

# DLG-Data Sheet Tractors 2003

## Valtra T 140

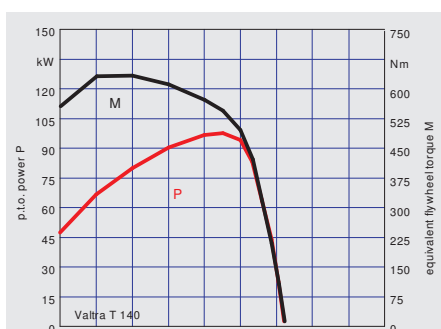
DLG-top agrar-Test Issue No. 12/2002

### Engine

SISU 620 DSRAE, rated engine power 99 kW at 1800 min<sup>-1</sup>, turbocharger, intercooler, 6 cylinder, capacity 6592 cm<sup>3</sup>, bore 108 mm, stroke 120 mm, water cooled, viscous fan, average pressure 10,0 daN/cm<sup>2</sup>, fuel tank capacity 330 l

### Measurement at main power take off

	Rated engine speed 1800 min <sup>-1</sup>	Engine speed at max power 1700 min <sup>-1</sup>
Power	94,4 kW	97,5 kW
Fuel consumption	27,3 l/h	27,4 l/h
Specific fuel cons.	242 g/kWh	234 g/kWh

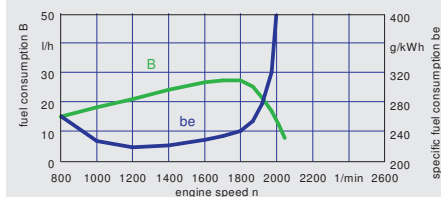


### Average fuel consumption of

the 6 measurement points from the governor curve 18,5 l/h, 298 g/kWh

### Equivalent flywheel torque

Max. torque 637 Nm at 1200 min<sup>-1</sup>, torque increase 27 % at a speed drop of 33 %



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

127 % rated to the torque at rated engine speed

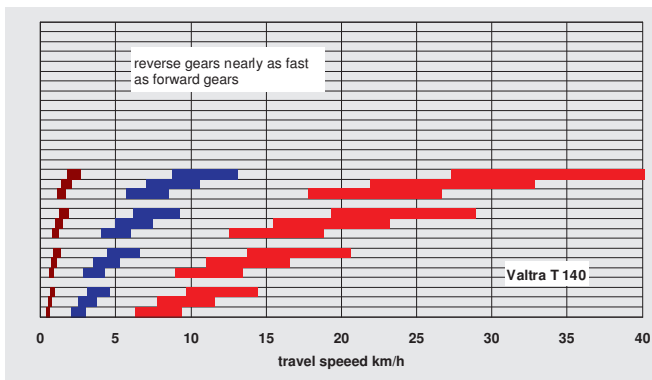
### Power take off

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

Standard speed	540	540 E	1000	1000E
Engine speed	1647 min <sup>-1</sup>	-	1750 min <sup>-1</sup>	-

### Gearbox

Wet multi-disc clutch, 36 forward, 36 reverse; selectable gearbox with 4 gears, synchronised; range gearbox with 3 ranges, synchronised; triple power shift range; shuttle gearbox, power shifted; 3 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 82,6 kW at 7,9 km/h and engine speed 1700 min<sup>-1</sup>, at 276 g/kWh; at rated engine speed 80,1 kW at 9,3 km/h, at 285 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 lock, common electro-hydraulically operated, hydro-pneumatically suspended front axle

Front	Tyre 14.9-24
Rear	Tyre 520/70 R 38

Turning circle: 13,7 m left; 13,8 m right



### Brakes

Oil-immersed disc brake at the rear axle; automatic engagement of 4WD

### Cab

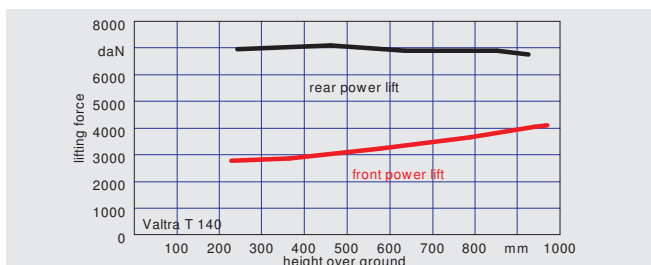
Valtra T888R, 2 doors, rear and side windows tiltable, cooling water heat exchanger, air conditioner

### Sound levels at drivers ear

	Unloaded	Under load
At 7.5km/h, nominal gear selected, all openings closed	-	72,5 dB(A)
Open	-	-
In loudest gear, all openings closed	77,5 dB(A)	-

### Hydraulic system

Open centre type; power lift category 3, 2 external cylinders with 100 mm diameter, electronic lower link sensing, front power lift



### Oil tapping port

Max flow rate 85,3 l/min; max. hydraulic power 23,8 kW at 185 bar and 77,3 l/min; max. pressure 209 bar; oil together with gear box with 65 l capacity, available to external cylinders 40 l

### Masses/Axle load

Mass	Test tractor	Permissible total mass
Front	3265 kg	4500 kg
Rear	3250 kg	9000 kg
Total	6515 kg	11000 kg

Tractor mass to engine power ratio 66 kg/kW

### Dimensions

Width 2437 mm, length 5700 mm, height at top of exhaust silencer pipe 2915 mm, at cab 2950 mm, wheel base 2775 mm, distance from p.t.o. shaft end to trailer hitch 185 mm, distance from p.t.o. shaft end to lower link couplers 740 mm



Test centre

DLG-Prüfstelle für Landmaschinen