

# Landini



## **advantage** **85GE**

- New 12 FWD + 12 REV. base gearbox. Reverse speeds obtained by a fully synchromesh reverse shuttle. One of the following option can be fitted to the above mentioned 12+12 gearbox:
  - 1) Creeper 24 FWD + 12 REV.
  - 2) Underdrive 24 FWD + 12 REV.
  - 3) Overdrive (40 km/h) 24 FWD + 12 REV.
- Steering angle: 55° (4 WD version)
- Integral Braking System (4 WD version)
- Electro-Hydraulic difflock (option)

## Specification Sheet

### PERFORMANCE

|   |                              |
|---|------------------------------|
| Rated engine power @ 2100 rev/min                 | * 86 BS H.P. (+ 80 DIN H.P.) |
| Max. engine torque @ 1400 rev/min                 | * 303 Nm (+ 282 Nm)          |
| Max. p.t.o. hp @ rated engine speed @ 540 rev/min | * 81 BS H.P. (+ 75 DIN H.P.) |
| @ 1000 rev/min                                    | * 74 BS H.P. (+ 70 DIN H.P.) |
| N.B. p.t.o. HP manufacturer's estimate            |                              |
|   | * BS AU 141a (+ DIN 70020)   |

### ENGINE

|                     |                  |
|---------------------|------------------|
| Make/Type           | Perkins/A4.248   |
| Bore/Stroke         | 101/127 mm       |
| Capacity            | 4.07 litre       |
| Compression ratio   | 16:1             |
| Crankshaft bearings | 5                |
| Starting aid        | Thermostat       |
| Throttle control    | Hand and foot    |
| Fuel filter         | Single element   |
| Air cleaner         | Dual Dry Element |

### CLUTCH

|                 |                    |
|-----------------|--------------------|
| Type            | Dual Dry           |
| Diameter        | 279 mm (11 inches) |
| Lining material | Cermetallic        |

### GEARBOX

|                 |                                |
|-----------------|--------------------------------|
| Number of gears | 12 forward, 12 reverse shuttle |
| Type            | Mechanical synchromesh         |

### ROAD SPEEDS (KM/H) @ RATED ENGINE SPEED

14.9LR20 rear tyres

| Gears | Forward    | Reverse    |
|-------|------------|------------|
| 1     | 1.70 km/h  | 1.72 km/h  |
| 2     | 2.67 km/h  | 2,70 km/h  |
| 3     | 3.37 km/h  | 3,41 km/h  |
| 4     | 4.06 km/h  | 4.10 km/h  |
| 5     | 4.98 km/h  | 5.03 km/h  |
| 6     | 6.38 km/h  | 6.45 km/h  |
| 7     | 8.06 km/h  | 8.14 km/h  |
| 8     | 10.02 km/h | 10.17 km/h |
| 9     | 11.89 km/h | 12.01 km/h |
| 10    | 15.74 km/h | 15.90 km/h |
| 11    | 19.89 km/h | 20.09 km/h |
| 12    | 29.32 km/h | 29.61 km/h |

### FRONT AXLE

|                     |                      |
|---------------------|----------------------|
| Steering            | Hydrostatic          |
| 4WD - axle type     | Centre drive         |
| - engagement        | Mechanical           |
| - differential lock | Automatic (optional) |
| Steering angle      | 55°                  |

### REAR AXLE

|                    |                     |
|--------------------|---------------------|
| Final drive - type | Out board epicyclic |
| - ratio            | 5.077:1             |
| Differential lock  | Mechanical          |

### BRAKES: INTEGRAL BRAKING SYSTEM

|               |  |
|---------------|--|
| Brake type    | Oil cooled discs (front QTY 4; rear QTY 6) |
| Actuation     | Hydrostatic                                |
| Parking brake | Standard                                   |

### POWER TAKE-OFF

|                   |                        |
|-------------------|------------------------|
| Type              | Mechanical Independent |
| - 540 rev/min     | @ 1944 engine rev/min  |
| - 750 rev/min     | @ 1934 engine rev/min  |
| Shaft diameter    | 35 mm (1.3/8")         |
| Number of splines | 6                      |

### HYDRAULICS

|   |   |
|---|---|
| Functions   | Draft Control<br>Position Control<br>Response Control<br>Intermix |
| Linkage pump type                                 | Engine mounted gear   |
| Max. oil flow                                     | 42.3 litre/min  |
| Max. pressure                                     | 170 kg/cm <sup>2</sup>  |
| Max. lift capacity at link ends, links horizontal | 2600 kg   |
| Lower links                                       | Cat II/I<br>Ball ends with rigid stabilisers                      |
| Spool valves                                      | Up to 2 S/D acting  |

### ELECTRICS

|                    |   |
|--------------------|---|
| Voltage            | 12 V negative earth   |
| Battery            | 95 Ah   |
| Alternator/Starter | 45 Amp/2.5 kW   |
| Lights             | Headlights, sidelights<br>brake lights,<br>direction indicators,<br>rear plough lamp<br>Horn 7 pin trailer socket |
| Other              |   |

### OPERATOR AREA

|         |                       |
|---------|-----------------------|
| Seat    | Adjustable suspension |
| Fenders | Full cover            |

### TRACK ADJUSTMENT

|              |                             |
|--------------|-----------------------------|
| Front - 2 WD | 1090-1190<br>1290-1390-1490 |
| - 4 WD       | 1110-1190<br>1270-1350      |
| Rear         | 995-1090-1200-1295          |

### TYRES AND WHEELS

|            |           |
|------------|-----------|
| <b>2WD</b> |           |
| 6.00-16    | 360/70R24 |
| 9.00-10    | 14.9LR20  |
| <b>4WD</b> |           |
| 8.25-16    | 360/70R24 |
| 9.0/75-16  | 14.9LR20  |

### INSTRUMENTATION

|                |  |
|----------------|--|
| Gauges         | Electronic tachometer/hourmeter, fuel, water temperature   |
| Warning lights | Alternator<br>Oil pressure<br>Headlight main beam<br>Direction indicators<br>Hazard warning<br>Air cleaner restriction indicator |

### WEIGHTS AND DIMENSIONS

|                               | 2WD      | 4WD       |
|-------------------------------|----------|-----------|
| With full fuel, oil and water |          |           |
| Front tyres                   | 9.00-10  | 9.0/75-16 |
| Rear tyres                    | 14.9LR20 | 14.9LR20  |
| Weight - front                | 820 Kg   | 1060 Kg   |
| - rear                        | 1400 Kg  | 1320 Kg   |
| - total                       | 2220 Kg  | 2380 Kg   |
| Lenght - links horizontal     | 3443 mm  | 3443 mm   |
| width-minimum                 | 1375 mm  | 1375 mm   |
| Height - over hood            | 1231 mm  | 1231 mm   |
| Wheelbase                     | 2071 mm  | 2014 mm   |
| Turning radius                |          |           |
| - with brakes                 | 3350 mm  | 2600 mm   |
| - less brakes                 | 3550 mm  | 3100 mm   |
| Ground clearance under        |          |           |
| - drawbar                     | 366 mm   | 366 mm    |
| - front axle                  | 357 mm   | 304 mm    |
| - rear axle                   | 445 mm   | 445 mm    |

### CAPACITIES

|                               |           |
|-------------------------------|-----------|
| Fuel tank                     | 46 litres |
| Hydraulic system/transmission | 33 l.     |

### OPTIONAL EQUIPMENT

- 1) reverse shuttle + \*creeper 24 fwd + 12 rev.
  - 2) reverse shuttle + underdrive 24 fwd + 12 rev.
  - 3) reverse shuttle + overdrive 24 fwd + 12 rev.
- \* Creeper gear is intended for very low ground speed, p.t.o. use and light draft applications.

- 2-post forward mounted folding safety frame
- 4 W.D. automatic diff. lock
- p.t.o. at 1000 r.p.m. obtained at 1917 engine r.p.m.
- external spool valves s/d acting with floating/kick out (up to 2)
- independent hydraulic circuit (dual pump - 38 l. oil flow for external services, 29 l. for hydraulic lift) equipped with external spool valves (up to 3), positioned onto R.H.S. safety frame
- 3 point linkage CAT. 2 (side stabilizer adjustable from the ground) equipped with flwg leveling rod devices:
- 1) hydraulic ram (connected to one external spool valve)
- 2) 90 degree handle (adjustable from the ground)
- interchangeable ball end kit from CAT. 2 to cat 1
- swinging drawbar CAT. -A- (heavy duty)
- height adjustable -C- hook
- height adjustable -C- hook (automatic type)
- front weights frame with lowpin
- front weights (4x36 kg)
- lateral fender extensions

Electro-Hydraulic difflock (Front/Rear 4WD Rear 2WD)



**LANDINI S.p.A.**

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

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

Landini S.p.A. 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 this publications.