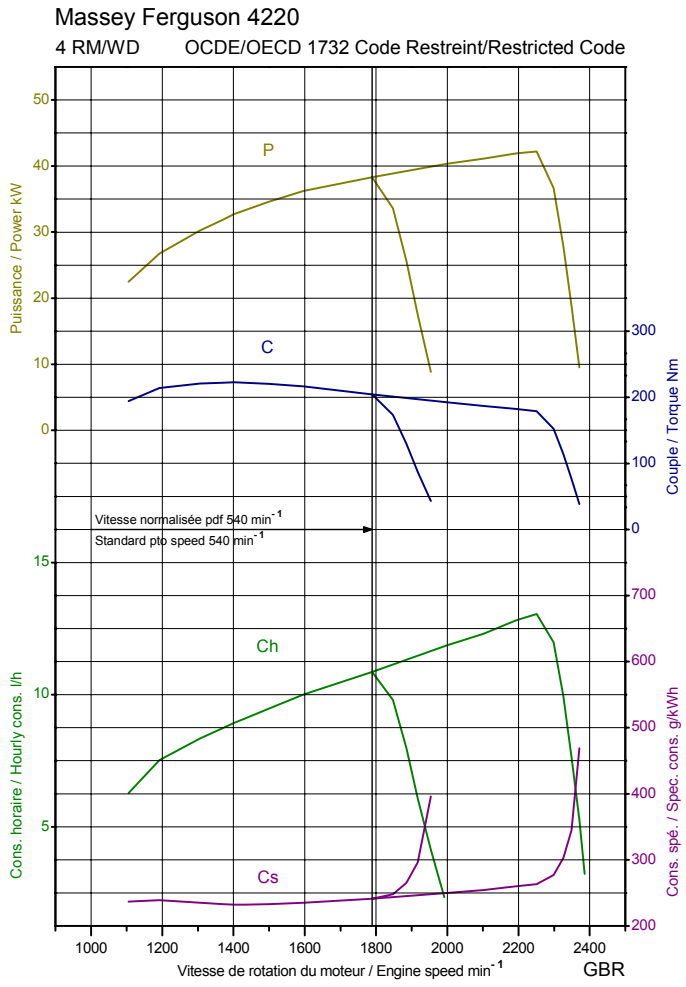
| | |
|---|---|
| **OECD approval number** | **1 732** |
| | **Restricted Code** |
| **OECD approval date** | **16/01/1998** |
| **Make** | **Massey Ferguson** |
| **Model** | **4220** |
| **Type** | **4 WD** |
| | CABB13BFXA - 30 km/h |
| *Manufacturer* | Agco Limited |
| *Testing station:* | SRI, Silsoe, United Kingdom |



**Engine, Transmission, Power take-off Specifications**

| | | | |
|---|---|---|---|
| *Make, Model* | Perkins | | T903.27 |
| *Type, Supercharging* | Direct injection | | Yes |
| *Cylinders, Disposition* | 3 | | vertical in line |
| *Capacity, Cooling* | 2700 $cm^3$ | | Liquid |
| *Gear box* | | | Mechanical |
| *Number of forward and reverse speeds* | | 8 | 8 |
| *Speed at rated engine speed* | | from 2.53 | to 31.99 km/h |
| Standard Power take-off speed | | 540 $min^{-1}$ | 1000 $min^{-1}$ |
| *Power take-off speed at rated engine speed* | | 679 $min^{-1}$ | None |
| *Diameter of the shaft* | | 34.9 mm | |
| *Number of splines* | | 6 | |

**Power take-off Test**

| | | | |
|---|---|---|---|
| Two hours test at maximum power | | | |
| *Power, Engine and Power take-off speed* | 42.2 kW | 2251 $min^{-1}$ | 679 $min^{-1}$ |
| *Hourly and specific consumption* | | 13.05 l/h | 263 g/kWh |
| Test at maximum power at rated engine speed | | | |
| *Power, Engine and Power take-off speed* | 42.2 kW | 2251 $min^{-1}$ | 679 $min^{-1}$ |
| *Hourly and specific consumption* | | 13.05 l/h | 263 g/kWh |
| Test at standard Power take-off speed | | | |
| *Power, Engine and Power take-off speed* | 38.3 kW | 1789 $min^{-1}$ | 540 $min^{-1}$ |
| *Hourly and specific consumption* | | 10.86 l/h | 241 g/kWh |
| Torque rise | | | 24.6 % |
| Maximum torque, Engine speed corresponding | | 223.1 Nm | 1402 $min^{-1}$ |

**Drawbar Test**

| | | | |
|---|---|---|---|
| *Front tyres, Rear tyres* | | 11.2 R 24 | 16.9 R 30 |
| Test with tractor | | unballasted | ballasted |
| *Total Mass* | | 3086 kg | |
| *Maximum drawbar pull* | | 33.6 kN | *Not* |
| *at speed of* | | 2.22 km/h | *required* |
| *Maximum power* | | 34.4 kW | |
| *at speed of* | | 5.24 km/h | |

**Hydraulic Performance and Power Lift Test**

| | | | |
|---|---|---|---|
| *Hydraulic system* | | | Closed centre |
| At maximum hydraulic power | | | |
| *Flow rate, Pressure, Power* | 36.5 l/min | 18.0 MPa | 11.0 kW |
| Maximum lifting force | | | |
| *at hitch points, at frame* | | 16.3 kN | 13.7 kN |