



GENERAL SPECIFICATION		TIRES SIZE	
Model	Massey Ferguson 290	Front tires	6.50-16
Length	2WD: 3,830 mm (151 in.)		7.5L-15
	4WD: 3,880 mm (153 in.)		7.50-16
Width	2,150 mm (85 in.)		9.5L-15
Height	1,690 mm (70 in.)		10.00-16
Wheelbase	2WD: 2,130 mm (84 in.)		4WD: 12.4-24
	4WD: 2,290 mm (90 in.)	Rear tires	16.9x24
Ground clearance	370 mm (15 in.)		16.9-28
Weight (operating)	2,694 kg (5,940 lb.)		16.9-30
Fuel tank capacity	80.0 l (21.0 Gal.)		18.4-30
Battery	2x12V		15.5-38
ENGINE		TRANSMISSION & CHASSES	
Engine model	Perkins A4.248	Chassis	4x2 2WD or 4x4 MFWD 4WD
Number of Cylinders	4	Steering	Hydrostatic power assisted
Firing order	1-3-4-2	MULTI-POWER TRANSMISSION	
Fuel	Diesel	Transmission type	Multi-Power (Three speeds in two ranges plus two-speed power shift operated by pedal)
Displacement	4.06 L, 4,060 cc (248 cu.in.)	Gears	12 forward and 4 reverse
Bore x stroke	101 x 127 mm (3.975 x 5.0 in)	Ground speed	Forward: up to 30.6 km/h (19.0 mph) Reverse: up to 15.6 km/h (9.7 mph)
Power output	PTO: 67 PS (49.2 kW; 66 HP) - Gross: 81 PS (59.7 kW; 80 HP)		
Torque	-	PTO (POWER TAKE-OFF SHAFT)	
Starter type	Electric starter	PTO Type:	Rear, live type with dual clutch Rear, independent (option)
Oil type		PTO Speed:	540 rpm 540/1000 rpm
Governed Speeds	Low Idle: 725-775 rpm; High Idle: 2,185 rpm; (no load) Rated: 2,000 rpm (full load)	HYDRAULIC LIFT	
Oil capacity	6.6 L (7.0 U.S. qt)	3-point linkage:	Category II
Coolant capacity	11.3 L (12.0 U.S. qt)	Control system:	-
Injection Timing, B.T.D.C.	24°	No. of remote valves:	1-3
Injector opening pressure	17,235 kPa (2,500 psi)	Max lifting capacity (at link end):	-
Valve clearance (Cold)	Intake: 0.30 mm (0.012 in.) Exhaust: 0.30 mm (0.012 in.)	HYDRAULIC SYSTEM	
Valve clearance (Hot)	Intake: 0.25 mm (0.010 in.) Exhaust: 0.25 mm (0.010 in.)	Type	Open center
GEAR TRANSMISSION		Total flow	53.0 lpm (14 gpm) or 64.3 lpm (17 gpm)
Transmission type	Gear shift Gears 8 forward and 2 reverse	Pressure	207 bar (3,000 psi)
Ground speed	Forward: up to 32.8 km/h (20.4 mph) Reverse: up to 13.5 km/h (8.4 mph)	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.)