



OECD approval number

2/1 893

Restricted Code

OECD approval date

21/03/00

Make

Case IH

Model

CX 50

Type

4 WD

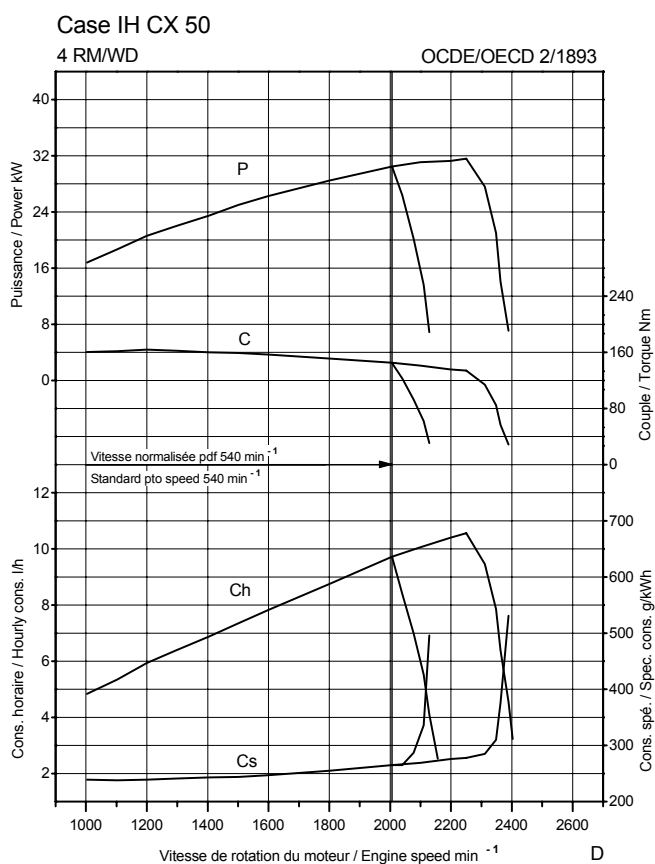
CX 50 A - 30 km/h

Manufacturer

Case United Kingdom Limited

Testing station:

DLG, Gross-Umstadt, Germany



Engine, Transmission, Power take-off Specifications

| | | |
|---|-----------------------------|------------------------------|
| <i>Make, Model</i> | Perkins | 1962/2250 |
| <i>Type, Supercharging</i> | Direct injection | None |
| <i>Cylinders, Disposition</i> | 3 | in line |
| <i>Capacity, Cooling</i> | 2700 cm ³ | By water |
| <i>Gear box</i> | | Mechanical powershift |
| <i>Number of forward and reverse speeds</i> | 16 | 8 |
| <i>Speed at rated engine speed</i> | from 1.92 | to 31.84 km/h |
| <u>Standard Power take-off speed</u> | <u>540 min⁻¹</u> | <u>1000 min⁻¹</u> |
| <i>Power take-off speed at rated engine speed</i> | 606 min ⁻¹ | None |
| <i>Diameter of the shaft</i> | 35 mm | |
| <i>Number of splines</i> | 6 | |

Power take-off TestTwo hours test at maximum power

| | | | |
|---|---------|------------------------|-----------------------|
| <i>Power, Engine and Power take-off speed</i> | 31.7 kW | 2248 min ⁻¹ | 605 min ⁻¹ |
| <i>Hourly and specific consumption</i> | | 10.58 l/h | 277 g/kWh |

Test at maximum power at rated engine speed

| | | | |
|---|---------|------------------------|-----------------------|
| <i>Power, Engine and Power take-off speed</i> | 31.7 kW | 2248 min ⁻¹ | 605 min ⁻¹ |
| <i>Hourly and specific consumption</i> | | 10.58 l/h | 277 g/kWh |

Test at standard Power take-off speed

| | | | |
|---|---------|------------------------|-----------------------|
| <i>Power, Engine and Power take-off speed</i> | 30.5 kW | 2006 min ⁻¹ | 540 min ⁻¹ |
| <i>Hourly and specific consumption</i> | | 9.72 l/h | 265 g/kWh |

Torque rise

| | | |
|---|----------|------------------------|
| <i>Maximum torque, Engine speed corresponding</i> | 164.0 Nm | 1200 min ⁻¹ |
|---|----------|------------------------|

Drawbar Test

| | | |
|--------------------------------|--------------------|------------------|
| <i>Front tyres, Rear tyres</i> | 12.4 - 24 | 16.9 - 34 |
| <u>Test with tractor</u> | <u>unballasted</u> | <u>ballasted</u> |
| <i>Total Mass</i> | 3445 kg | |
| <i>Maximum drawbar pull</i> | 35.6 kN | Not |
| <i>at speed of</i> | 2.00 km/h | required |
| <i>Maximum power</i> | 26.4 kW | in |
| <i>at speed of</i> | 6.99 km/h | Code 2 |

Power Lift and Hydraulic Performance Test

| | | |
|--|------------|------------------|
| <i>Hydraulic system</i> | | Opened centre |
| <i>Maximum lifting force at hitch points, at frame</i> | 15.8 kN | 11.9 kN |
| <u>At maximum hydraulic power</u> | | |
| <i>Flow rate, Pressure, Power</i> | 47.8 l/min | 15.1 MPa 12.0 kW |

