

Landini



Legend 145

- New 6 cylinder Perkins 1000 Series "Quadram" engine
 - Constant power
 - Power torque
- Electronic power lift "Landtronic"
- "Twin-Lock" electro-hydraulic front/rear diff-lock
- 4 WD engagement under load with electro-hydraulic control
- Concept cab: High ergonomic standard cab
- Modular Gearbox available with different options:
 - Speed-Six: Standard gearbox with fully

- Creeper: synchronized reverse shuttle 18 FW x18 Reverse
Fitted with Std Speed-Six gearbox with 290 m/h minimum FW speed: 36 FWx36 Reverse
- Power-Six: Electrohydraulic Speed Change under load giving 20 % downshift.
Fitted with Speed-Six only:
36 FW x 36 Reverse
Fitted with Speed-Six plus Creeper:
72 FW x 72 Reverse

Technical Specifications

Power-Six Transmission

PERFORMANCE

| | |
|-----------------------------------|---------------------|
| Rated engine power at 2200 r.p.m. | 101.5 kW/138 DIN HP |
| Max. engine torque at 1400 r.p.m. | 552 Nm |
| PTO HP (Estimated) | 128 HP |

ENGINE

| | |
|---------------------------|--------------------|
| Make/Type | Perkins/1006-6THR2 |
| Injection | Direct |
| Bore/Stroke | 100/127 mm |
| Capacity/no. of cylinders | 6000 c.c./6 Turbo |
| Compression ratio | 15:1 |
| Aspiration | Turbocharged |
| Cooling system | Water |
| Air cleaner | Dry air filter |

CLUTCH

| | |
|----------|-----------------|
| Type | Dry single disc |
| Diameter | 14" |
| Control | Hydrostatic |

ELECTRICS

| | |
|--------------------|-----------------|
| Battery | 125 Ah |
| Alternator/Starter | |
| Motor | 12 V 500 W/4 kW |

TRANSMISSION: SPEED-SIX

High efficiency transmission with 18 forward and 18 reverse gears obtained with completely synchronized reverse shuttle as standard. Fitted with creeper gives 36 FW x 36 Reverse Speeds.

FORWARD SPEEDS

At rated engine power: 2200 r.p.m.
Speeds in km/h with 20.8/38 tyres.

| Range | Gear | Standard gearbox Speed-Six | Power-Six | Creeper | Power-Six |
|--------|------|----------------------------|-----------|---------|-----------|
| SLOW | 1 | 1,89 | 1,57 | 0,35 | 0,29 |
| | 2 | 2,44 | 2,02 | 0,45 | 0,38 |
| | 3 | 3,15 | 2,62 | 0,59 | 0,49 |
| | 4 | 4,06 | 3,37 | 0,76 | 0,63 |
| | 5 | 5,23 | 4,34 | 0,97 | 0,81 |
| | 6 | 6,94 | 5,58 | 1,29 | 1,07 |
| NORMAL | 7 | 4,66 | 3,89 | 0,87 | 0,72 |
| | 8 | 6,05 | 5,02 | 1,12 | 0,95 |
| | 9 | 7,83 | 6,50 | 1,46 | 1,21 |
| | 10 | 10,07 | 8,37 | 1,88 | 1,56 |
| | 11 | 12,98 | 10,78 | 2,41 | 2,00 |
| | 12 | 17,22 | 14,30 | 3,20 | 2,66 |
| FAST | 13 | 11,09 | 9,21 | 2,06 | 1,71 |
| | 14 | 14,31 | 11,88 | 2,66 | 2,21 |
| | 15 | 18,53 | 15,38 | 3,45 | 2,87 |
| | 16 | 23,86 | 19,80 | 4,44 | 3,69 |
| | 17 | 30,70 | 25,49 | 5,71 | 4,74 |
| | 18 | 40,74 | 33,86 | 7,58 | 6,30 |

REVERSE SHUTTLE

The reverse shuttle fitted as standard reverses all the above 36 gears (ratio 0.96).

POWER-SIX TRANSMISSION

Electrohydraulic speed change under load gives 20% down shift. Fitted with Speed-Six only gives: 36 FW x 36 Reverse speed.
Fitted with Speed-Six plus Creeper gives: 72 FW x 72 Reverse speed.

POWER TAKE-OFF

| | |
|---------------------------------|---|
| Multiple disc oil-bath type | Completely independent and synchronized with ground speed |
| Control | Electro-hydraulic |
| Speeds: | |
| -PTO at 540 r.p.m. | engine at 1944 r.p.m. |
| -PTO at 750 r.p.m. (on request) | engine at 1837 r.p.m. (540 at 1323 r.p.m.) |
| -PTO at 1000 r.p.m. | engine at 1957 r.p.m. |
| Number of shaft splines | 21 for 35 mm (1 3/8") diameter shaft 6 for 44,5 mm (1 3/4") diameter shaft 20 for 44,5 mm (1 3/4") diameter shaft |

HYDRAULICS

| | |
|--|---|
| Landtronic power lift | Electronic control lift Draft, position, intermix, floating control and shock absorber |
| Max. double pump oil flow: | |
| - Main pump | 62 litres/min. |
| - Second pump | 35 litres/min. for auxiliary components |
| Max. lifting capacity with 2 cylinders (90 mm diam.) | 7050 kg. |
| Auxiliary spool valves | 3 with simple and double action Detent/Kickout/Float Standard with electronic power lift Landtronic |
| Shock-Absorber | |

FRONT 4 WD AXLE

| | |
|------------------------|--|
| Steering | Hydrostatic and balanced |
| Engagement | Electro-hydraulic |
| Maximum steering angle | 55° |
| "Twin-lock" diff-lock | electro-hydraulic control (front/rear) |

BRAKES (INTEGRAL BRAKING SYSTEM)

| | |
|---------------|------------------------------|
| Type (IBS) | Oil bath discs |
| Control | Hydrostatic |
| Parking brake | Actuation on the main brakes |

WHEELS AND TYRES

2WD: 1100-16 Front + 20.8/38 Rear
4WD: 16.9-28 Front - 20.8/38 Rear

TRACK ADJUSTMENT

| | |
|-------------|----------------------|
| Front - 2WD | from 1600 to 2000 mm |
| Front - 4WD | from 1765 to 2310 mm |
| Rear | from 1800 to 2356 mm |

WEIGHTS AND DIMENSIONS

With fuel, oil and water.
Cab, without weights.

| | | |
|-----------------------------|-------------|-------------|
| 2WD front tyres: 11.00 - 16 | | |
| 4WD front tyres: 16.9-28 | | |
| 4WD rear tyres: 20.8-38 | | |
| Weight: - front | 2WD 1470 kg | 4WD 1950 kg |
| - rear | 3430 kg | 3650 kg |
| - total | 4900 kg | 5600 kg |
| Total length | 4970 mm | |
| Minimum width | 2600 mm | |
| Height - over cab | 2945 mm | |
| Minimum 4WD turning radius | | |
| - with brakes | 4600 mm | |
| - without brakes | 4950 mm | |
| Ground clearance | | |
| - under 4WD axle | 520 mm | |
| Wheelbase | 2845 mm | 2795 mm |

CAPACITIES

| | |
|------------------|--------------------------|
| Fuel tank | 190 litres |
| Hydraulic system | 80 litres (transmission) |

CAB (CONCEPT CAB)

Cab with platform suspended on silent block - tiltable steering wheel - side shift levers - reverse shuttle near steering column - fully adjustable seat - ventilation and heating system - rear windscreen wiper - blue-tinted heat reflecting windows - 8 work lights - rotating beacon.
Pre-wired for radio
Digital instrument panel
Roof hatch

OPTIONAL EQUIPMENT

Mechanical lift
4th supplementary spool valve
Hydraulic levelling rod and hydraulic 3rd point strut for 3 point lift
Pneumatic suspension seat
Mechanical "Speed-Six" gearbox with reverse shuttle: and 36FW x 36FW Reverse Speed creeper
Hydraulic trailer braking system
Air conditioning system
PTO 540/750 r.p.m.

| | | |
|------------------|-------------|----------------------------|
| 12 front weights | 42 kg. each | } Available as spare parts |
| 4 rear weights | 85 kg. each | |
| Front fenders | | |

This literature has been published for worldwide distribution. Illustrations and text may include specifications and optional equipment in addition or different to the standard models available in your area. Your distributor or dealer will be pleased to give you details.

Landini has a company policy of continuous improvement and development. Therefore specifications are subject to change without notice. The company accepts no responsibility for discrepancies in specifications or illustrations contained in its publications.

Landini

LANDINI S.p.A.

Via Matteotti, 7 42042 FABBRICO (RE)
Tel. (0522) 656111 (10 linee)
Fax (0522) 660725
Landini Fabbrico - Telex 530024 LANDINI I