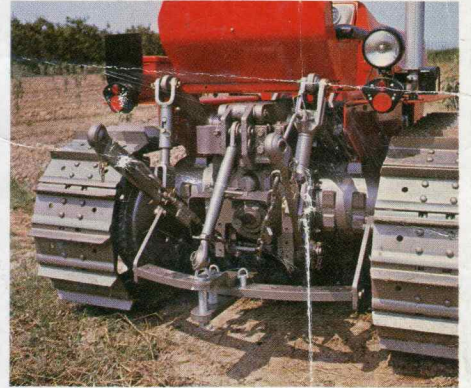
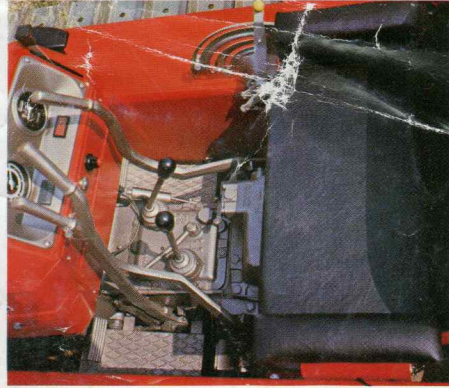


MF174C



MF174C Crawler

Specification



Engine

A4.236 four cylinder direct injection diesel engine by Perkins to Massey-Ferguson specifications.

Capacity

386 litres (236 in³)
9814 mm (3875 in)

Stroke

127 mm (1 1/4 in)

Compression ratio

16 : 1

Injection pump

Distributor type

Governor

Mechanical

Power at rated speed of

2200 rev/min 45.5 kW (61 †DIN)

Maximum torque at 1300 rev/min

23.1 kgf m
170.6 lbf ft

†DIN. 70020 rating.

Power Take-off

Drive proportional to engine speed
Diameter 35 mm (1 3/8 in)
6 splines, annular groove and transverse hole.

Shaft

Engine Speed

Gives 540 p.t.o. rev/min at 1944 engine rev/min
Dual clutch with fully independent hand lever control

Transmission

Clutch

Single dry with hand lever operation
4 forward and two reverse with reduction unit giving 'High' and 'Low' ranges to provide 8 forward and 4 reverse gears.

Final Drive

Conventional differential

Road Speeds

Forward Gear	km/h	Engine 2200 rev/min.	mile/h
1	1.38		.86
2	1.81		1.12
3	2.41		1.5
4	3.43		2.13
5	4.51		2.8
6	5.90		3.67
7	7.88		4.9
8	11.20		6.96
Reverse Gear			
1	2.76		1.72
2	3.62		2.25
3	4.83		3.00
4	6.87		4.27

Hydraulics Functions

Two-way Draft Control, Position Control and Response Control.

Linkage

Cat. 2 with top link screw adjustable.
Static lift force with lower links horizontal 2300 kg (5297 lb) at link ends.

Linkage Pump

Gear type engine mounted.
Delivery 28 litres/min (6.2 gal/min) at 2200 engine rev/min.
Oil supply available for external services, maximum pressure 170 kgf/cm² (2418 lbf/in²)
Single spool valve.

Steering

Multiple plate dry clutches operated by independent control hand levers.

Brakes

Dry band brakes on the outer drums of the steering clutches independently controlled by two foot pedals.
Parking brake.

Track Carriers, Suspension and Track Chains

Track Carriers
Five bottom track rollers and one top track roller with Life Time lubrication. Idler wheel, Life Time lubricated with helical spring damper and hydraulic track tensioner.

Suspension

Rear—by crossbar on the track carriers. The crossbar rests on the lubricated bushes allowing independent swinging of the track carriers.
Front—by transversal leaf spring.

Track Chains

35 links per chain.

Dimensions, Weights and Capacities

Length	2830 mm (111 in)
Width	1660 mm (65.4 in)
Height	1190 mm (47 in)
Width of tracks	360 mm (14 in)
Track Centres	1300 mm (51 in)
Wheelbase	1520 mm (60 in)
Ground Clearance	350 mm (13.8 in)
Weight	3340 kg (7363 lb)

Capacities

Fuel tank	62 litres (13.6 gal)
Cooling system	15 litres (3.3 gal)
Engine sump	9 litres (2 gal)
Transmission	14 litres (3.1 gal)

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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