# DLG-Data Sheet Tractors 2003

## Case-IH CVX 170

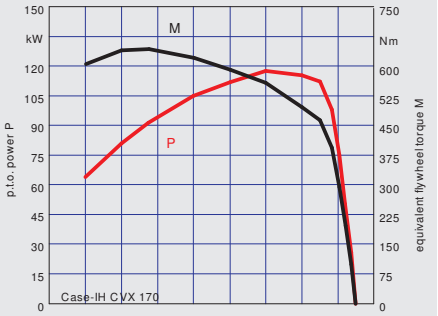
*OECD Test No. 1/1997 (Date 09/2002)*

### *Engine*

SISU WD 620.90, rated engine power 121 kW at 2300 min$^{-1}$, turbocharger, 6 cylinder, capacity 6596 cm$^3$, bore 108 mm, stroke 120 mm, water cooled, viscous fan, average pressure 9,6 daN/cm$^2$, fuel tank capacity 310 l

### *Measurement at main power take off*

| | *Rated engine speed 2300 min$^{-1}$* | *Engine speed at max power 2000 min$^{-1}$* |
|---|---|---|
| Power | 112,1 kW | 117,4 kW |
| Fuel consumption | 36,6 l/h | 34,6 l/h |
| Specific fuel cons. | 272 g/kWh | 245 g/kWh |




### *Average fuel consumption of*

the 6 measurement points from the governor curve 24,9 l/h, 344 g/kWh

### *Equivalent flywheel torque*

Max. torque 648 Nm at 1350 min$^{-1}$, torque increase 39 % at a speed drop of 41 %

### Torque at engine speed 1000 min$^{-1}$

131 % rated to the torque at rated engine speed

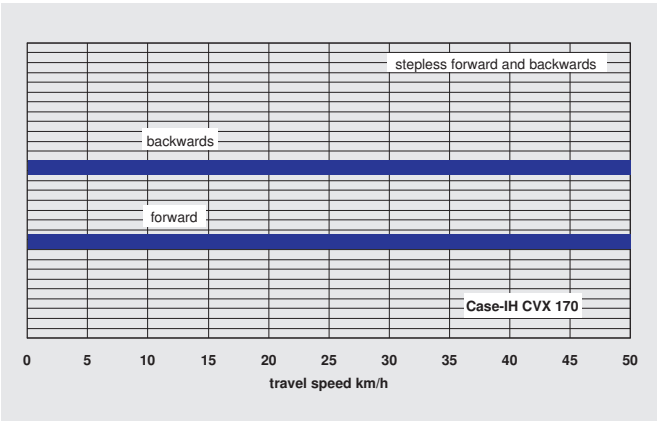
### *Power take off*

Wet multi-disc clutch, electro-hydraulically operated by switch, 1 rear p.t.o., form 1 or 2, quadruple shifting, changeable

| *Standard speed* | 540 | 540 E | 1000 | 1000E |
|---|---|---|---|---|
| *Engine speed* | 2208 min$^{-1}$ | 1608 min$^{-1}$ | 2197 min$^{-1}$ | 1600 min$^{-1}$ |

### *Gearbox*

Stepless, variable power branching gearbox with 4 gears, shuttle gearbox; 2 shift levers, 4 switches




Speed scheme arranged by groups, for every gear in the speed range from the engine speed at max. torque to the rated engine speed.

### *Drawbar power*

Max. power 107,4 kW at 9,7 km/h and engine speed 2000 min$^{-1}$, at 274 g/kWh;



### *Chassis*

All wheel drive, central driving shaft with universal joints, wet multi-disc clutch, electro-hydraulically operated; common front and rear multi-plate differential locks, electro-hydraulically operated, hydro-pneumatically suspended front axle

| | |
|---|---|
| *Front* | Tyre 540/65 R 28 |
| *Rear* | Tyre 650/65 R 38 |

### *Brakes*

Oil-immersed disc brake at the rear axle, automatic engagement of 4WD; maximum mean deceleration 5,4m/s$^2$ at 60 daN applied pedal pressure

### *Cab*

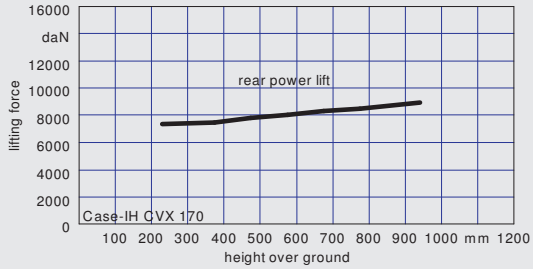
Steyr 130.04, 2 doors, rear and side windows tiltable, roof hatch, cooling water heat exchanger, air conditioner

### *Sound levels at drivers ear*

| | *Unloaded* | *Under load* |
|---|---|---|
| At 7.5km/h, nominal gear selected, all openings closed | - | - |
| Open | - | - |
| In loudest gear, all openings closed | - | - |

### *Hydraulic system*

Closed centre type; pressure and flow compensated system, power lift category 3, 2 external cylinders with 100 mm diameter, electronic lower link sensing




### *Oil tapping port*

Max flow rate 109,5 l/min; max. hydraulic power 30,0 kW at 190 bar and 97,2 l/min; max. pressure 211 bar; seperate hydraulic oil tank with 51 l capacity, available to external cylinders 35 l

### *Masses/Axle load*

| *Mass* | *Test tractor* | *Permissable total mass* |
|---|---|---|
| Front | 2620 kg | 4400 kg |
| Rear | 4435 kg | 9000 kg |
| Total | 7055 kg | 11000 kg |

Tractor mass to engine power ratio 58 kg/kW

### *Dimensions*

Width 2550 mm, length 4850 mm, height at top of exhaust silencer pipe 2942 mm, at cab 3035 mm, wheel base 2831 mm, distance from p.t.o. shaft end to trailer hitch 156 mm, distance from p.t.o. shaft end to lower link couplers 694 mm

***Test centre***
BLT, Austria