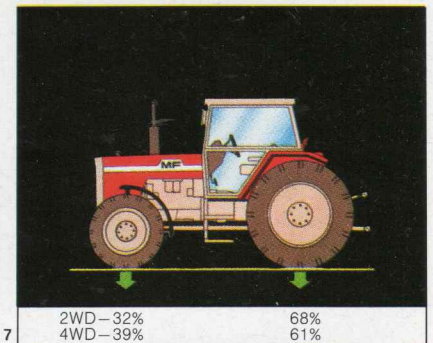
- 1. Diaphragm clutch.
- 2. Transmission shafts are supported by heavy taper roller bearings
- 3. Exceptionally strong gearbox housing.
- 4. Two lever gear system is easy to operate.
- 5. Gears are well spaced in logical sequence.
- 6. Four wheel drive version available.
- 7. Even weight distribution.
- 8. Epicyclic reduction units reduce torque loadings.



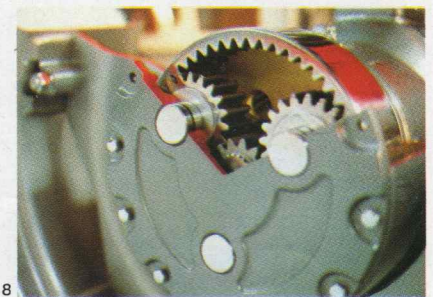
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Power Take Off

Drive to the fully independent p.t.o. is engaged by a hydraulic clutch pack. There is no need to disengage the transmission clutch. You will increase output by engaging and disengaging on the move.

Versatility is assured with interchangeable shafts operating at 540 and 1000 rev/min.

Dual Element Hydraulic Pump

The gear-type hydraulic pump operates at two levels. A low pressure element supplies the Speedshift, differential lock, p.t.o. and 4WD clutches. There is no oil starvation to any unit.

The high pressure system gives positive steering, controlled trailer braking, efficient external hydraulics, and powerful linkage.

This system ensures safety and a higher work output.

Lower Link Sensing (Draft Control System)

With soil engaging implements, draft forces are measured through the lower links. This gives accurate depth control with maximum traction.

You will benefit from better quality work and increased output.

Position Control

Linkage height is accurately controlled when using non-soil engaging implements.

Intermix

When using semi-mounted implements, intermix prevents the draft control system from over-reacting. Accurate contour following and maximum traction are assured. You need not worry about ploughing too deep and will achieve increased output plus higher quality work.

Dual Spool Valves

External single or double acting

rams can be operated from within the cab. You can match existing or new machinery without extra cost. Implements can be operated quickly, efficiently and in comfort.

Integrated Hydraulic Trailer Braking

Hydraulic brakes fitted to trailed equipment can be operated progressively in conjunction with the tractor braking system. You will increase output by driving faster, with the knowledge that safety is assured.

Linkage

The heavy duty rear linkage will comfortably handle heavy implements, while the hooks save valuable time and manual effort. Attachment is achieved quickly and easily from the driver's seat.

9. 540 and 1000 rev/min p.t.o.

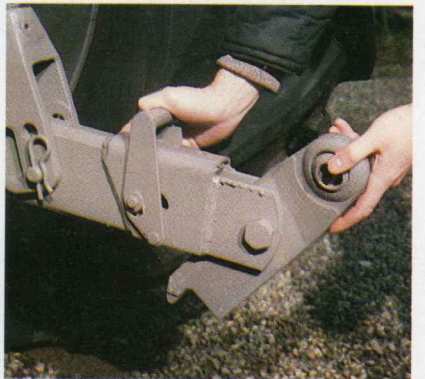
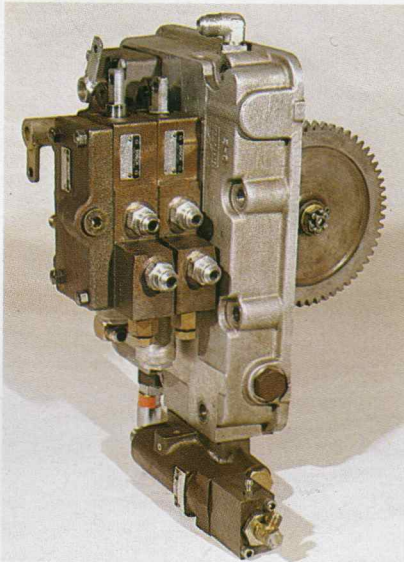
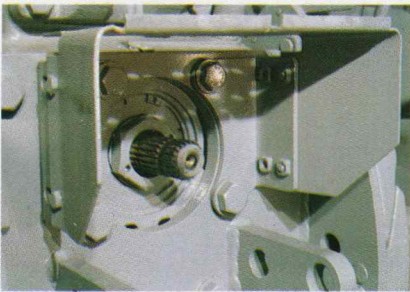
10. Hydraulic pump.

11. Powerful hydraulics.

12. Simple hydraulic controls.

13. Hinged lower links.

14. Option of front p.t.o. and linkage.







Integral "Supercab" for a full day's work

The MF 2640 is built to give continuous high output. So if the operator is to get the most from his machine, he too must work effectively, all day long. To do so, he must be kept comfortable and alert. The MF 2640 "Supercab" does just that.

Because the MF 2640 is a completely new tractor, the cab is an integral part of the design. It is not just an add-on. It is purpose-built and incorporates the features that will dramatically increase productivity on your farm.

Efficient Access

Access to the cab is quick and easy. The large rear-hinged door can easily be closed from the operator's seat. Large self-cleaning footsteps are safe, and prevent excess mud getting into the cab.

Super Comfort Seat

The operator's seat can be adjusted for weight, height, and reach. Folding armrests also help to increase

comfort and reduce fatigue.

Fatigue-Free Operation

All controls are within easy reach of the operator's right hand, leaving the left hand free for the power steering.

The pendant pedals are well positioned for natural progression of the leg.

All-Round Visibility

Slim corner pillars and a massive glass area of 47239 cm² (7336 in²) ensure excellent visibility. Safer, more accurate work is assured.

The large flat windscreen reduces

reflection inside the cab and together with the tinted glass, this minimises eye strain.

Gas struts support the large opening rear screen. Access to the attaching cables for the hook linkage is easy, and attachment/detachment of implements is quick and safe.

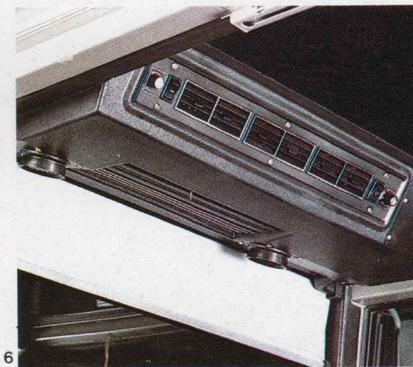
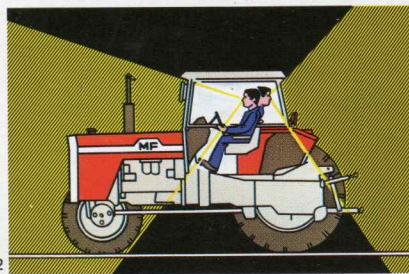
Perfect Environment

The operator has complete control over the cab environment. No matter what the weather outside, temperature inside the cab can be adjusted as required with air conditioning as standard.

Both fresh and recirculated air is filtered. The cab is also pressurised to prevent dust ingress.

Noise and vibration are eliminated by the rubber mounting blocks, and thick acoustic insulation.

1. Easy access.
2. All-round visibility.
- 3 and 4. Full lighting for night work.
5. Controls grouped to the operator's right hand.
6. Full air-conditioning.





Thoughtful design to minimise down-time

The MF 2640 has been designed to work unfailingly season after season, year after year. It is built to give optimum output at all times.

But any tractor must be serviced and maintained, and that means lost working time. It is vital, therefore, to complete these tasks as quickly as possible. So Massey Ferguson have made sure that this non-productive time is kept to a minimum.

Fast, Efficient Service

Great care has been taken to simplify access to the hydraulic components. The hydraulic filter, pump, control box and rams are all external. The same applies to the I.P.T.O. clutch pack, which can be easily serviced through the hydraulic filter side cover.

This thoughtful design will reduce your down-time to a minimum. Productivity will be maintained, and large savings will be made on labour charges.

Automatic Top-ups

The clutch and brake reservoirs are automatically topped-up with hydraulic oil, thus reducing daily maintenance requirements to a minimum.

Simple Periodic Maintenance

All components requiring routine maintenance are easily accessible.

- Radiator filler cap on top of the hood, easily reached by means of a footstep and grab handle.
 - Engine oil dipstick, filler and filter, located on the right hand side.
 - Transmission oil dipstick, accessible from the rear of the tractor and located in the centre housing.
 - Fuel tank filler is wide, with a footstep and grabhandles giving easy access.
 - Cab air filter is removable from outside the cab roof.
 - Battery tray slides out from behind the cab footsteps.
 - Air cleaner, air conditioning radiator and dehydrator, oil cooler (hydraulics), radiator and windscreen washer bottle are all directly behind the quick-detach radiator grille.
- You will find daily service and maintenance quick and easy to

accomplish. This will not only save valuable working time, but will actually encourage the operator to complete these routine jobs. Therefore, your machine will be kept in peak condition, and its working life extended.

Unbeatable Back-up

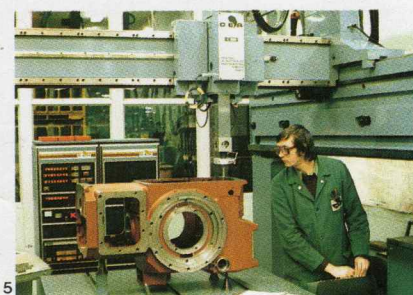
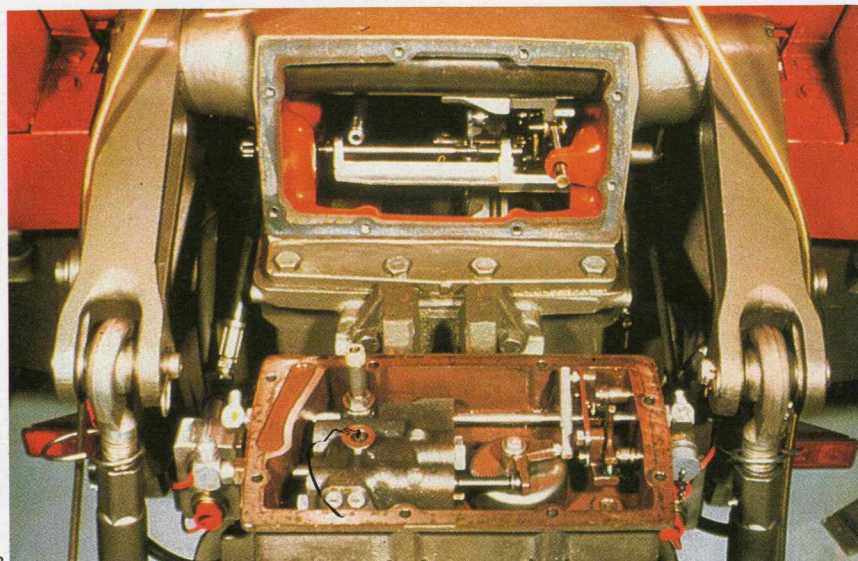
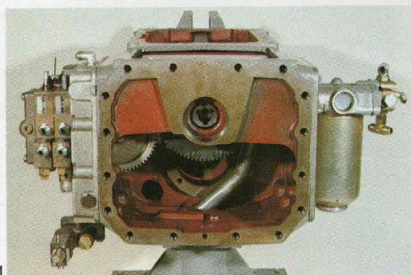
The Massey Ferguson distribution network is the most comprehensive available to UK farmers. With around 200 outlets nationwide, you are within easy reach.

Parts availability is second to none. Your local MF Distributor carries a large stock of MF Powerparts, and also has the backing of our UK Central Parts Operation. This is the largest agricultural parts complex in Europe, stocking over 90,000 parts lines.

Distributor staff are trained at the MF Training Centre near Stoneleigh, Warwickshire. The largest of its kind in the world, it incorporates workshops, lecture rooms and MF's own farm for practical instruction.

When you buy an MF 2640, the back-up of Britain's biggest, best trained Parts and Service network is all part of the deal.

1. Externally mounted pump and filter.
2. Easy access to hydraulic adjustments.
3. Large dry air filter.
4. Sliding battery tray.
5. High quality components are carefully checked.



Specification

Performance

Rated engine power
@ 2400 rev/min *81 kW (110 hp).
Max. engine torque
@ 1400 rev/min *35.9 daNm (265 lbf ft).
Max. P.T.O. power 70 kW (95 hp).
P.T.O. power
@ 540 rev/min †64 kW (87 hp).
@ 1000 rev/min †65.5 kW (89 hp).
*DIN 70020
†Manufacturers estimate

Engine

Make Perkins
Type A6 354.4.
No. of cylinders 6.
Injection Direct.
Bore 98 mm (3.9 in).
Stroke 127 mm (5.0 in).
Capacity 5.8 litre (354 in³).
Compression ratio 16:1.
Aspiration Natural.
Starting aid CAV thermostart.
Cooling Water.
Thermostat controlled.
Twin fan belts.
Air cleaner Dual, dry element with warning light & buzzer.

Electrics

Voltage 12V negative earth
Battery 2 x 105 Ah.
Alternator 55 A with integral voltage regulator.

Clutch

Type Diaphragm spring, single plate dry clutch.
Diameter 356 mm (14 in).
Lining material Cerametallic.

Transmission

Number of gears 16 forward, 12 reverse
Speedshift/synchromesh with manual shuttle.
Inboard epicyclic gears.

Road Speeds

Final drive type
Gear Mile/h
1 1.20
2 1.60
3 1.67
4 2.22
5 2.50
6 3.34
7 3.46
8 4.62
9 4.57
10 6.10
11 6.34
12 8.45
13 9.55
14 13.73
15 13.20
16 17.60

Power Take-Off

Type Fully independent.
Operation Hand lever actuating hydraulic clutch.
Speeds 540 rev/min @ 1992 engine rev/min.
1000 rev/min @ 2090 engine rev/min.

Method of speed change

By output shaft interchange.

Shaft diameter 35 mm (1.38 in).
Number of splines 540 rev/min—6 square splines.
1000 rev/min—21 involute splines.

Hydraulics

Functions Draft control, position control, intermix, auxiliary hydraulics.
Maximum lift capacity (at lower link ends) 6298 kg (13884 lb).
Lower links Quick coupling hooks.

Auxiliary Hydraulics

Maximum output 51 litre/min (11.2 Imp. gal/min) @ 155 bar (2250 lbf/in²).
Maximum pressure 175 bar (2538 lbf/in²).

Brakes

Type Oil cooled single plate discs.
Lining material Organic.
Diameter 356 mm (14 in).
Operation Hydraulically actuated.
Parking brake 136 mm (5.4 in) disc brake mounted on gearbox output shaft.

Steering

Type Hydrostatic power.

Wheels and Tyres

2 WD Front— 10.00— 16 8PR
Rear— 16.9/14— 38 8PR radial.
4 WD Front— 12.4/11— 28 8PR
Rear— 16.9/14— 38 8PR radial.

Track Adjustment

2 WD Front— 1.52-2.02 m (60-80 in).
Rear— 1.56-2.27 m (62-89 in).
4 WD Front— 1.60-2.07 m (63-82 in).
Rear— 1.56-2.27 m (62-89 in).

Weights and Dimensions

2 WD Weight:
Front— 1860 kg (4101 lb).
Rear— 3120 kg (6878 lb).
Total— 4980 kg (10979 lb).
4 WD Weight:
Front— 2090 kg (4608 lb).
Rear— 3200 kg (7055 lb).
Total— 5290 kg (11663 lb).

Overall length (links horizontal) 5.09 m (200 in).
Overall width 2.12 m (83 in).
Overall height over exhaust 3.12 m (122 in).
over cab 2.83 m (111 in).
Wheelbase 2.73 m (107 in).
Ground clearance under chassis 470 mm (18.5 in).

Capacities

Fuel tank 213 litre (47 Imp. gal).
Engine sump 19 litre (33 Imp. pt).
Cooling system 27 litre (47.5 Imp. pt).
Hydraulic system 85 litre (18.7 Imp. gal).

Super De-luxe Q Cab

Construction Monocoque, welded steel structure.
Lining Acoustic foam-backed vinyl and rubber floor covering.
Visibility 47329 cm² (7336 in²) glass area. Tinted glass as standard.
2 speed, self parking, windscreen wiper and washer.
Rear screen wiper and washer.
Temperature control Heater with 2 speed blower and air conditioning.
Air filtration Both fresh and recirculated air is filtered. Cab is pressurised to prevent dust entering the cab.

Standard Features

110 DIN hp engine.
16 speed Speedshift gearbox.
2 speed independent P.T.O.
Hydraulic system with 51 litre/min (11.2 Imp. gal/min) capacity dual element pump.
Hydraulically actuated, oil cooled disc brakes.
High specification, low noise Q cab.
Two double/single acting spool valves.
Swinging drawbar.
Differential lock. (Also front axle on 4WD).
Hydraulic trailer brakes.
Steel wheel centres.

Optional Equipment

Fully independent front P.T.O.
Hydraulic 3-point front linkage.
Third double/single acting spool valve.
Front weights.
Combination clevis auto hitch.



MF

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NOTE: This leaflet is published for world-wide distribution and the availability of equipment shown either as basic or accessory, varies according to the territory in which the machine is to be used. Details of equipment available in your area can be obtained from your Massey-Ferguson Distributor/Dealer.
In accordance with the Company's policy of continuous improvement to its machines, alterations in the specifications of machines may be made at any time without notice. The Company accepts no responsibility for any discrepancies which may occur between the specifications of its machines and the descriptions thereof contained in its publications.

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