

Massey Ferguson

283



MF 283 SPECIFICATIONS

Engine

Model: Perkins A4.248
Type: Four Cylinder, direct injection
PTO Horsepower*: 67 horsepower @ 2200 engine RPM

*Manufacturer's Rating

Cylinder Bore: 3.97" (101 mm)
Piston Stroke: 5" (127 mm)
Total Displacement: 248 cu. in. (4.06 litres)
Compression Ratio: 16.1
Firing Order: 1-3-4-2
Cylinder Sleeves: Dry
Idle Speed: 725-775 RPM
Maximum Speed: 2380 RPM
Throttle Controls: Hand and Foot
Governor: Built-in injection pump
Fuel Injection Pump: CAV, DPA Distributor Type
Fuel Injectors: CAV Multi-Hole Type
Fuel Filtering System: 1 Filter, full flow with replaceable element
Air Filtering System: Dry, dual element with electrical restriction indicator
Exhaust System: Vertical with ceramic coated, muffler

Electrical System

Starter Switch: Key Operated
Starter: 12 Volt, 4 Pole
Alternator: 32 Amp—continuous output, diode-rectified A.C. type with built-in solid state regulator
Battery: 1—420 CCA @ 0°F (-18°C)

Brakes

Service: Independent mechanically actuated wheel brakes with five 8 $\frac{3}{4}$ " (222.4 mm) discs per side operating in oil
Parking: Mechanical linkage on service brakes

Steering

Hydrostatic power steering with engine driven pump

Hydraulic System

Lift Pump: Piston type, variable displacement
Maximum Pressure: 3000 psi (207 bar)
Delivery: 4.3 gpm (16.25 litres/min) @ 2800 psi (190 bar)
Control: Oscillating control valve on inlet of 3-point hitch pump
Lift Capacity (ASAE): 3587 lbs. (1627 kg)
Category: II

Power Train

Clutch:
Type: Dual Dry Disc
Tractor Clutch: Coil spring-loaded, 12" (305 mm) diameter
PTO Clutch: Belleville spring-loaded, 10" (254 mm) diameter
Operation: Two stage pedal action

Transmission: 8 forward, 2 reverse speed consists of 4-speeds forward and 1-speed reverse "sliding" gear set, compounded by a dual range planetary reduction gear set.

Final Drive: Spiral bevel gear with straddle-mounted pinion in combination with planetary final reduction on each axle. Flange type rear axles.

Differential Lock: Mechanical engaged by operator's foot.

PTO: Continuously driven "live" single speed PTO with 6 spline 1 $\frac{3}{8}$ " (35 mm) shaft. Provides 540 PTO RPM @ 1789 engine RPM. Includes ground PTO drive.

Transmission Speeds

Forward Gear	Ground Speeds*	
1 L	1.5 mph	2.4 km/h
2 L	2.2 mph	3.6 km/h
3 L	4.1 mph	6.5 km/h
4 L	5.0 mph	8.0 km/h
1 H	6.2 mph	10.0 km/h
2 H	9.1 mph	14.6 km/h
3 H	16.6 mph	26.8 km/h
4 H	20.4 mph	32.8 km/h
Reverse		
1R L	2.0 mph	3.3 km/h
2R H	8.4 mph	13.6 km/h

*Ground Speed indicated @ 2200 engine RPM with 18.4-30 R-1 rear tires.

Dimensions

Wheel Base: 84" (2134 mm)
Length Overall (Approx): 146.6" (3723 mm)
Width Overall (Approx): 82.9" (2093 mm)
Wheel Tread (Front): 54.0"-70.0" (1372-1778 mm)
Wheel Tread (Rear): 64.0"-92.0" (1626-2337 mm)
Turning Radius (w/o brake): Approx. 12.5 ft. (3810 mm)
Ground-Clearance (Approx): 13.9" (350 mm)
Shipping Weight (Approx): 5687 lbs. (2585 kg)
Max. Operating Weight: 10,000 lbs. (4535 kg)

Tires

Front: 7.50-16, 6 Ply F2
Rear: 18.4-30, 6 Ply R1

Capacities

Fuel Tank: 23.8 U.S. gal. (90 litres)
Cooling System: 15 U.S. qts. (14.2 litres)
Crankcase with filter change (Approx): 8 U.S. qts. (7.6 litres)
Crankcase w/o filter change (Approx): 7 U.S. qts. (6.7 litres)
Hydraulic System (Approx): 11 U.S. gal. (41.8 litres)
Power Steering Reservoir (Approx): 1.2 U.S. qts. (1.1 litres)
Planetary—Rear Axle: 1.5 U.S. qts. (1.4 litres)

NOT FOR SALE IN THE STATE OF NEBRASKA.

MF reserves the right to change design and specifications of its products without notice or obligation.

