

Landini



trekker 85 STD
Hydrostatic Steering System: **hi-drive**

Landini *trekker* 85 STD Specification sheet

PERFORMANCE

- Rated engine power at 2100 rev/min. 86 HP (+ 80 PS)
- Max engine torque at 1400 rev/min. 303 Nm (+ 282 Nm)
- Max P.T.O. horse power
- Rated engine speed 81 HP (+75 PS) 540 rev/min. 78 HP (+72 PS)
- 1000 rev/min. 78 HP (+72 PS)
- N.B. BS AU 141a (+DIN 70020)

ENGINE

Make Type	Perkins Diesel A4 - 248
Injection	Direct
Bore/Stroke	101 x 127 mm
Capacity/n. of cylinders	4060 cm ³ /4
Compression ratio	16:1
Cooling system	Liquid
Air cleaner	Oil bath

CLUTCH

- Type
- Dry Dual Clutch with separate controls:
 - Transmission Clutch by pedal
 - P.T.O. Clutch by lever

ELECTICS

Battery	12 Volts - 750 Amp
Alternator	540 Watts

TRANSMISSION

Base Gearbox (8 FWD + 4 REV)

OPTION 1:

Base Gearbox/creeper + reverse shuttle (16 FWD + 8 REV)

OPTION 2:

Base Gearbox/overdrive + reverse shuttle (16 FWD + 8 REV)

SPEED

At rated engine speed (Km/h)

Base Gearbox/creeper + reverse shuttle (16 FWD + 8 REV)

Gears	Forward	Reverse
1	0,27 Creeper Gear	
2	0,35 Creeper Gear	
3	0,46 Creeper Gear	
4	0,66 Creeper Gear	
5	0,86 Creeper Gear	
6	1,13 Creeper Gear	
7	1,51 Creeper Gear	
8	2,15 Creeper Gear	

Gears	Forward	Reverse
1	1,36 STD Gearbox	1,37 Shuttle
2	1,78 STD Gearbox	1,80 Shuttle
3	2,37 STD Gearbox	2,40 Shuttle
4	3,38 STD Gearbox	3,41 Shuttle
5	4,43 STD Gearbox	4,47 Shuttle
6	5,80 STD Gearbox	5,86 Shuttle
7	7,74 STD Gearbox	7,82 Shuttle
8	11,00 STD Gearbox	11,11 Shuttle

Base Gearbox/overdrive + reverse shuttle (16 FWD + 8 REV):

Gears	Forward	Reverse
1	1,36 STD Gearbox	1,37 Shuttle
2	1,78 STD Gearbox	1,80 Shuttle
3	2,37 STD Gearbox	2,40 Shuttle
4	3,38 STD Gearbox	3,41 Shuttle
5	4,43 STD Gearbox	4,47 Shuttle
6	5,80 STD Gearbox	5,86 Shuttle
7	7,74 STD Gearbox	7,82 Shuttle
8	11,00 STD Gearbox	11,11 Shuttle

Gears	Forward	Reverse
1	1,66 Overdrive	
2	2,18 Overdrive	
3	2,91 Overdrive	
4	4,13 Overdrive	
5	5,42 Overdrive	
6	7,10 Overdrive	
7	9,47 Overdrive	
8	13,46 Overdrive	

UNDERCARRIAGE - ROLLERS

- Undercarriage equipped with 5 rollers plus one roller supporting the chain.
- Rollers of long life type - regreasable
- Long life lubricated wheels idler regreasable
- Chain tension maintained by hydraulic cylinder.
- Rear suspension by means of cross bar on which two independent undercarriages are mounted.
- Front suspension by leaf spring.
- Q.ty chain links 37
- Shoe width 400 mm
- Ground contact area 13.290 cm²
- Ground pressure 0.32 Kg/cm²

POWER TAKE-OFF

Type Mechanical independent

Engagement:

- 540 rev/min. 1944 engine rev/min.
- 750 rev/min. 1934 engine rev/min.
- 1000 rev/min. 1917 engine rev/min.

Shaft diameter 35 mm. (1 3/8")

Number of splines 6

N.B. P.T.O. Combinations:

- 540 - 1000 rpm
- 540 - 750 rpm

HYDRAULICS

Functions Draft, position and intermix

Max oil output (hydraulic Lift) 37.4 l/min.

Max Lift. capacity at link ends. links horizontal 2600 Kg

Auxiliary hydraulics max 5 (independent circuit - max oil flow 48.4 litres)

STEERING: HIDRIVE SYSTEM

Type Oil bath multi disc
Control By means of servo-assisted levers

in combination with brakes

BREAKES

Type Oil bath multi disc
Control By steering levers and by pedals located on R.H.S.
Parking Hand lever
Breake

CAPACITIES

Fuel tanks 85 Liters

OPERATOR AREA

- Suspended platform
- Anatomically shaped seat.
- All controls laid out rationally and withing reach.
- Alternator charge warning light
- Engine oil pressure warning light
- Dry air cleaner blockage warning light
- Hydraulic lift oil filter warning light
- Parking brake warning light
- Trailer first second direction indicators, including tractor
- P.T.O. fast and slow speed indicator light
- Full beam warning light
- Parking brake warning light
- Water temperature gauge with danger light
- Fuel level gauge "low level" warning light
- Hour-counter
- Analog rev. counters (engine rpm and P.T.O. rpm)
- Four-post safety frame

WEIGHTS AND DIMENSIONS

		STD
Weight in working order	Kg	4340
Width	mm	1300
Overall width (min.)	mm	1700
Track gauge	mm	1300
Track length	mm	3140
Ground clearance	mm	270
Shoe width		400 (360)

OPTIONAL EQUIPMENTS

- Street pads
- Front hook
- Front counterweights
- External spool valves (up to 5)
- Safety belt
- Arm-rests



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