

# MILLAT'S

## MF 235 Specifications

### PERFORMANCE

|                                 |               |
|---------------------------------|---------------|
| Engine power at 2250 rpm        | 50 (B.S.) hp* |
| Torque at 1,600 engine rpm      | 172 Nm        |
| PTO power at rated engine speed | 44 hp*        |

\*Certified to BS AU 141a: (1971)

\*\*Manufacturer's estimate

### ENGINE

|                   |                     |
|-------------------|---------------------|
| Make / Type       | Diesel / AD 3.152   |
| No. of cylinders  | 3                   |
| Injection         | Direct              |
| Bore              | 91.5 mm             |
| Stroke            | 127 mm              |
| Capacity (litres) | 2.5 l               |
| Aspiration        | Natural             |
| Compression ratio | 16.5 : 1            |
| 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 |
| Exhaust           | Vertical            |

### ELECTRICS

|               |                      |
|---------------|----------------------|
| Voltage       | 12 V, Negative Earth |
| Battery       | 118 Ah               |
| Starter Motor | 2.2kW                |
| Alternator    | 32 Amp.              |

### CLUTCH

|          |            |
|----------|------------|
| Type     | Dual       |
| Diameter | 305X254 mm |

### TRANSMISSION

|   |                      |
|---|----------------------|
| Type  | Sliding spur         |
| Number of gears   | 8 forward, 2 reverse |
| Road speed at 2,250 engine rpm with 12.4/11-24 rear tyres |                      |
| Gear  | Speed (Km/hr)        |
| Forward 1 (First low)                                     | 2.3                  |
| Forward 2   | 3.4                  |
| Forward 3   | 4.7                  |
| Forward 4   | 6.3                  |
| Forward 5 (First high)                                    | 9.3                  |
| Forward 6   | 13.6                 |
| Forward 7   | 18.6                 |
| Forward 8   | 25.0                 |
| Reverse 1 (Low)   | 3.2                  |
| Reverse 2 (High)  | 12.7                 |

### POWER TAKE OFF

|                             |           |
|-----------------------------|-----------|
| Type                        | Live      |
| Engine speed at 540 PTO rpm | 1,789 rpm |
| Shaft diameter              | 35 mm     |
| No. of splines              | 6         |

### HYDRAULICS

|   |  |
|---|--|
| Functions                                 | Draft control,<br>Position control,<br>Response control,<br>Constant pumping |
| Pump type                                 | Reciprocating pump<br>Ferguson Pump  |
| Oil flow                                  | 16 l/min   |
| Pressure                                  | 19.2 MPa at normal<br>operating temp.  |
| Lift capacity with lower links horizontal | 1,415 Kg   |
| Lower links                               | Cat. I & II with<br>interchangeable balls                                    |

### FRONT AXLE

|      |                            |
|------|----------------------------|
| Type | Box Section,<br>Adjustable |
|------|----------------------------|

### STEERING

|      |        |
|------|--------|
| Type | Manual |
|------|--------|

### REAR AXLE & BRAKES

|            |  |
|------------|--|
| Brake type | Out board drum brakes                            |
| Actuation  | Mechanical,<br>Independent or locked<br>together |

|                   |                     |
|-------------------|---------------------|
| Parking brake     | Hand Lever Operated |
| Differential Lock | Mechanical          |

### INSTRUMENTATION

|        |   |
|--------|---|
| Gauges | Tachometer, Hourmeter<br>Fuel level, Water temp.<br>& Battery condition |
|--------|---|

|                |  |
|----------------|--|
| Warning lights | Direction indicator<br>Electric charge<br>Head light main beam<br>Low engine oil pressure<br>Brake Light &<br>Auxiliary socket |
|----------------|--|

### TYRES

|       |                   |
|-------|-------------------|
| Front | 5.50-16 (8PR)     |
| Rear  | 12.4/11-24 (12PR) |

### TRACK ADJUSTMENT

|            |                |
|------------|----------------|
| Front axle | 1,245-1,707 mm |
| Rear axle  | 1,214-1,930 mm |

### WEIGHT AND DIMENSIONS (APPROX)

(With 5.50-16 Front & 12.4/11-24 rear wheel and with full fuel, oil and water)

#### Weight

|                       |          |
|-----------------------|----------|
| Gross Weight (Approx) | 1,515 Kg |
|-----------------------|----------|

#### Dimensions

|                |          |
|----------------|----------|
| Wheel base     | 1,892 mm |
| Overall length | 3,240 mm |
| Overall Width  | 1,604 mm |

#### Height

|                     |          |
|---------------------|----------|
| Over exhaust        | 1,905 mm |
| Over steering wheel | 1,386 mm |

#### Turning Circle

|                |          |
|----------------|----------|
| With brakes    | 5,710 mm |
| Without brakes | 6,277 mm |

#### Ground Clearance

|                |        |
|----------------|--------|
| Under gear box | 295 mm |
|----------------|--------|

### CAPACITIES

|                      |        |
|----------------------|--------|
| Fuel tank            | 50 l   |
| Engine sump          | 6.96 l |
| Cooling System       | 11.7 l |
| Steering box         | 0.75 l |
| Hydraulic system     | 33.0 l |
| Oil bath air cleaner | 0.65 l |

### STANDARD EQUIPMENT

Weight frame without weights, Standard tool box with set of tools, Top link, Top link end Cat-I & II balls, Check chains, Spring suspension seat, Shell fenders, Operator's and service manual

### OPTIONAL EQUIPMENT

Front end weights, Swinging drawbar, Sun canopy, Pintle Hook and 9 Hole drawbar & Roll Over Protection System

#### Note:

Millat Tractors Ltd. Reserve the right to change specifications without prior notice

Manufacturer's of Massey Ferguson Tractors, Diesel Engines, Gen. Sets, Forklift Trucks and Agricultural Implements under license.

(\*) Approximately



The Heartbeat of the Farmers...

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