

# DLG-Data Sheet Tractors 2003

## Case-IH CS 130

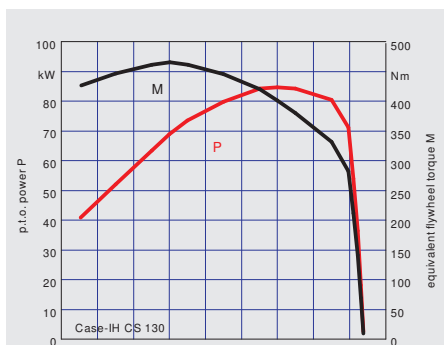
DLG-top agrar-Test Issue No. 12/2002

### Engine

SISU Case Steyr 620.92, rated engine power 91,9 kW at 2300 min<sup>-1</sup>, turbocharger, 6 cylinder, capacity 6596 cm<sup>3</sup>, bore 108 mm, stroke 120 mm, water cooled, viscous fan, average pressure 7,3 daN/cm<sup>2</sup>, fuel tank capacity 220 l

### Measurement at main power take off

	Rated engine speed 2300 min <sup>-1</sup>	Engine speed at max power 2000 min <sup>-1</sup>
Power	80,3 kW	84,7 kW
Fuel consumption	25,9 l/h	24,5 l/h
Specific fuel cons.	269 g/kWh	243 g/kWh

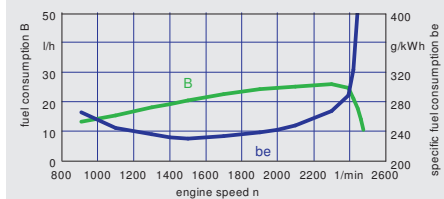


### Average fuel consumption of

the 6 measurement points from the governor curve 18,9 l/h, 361 g/kWh

### Equivalent flywheel torque

Max. torque 468 Nm at 1400 min<sup>-1</sup>, torque increase 40 % at a speed drop of 39 %



### Torque at engine speed 1000 min<sup>-1</sup>

132 % rated to the torque at rated engine speed

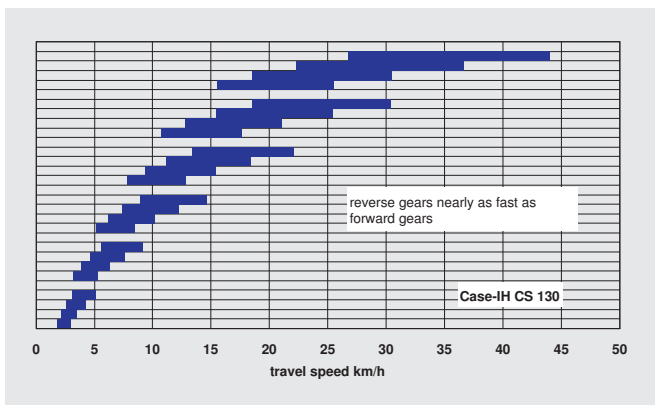
### Power take off

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

Standard speed	540	540 E	1000	1000E
Engine speed	2208 min <sup>-1</sup>	1608 min <sup>-1</sup>	2197 min <sup>-1</sup>	1600 min <sup>-1</sup>

### Gearbox

Wet multi-disc clutch, 24 forward, 24 reverse; selectable gearbox with 4 gears, power shifted, range gearbox with 6 ranges, synchronised; shuttle gearbox, power shifted; 2 shift levers, 4 buttons



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 75,7 kW at 7,3 km/h and engine speed 2000 min<sup>-1</sup>, at 274 g/kWh; at rated engine speed 69,3 kW at 8,4 km/h, at 310 g/kWh

### Chassis

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

Front	Tyre 540/65 R 28
Rear	Tyre 650/65 R 38

Turning Circle: 14,3 m left, 14,1 m right

### Brakes

Oil-immersed disc brake at the rear axle; hydraulically operated, automatic engagement of 4WD.

### Cab

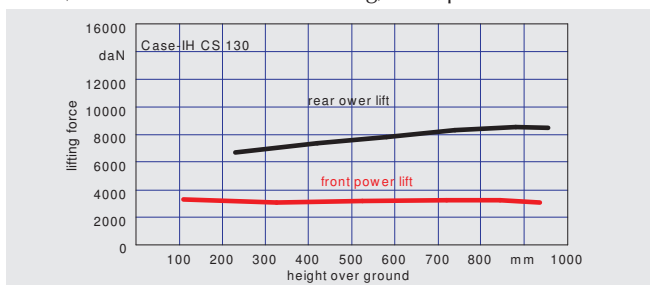
Case-Steyr 130.02, OECD-No. 4/0 520, 2 doors, rear, front and side windows tiltable, roof hatch, cooling water heat exchanger, air conditioner

### Sound levels at drivers ear

	Unloaded	Under load
At 7.5km/h, nominal gear selected, all openings closed	-	76,0 dB(A)
Open	-	-
In loudest gear, all openings closed	76,5 dB(A)	-

### 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, front power lift



### Oil tapping port

Max flow rate 123,8 l/min; max. hydraulic power 31,1 kW at 160 bar and 116,6 l/min; max. pressure 200 bar; oil together with gear box with 72 l capacity, available to external cylinders 30 l

### Masses/Axle load

Mass	Test tractor	Permissible total mass
Front	2665 kg	4400 kg
Rear	3540 kg	7200 kg
Total	6205 kg	9000 kg

Tractor mass to engine power ratio 67 kg/kW

### Dimensions

Width 2500 mm, length 5435 mm, height at top of exhaust silencer pipe 2894 mm, at cab 2920 mm, wheel base 2806 mm, distance from p.t.o. shaft end to trailer hitch 155 mm, distance from p.t.o. shaft end to lower link couplers 645 mm



Test centre

DLG-Prüfstelle für Landmaschinen