



OECD approval number

2/1 899

Restricted Code

OECD approval date

12/04/00

Make

Case IH

Model

CX 100

Type

4 WD

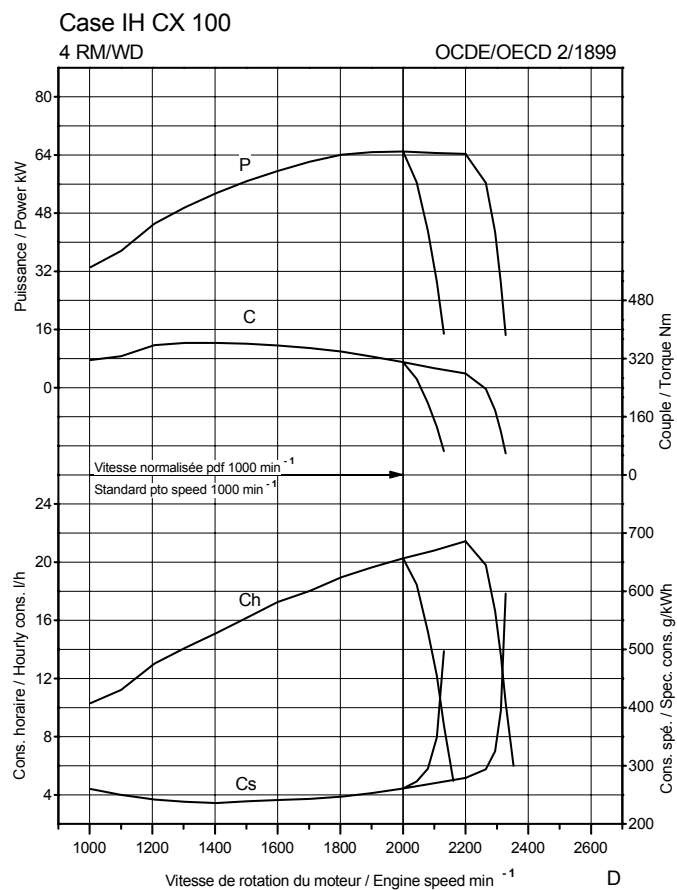
CX 100 A - 40 km/h

Manufacturer

Case United Kingdom Limited

Testing station:

DLG, Gross-Umstadt, Germany



Engine, Transmission, Power take-off Specifications

| | | |
|---|-----------------------------|------------------------------|
| <i>Make, Model</i> | Perkins | 1004-4T HR |
| <i>Type, Supercharging</i> | Direct injection | Yes |
| <i>Cylinders, Disposition</i> | 4 | in line |
| <i>Capacity, Cooling</i> | 3990 cm ³ | By water |
| <i>Gear box</i> | | Mechanical |
| <i>Number of forward and reverse speeds</i> | 16 | 8 |
| <i>Speed at rated engine speed</i> | from 2.12 | to 39.22 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> | 596 min ⁻¹ | 1100 min ⁻¹ |
| <i>Diameter of the shaft</i> | 35 mm | 35 mm |
| <i>Number of splines</i> | 6 | 6 |

Power take-off TestTwo hours test at maximum power

| | | | |
|---|---------|------------------------|------------------------|
| <i>Power, Engine and Power take-off speed</i> | 65.0 kW | 2000 min ⁻¹ | 1000 min ⁻¹ |
| <i>Hourly and specific consumption</i> | | 20.27 l/h | 261 g/kWh |

Test at maximum power at rated engine speed

| | | | |
|---|---------|------------------------|------------------------|
| <i>Power, Engine and Power take-off speed</i> | 64.3 kW | 2200 min ⁻¹ | 1100 min ⁻¹ |
| <i>Hourly and specific consumption</i> | | 21.44 l/h | 279 g/kWh |

Test at standard Power take-off speed

| | | | |
|---|---------|------------------------|------------------------|
| <i>Power, Engine and Power take-off speed</i> | 65.0 kW | 2000 min ⁻¹ | 1000 min ⁻¹ |
| <i>Hourly and specific consumption</i> | | 20.27 l/h | 261 g/kWh |

Torque rise

| | | |
|--|--|--------|
| | | 30.5 % |
|--|--|--------|

Maximum torque, Engine speed corresponding

| | |
|----------|------------------------|
| 364.0 Nm | 1404 min ⁻¹ |
|----------|------------------------|

Drawbar Test*Front tyres, Rear tyres*

| | |
|-----------|-----------|
| 13.6 - 24 | 18.4 - 34 |
|-----------|-----------|

Test with tractor

| | |
|--------------------|------------------|
| <u>unballasted</u> | <u>ballasted</u> |
|--------------------|------------------|

Total Mass

| |
|---------|
| 3760 kg |
|---------|

Maximum drawbar pull

| | |
|---------|-----|
| 40.7 kN | Not |
|---------|-----|

at speed of

| | |
|-----------|----------|
| 4.07 km/h | required |
|-----------|----------|

Maximum power

| | |
|---------|----|
| 55.8 kW | in |
|---------|----|

at speed of

| | |
|-----------|--------|
| 5.76 km/h | Code 2 |
|-----------|--------|

Power Lift and Hydraulic Performance Test*Hydraulic system*

Opened centre

Maximum lifting force at hitch points, at frame

| | |
|---------|---------|
| 32.2 kN | 23.0 kN |
|---------|---------|

At maximum hydraulic power

| | | | |
|-----------------------------------|------------|----------|---------|
| <i>Flow rate, Pressure, Power</i> | 52.2 l/min | 16.0 MPa | 13.9 kW |
|-----------------------------------|------------|----------|---------|

