

MF 290

78HP

GENERAL SPECIFICATION

Model	Massey Ferguson 290
Length	2WD: 3,830 mm (151 in.) 4WD: 3,880 mm (153 in.)
Width	2,150 mm (85 in.)
Height	1,690 mm (70 in.)
Wheelbase	2WD: 2,130 mm (84 in.) 4WD: 2,290 mm (90 in.)
Ground clearance	370 mm (15 in.)
Weight (operating)	2,694 kg (5,940 lb.)
Fuel tank capacity	80.0 l (21.0 Gal.)
Battery	2x12V

TIRES SIZE

Front tires	6.50-16 7.5L-15 7.50-16 9.5L-15 10.00-16
Rear tires	4WD: 12.4-24 16.9x24 16.9-28 16.9-30 18.4-30 15.5-38

ENGINE

Engine model	Perkins A4.248
Number of Cylinders	4
Firing order	1-3-4-2
Fuel	Diesel
Displacement	4.06 L, 4,060 cc (248 cu.in.)
Bore x stroke	101 x 127 mm (3.975 x 5.0 in)
Power output	PTO: 67 PS (49.2 kW; 66 HP) - Gross: 81 PS (59.7 kW; 80 HP)
Torque	-
Starter type	Electric starter
Oil type	-
Governed Speeds	Low Idle: 725-775 rpm; High Idle: 2,185 rpm; (no load) Rated: 2,000 rpm (full load)
Oil capacity	6.6 L (7.0 U.S. qt)
Coolant capacity	11.3 L (12.0 U.S. qt)
Injection Timing, B.T.D.C.	24°
Injector opening pressure	17,235 kPa (2,500 psi)
Valve clearance (Cold)	Intake: 0.30 mm (0.012 in.) Exhaust: 0.30 mm (0.012 in.)
Valve clearance (Hot)	Intake: 0.25 mm (0.010 in.) Exhaust: 0.25 mm (0.010 in.)

GEAR TRANSMISSION

Transmission type	Gear shift Gears 8 forward and 2 reverse
Ground speed	Forward: up to 32.8 km/h (20.4 mph) Reverse: up to 13.5 km/h (8.4 mph)

TRANSMISSION & CHASSES

Chassis	4x2 2WD or 4x4 MFWD 4WD
Steering	Hydrostatic power assisted

MULTI-POWER TRANSMISSION

Transmission type	Multi-Power (Three speeds in two ranges plus two-speed power shift operated by pedal)
Gears	12 forward and 4 reverse
Ground speed	Forward: up to 30.6 km/h (19.0 mph) Reverse: up to 15.6 km/h (9.7 mph)

PTO (POWER TAKE-OFF SHAFT)

PTO Type:	Rear, live type with dual clutch Rear, independent (option)
PTO Speed:	540 rpm 540/1000 rpm

HYDRAULIC LIFT

3-point linkage:	Category II
Control system:	-
No. of remote valves:	1-3
Max lifting capacity (at link end):	-

HYDRAULIC SYSTEM

Type	Open center
Total flow	53.0 lpm (14 gpm) or 64.3 lpm (17 gpm)
Pressure	207 bar (3,000 psi)
Oil capacity (Transmission, Differential and Hydraulic System)	41.6 L (11.0 US. gal.)
Rear axle planetary (Each)	1.4 L (1.4 U.S. qt.)
Power steering	1.1 L (1.2 U.S. qt.)



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