

Massey Ferguson 385 (4WD)

MASSEY FERGUSON

MF-385 85HP - 4WD

- > Traction 30% more than 2WD
- > Drawbar Power 16% more
- > Drawbar Pull 34% more
- > Tyre Wear 15% less
- > Fuel Efficiency 15% more
- > Field Work Speed 13-20% more



PERFORMANCE

| | |
|-----------------------------------------|-------------|
| Maximum Engine Power at 2,200 rpm | 85(B.S.)hp* |
| Maximum Torque at 1,600 rpm | 291 Nm |
| Maximum PTO Power at 2,200 engine speed | 70 hp** |
| * Certified at BS AU 141a : (1971) | |
| ** Manufacturer's estimate | |

ENGINE

| | |
|-------------------|-------------------------------------|
| Type / Make | Diesel / 4.41 |
| No. of Cylinders | 4 |
| Injection | Direct |
| Bore | 101 mm |
| Stroke | 127 mm |
| Capacity | 4.1 l |
| Compression Ratio | 15.3 : 1 |
| Aspiration | Natural |
| Starting Aid | Thermostat |
| Throttle Control | Hand and Foot |
| Cooling | Water |
| Air Cleaner Type | Oil bath |
| Air Pre-Cleaner | Over Bonnet |
| Fuel Filter | Dual, High Capacity with Sedimentor |
| Exhaust | Vertical Muffler |
| Oil Cooler | Water Cooled |

ELECTRICS

| | |
|----------------------|---------------------|
| Voltage | 12V, Negative Earth |
| Battery | 110 Ah |
| Starter / Alternator | 45 Amp / 2.8 kW |

CLUTCH

| | |
|-----------------|--------------|
| Type | Dual |
| Diameter | 305 x 254 mm |
| Lining Material | Ceramic |

TRANSMISSION

| Type | Sliding Spur |
|---------------------------------------------------------------|----------------------|
| Number of Gears | 8 forward, 2 reverse |
| Road Speed at 2,250 Engine rpm with 12.4 / 11 - 28 Rear Tyres | |
| Gear | Speed (kph) |
| Forward 1 (First Low) | 2.7 |
| Forward 2 | 3.7 |
| Forward 3 | 5.1 |
| Forward 4 | 6.8 |
| Forward 5 (First High) | 10.4 |
| Forward 6 | 15.2 |
| Forward 7 | 20.8 |
| Forward 8 | 27.9 |
| Reverse 1 (Low) | 3.5 |
| Reverse 2 (High) | 14.1 |

POWER TAKE OFF

| | |
|-----------------------------|-----------|
| Type | Live |
| Engine speed at 240 PTO rpm | 1,789 rpm |
| Shaft Diameter | 35 mm |
| No. of Splines | 6 |

HYDRAULICS

| | |
|------------------------------------------------|---------------------------------------------------------------------|
| Functions | Draft Control, Position Control, Response Control, Constant Pumping |
| Pump Type | 4 Piston Ferguson Pump |
| Maximum Oil Flow | 16.7 l/min |
| Maximum Pressure | 21 MPa (205 bars) at normal operating temperature |
| Max. Lift Capacity with Lower Links Horizontal | 2,145 kg |
| Lower Links | With Cat, I & II interchangeable balls |

4WD FRONT AXLE

| | |
|------------|----------------|
| Type | Parallel drive |
| Engagement | Mechanical |

STEERING

| | |
|------|-------------|
| Type | Hydrostatic |
|------|-------------|

REAR AXLE AND BRAKES

| | |
|-----------------|-----------------------------------|
| Axle Type | Straddle with epicyclic reduction |
| Brake Type | Oil immersed, multi-disc |
| Brake Pedal | Pendant |
| Breaking Area | 1,774 Sq.Cm |
| Brake Actuation | Hydraulic |
| Parking Brake | Hand Lever Operated |

INSTRUMENTATION

| | |
|----------------|------------------------------------------------------------------------------------------------------------------------------|
| Gauges | Technometer, Hourmeter, Fuel Level, Battery Condition & Water Temperature |
| Warning Lights | Direction Indicators, Electric Charge, Headlight Main Beam, Low Engine Oil Pressure, 4WD Indication Light & Auxiliary Socket |

TYRES

| | |
|-------|----------------------|
| Front | 12.4 / 11 - 24 (6PR) |
| Rear | 18.4 / 15 - 30 (6PR) |

TRACK ADJUSTMENT

| | |
|------------|------------------|
| Front Axle | 1,376 - 1,944 mm |
| Rear Axle | 1,423 - 2,134 mm |

WEIGHT & DIMENSIONS

| | |
|---------------------------|----------|
| Weight | |
| Maximum weight front axle | 1,211 kg |
| Maximum weight rear axle | 1,549 kg |
| Gross Weight | 2,760 kg |

Dimensions

| | |
|---------------------|----------|
| Wheel Base | 2,350 mm |
| Overall Length | 3,810 mm |
| Overall Width (Min) | 1,817 mm |

Height

| | |
|---------------------|----------|
| Over Exhaust | 2,485 mm |
| Over Steering Wheel | 1,781 mm |

Turning Circle

| | |
|----------------|----------|
| Without Brakes | 8,518 mm |
|----------------|----------|

Ground Clearance

| | |
|----------------------|--------|
| Under Gear Box | 501 mm |
| Under 4WD Front Axle | 395 mm |

CAPACITIES

| | |
|-----------------------------|--------|
| Fuel Tank | 108.0l |
| Engine Pump | 7.5l |
| Cooling System | 15.2l |
| Power Steering Reservoir | 2.0l |
| Hydraulic System | 42l |
| Oil Bath Air-Cleaner | 0.7l |
| Brake Oil | 0.25l |
| 4WD Front Axle Differential | 5.6l |
| Hub Each Side | 1.0l |

STANDARD EQUIPMENT

Weight frame without weights, standard tool box with set of tools, Top Link, Top Link End Cat-I, Cat I & II balls, Check Chains, Spring Suspension Seat, Flat Top Fender & Operator's Manual.

OPTIONAL EQUIPMENT

Front End Weight, Swinging Drawbar, Sun Canopy, Pintel Hook.

OPERATOR AREA

| | |
|----------|-----------|
| Seat | Cushioned |
| Fenders | Flat Top |
| Tool Box | Standard |