

Landini



Legend

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- 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 in different options:
 - Speed-Six: Standard gearbox with fully

- Creeper: synchronized reverse shuttle 18 FW x 18 Reverse
Fitted with Std Speed-Six gearbox with 290 m/h minimum FW speed: 36 FW x 36 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.	81 kW/110 DIN HP
Max. engine torque at 1400 r.p.m.	438 Nm
PTO HP (Estimated)	101 HP

ENGINE

Make/Type	Perkins/1006-6TLR2
Injection	Direct
Bore/Stroke	100/127 mm
Capacity/no. of cylinders	6000 c.c./6 Turbo
Compression ratio	15,1:1
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 18.4-38 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 Electro-hydraulic
Control	
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.
-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	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 (diam. 90 mm)	7000 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: 11.00-16 Front + 520/70-38 Rear
4WD: 420/70-28 Front + 520/70-38 Rear

TRACK ADJUSTMENT

Front - 2WD	from 1600 to 2000 mm
Front - 4WD	from 1645 to 2193 mm
Rear	from 1586 to 2110 mm

WEIGHTS AND DIMENSIONS

With fuel, oil and water.		
Cab without weights.		
2WD front tyres: 11.00 - 16		
4WD front tyres: 420/70-28		
2WD - 4WD rear tyres: 520/70-38		
	2WD	4WD
Weight: - front	1410 kg	1800 kg
- rear	3290 kg	3300 kg
- total	4700 kg	5100 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		

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