5D-T4i Series

90 - 100 - 110

Landini
Developed as an evolution of the Powerfarm, the 5D tractor range comprises three models with power outputs from 85 to 102 hp: the 90, 100 and 110.

They are powered by the new Perkins 854E-E34TA 3.4L, four-cylinder, turbo-aftercooled engines meeting the Tier 4 Interim emission standards. Based on cutting-edge technology, these engines feature a two-valve cylinder head and a common rail injection system and deliver outstanding performance in terms of power, torque and fuel economy.

The mechanical transmission with four speeds in three ranges (12FWD+12REV) offers a steering-column synchro shuttle and can be equipped with a creep speed unit and/or an overdrive. The transmission provides a maximum speed of 30 km/h on the 2WD models and of 40 km/h on the 4WD models. In addition, the 4WD version can be optionally equipped with a 12/12 power shuttle transmission featuring a shuttle modulation control for adjustment of the power shuttle response.

Besides new more-efficient engines, the 5D range also offers a brand new look. The hood has been fully redesigned to reflect the new Landini family styling and the cab interior has been refreshed to offer the operator higher levels of ergonomics and comfort.

The 5D tractors come in both two- and four-wheel drive version with either a cab or an iso-mounted platform giving this range all the versatility to tackle a wide variety of farming tasks.
5D-T4i Series,
simply new
**NEW PERKINS TIER 4 INTERIM 854E-E34TA ENGINES**

The 5D-T4i tractors are powered by the new Perkins 854E-E34TA four-cylinder turbo-aftercooled engines with two-valve cylinder head and electronic common rail injection system that provide power outputs from 85 to 102 hp. These 3.4-liter engines utilize an innovative exhaust gas recirculation system (EGR) in conjunction with a diesel particulate filter (DPF) to meet the Tier 4 Interim emission regulations. These units incorporate advanced technologies that improve tractor performance in terms of power, torque and fuel economy.

Fully reshaped to reflect the new Landini family style, the tilt-up hood opens wide to provide easy access to the engine compartment for routine service and maintenance (fig. A).

**FRONT AXLE WITH 55° STEERING ANGLE**

The 4WD front axle with electrohydraulic engagement offers a 55° steering angle providing excellent ground clearance and optimum manoeuvrability (fig. B). The combined action of the front and rear wet disc brakes ensures efficient braking on all four wheels. Featuring a full differential lock with electrohydraulic engagement, the front axle provides maximum traction even in the toughest ground conditions.
**SPEED FOUR MODULAR TRANSMISSION**

The 5D tractors feature a modular transmission (Speed Four) with four speeds in three ranges (12FWD+12REV) that provides a maximum speed of 30 km/h. This basic configuration is available only for the 2WD version and can be optionally equipped with a creep speed unit. On the 4WD version, the Speed Four transmission can be combined with an overdrive unit to provide 24 forward and 12 reverse gears and maximum speed of 40 km/h. With the creeper option, this configuration offers up to 36 forward and 12 reverse speeds (fig. C). Conveniently located to the driver’s left under the steering wheel, the synchro shuttle lever allows for easy direction changes. The same lever is also used to engage the overdrive transmission (fig. D). In addition, the 4WD models (40 km/h) can be optionally equipped with a 12/12 transmission with steering-column power shuttle. A shuttle modulation control allows adjustment of the power shuttle response. A Park Lock feature is supplied in conjunction with the power shuttle version for increased safety on sloping ground.

**KEY FEATURES & BENEFITS**

- ENGINES MEETING TIER 4 INTERIM EMISSION REGULATIONS
- ENGINES WITH ELECTRONIC INJECTION, TURBOCHARGING AND AIR-TO-AIR AFTERCOOLING
- INNOVATIVE EXHAUST GAS RECIRCULATION SYSTEM (EGR) WITH DPF FILTER
- HIGH ENGINE FLEXIBILITY, LOW FUEL CONSUMPTION
- TILT-UP HOOD FOR SIMPLIFIED SERVICE AND MAINTENANCE
- SPEED FOUR MODULAR TRANSMISSION WITH 4 SPEEDS IN 3 RANGES, OVERDRIVE UNIT AND OPTIONAL CREEPER WITH 36+16 SPEEDS
- SYNCHRO SHUTTLE LEVER CONVENIENTLY LOCATED UNDER THE STEERING WHEEL
- 12/12 TRANSMISSION (40 KMH) WITH POWER SHUTTLE AVAILABLE AS AN OPTION
- COMBINED FRONT AND REAR WET DISC BRAKES FOR EFFICIENT ALL-WHEEL BRAKING

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NEW INSTRUMENT PANEL AND STEERING WHEEL
Stylish and well lighted, the instrument panel tilts with the steering wheel, allowing the driver to constantly monitor the tractor operation (fig. E).

TWO-SPEED PTO WITH POWER-ASSISTED BUTTON CONTROL
The 1”3/8 PTO offers a choice of two speeds: 540/540E rpm or, optionally, 540/1000 rpm. The PTO clutch is mechanically operated via a power-assisted push-button (P) (fig. F) which enables smooth and modulated engagement of the PTO, ensuring a soft start-up of the implement for maximum comfort of operation.

POWERFUL HYDRAULICS FOR REAR LIFT AND REMOTE VALVE OPERATION
The new hydraulic system provides a maximum total flow of 82 l/min (lift + steering). The rugged mechanical power lift features a Category II three-point hitch with draft, position, mixed and float control which provides a maximum lift capacity of 4350 kg (fig. G). The lift is equipped as standard with Ergonomic Lift System (E), a device enabling automatic raising and lowering of lower links.

The system features four remote valves. Two valves are controlled by a joystick (1) (fig. H) and can be also used to operate a front loader, and two are controlled by levers (2) (fig. I) conveniently placed to the driver’s right.
NEW TOTAL VIEW CAB FOR SUPERIOR VISIBILITY AND COMFORT
The Total View cab has received a refreshed interior giving the driver a brighter and more comfortable working environment, while still retaining the look and feel of the previous versions. The fully adjustable driving position can be optionally equipped with an air suspension seat and the new instrument panel tilts with the steering column, allowing the driver to constantly monitor the tractor operation. The interior features a sleek and modern design with automotive-grade fit and finish and ergonomically-arranged controls (fig. L). The roof-mounted heating and ventilation system (air-conditioning as option) offers the operator a safe, healthy and comfortable work environment. A transparent roof hatch provides extra visibility for loader operations and four powerful lights make night work easy. Natural ventilation is ensured by the opening front and rear windscreens. The version with iso-mounted platform is equally comfortable and ergonomically-designed as the cab version. The two-post ROPS can be optionally equipped with a sun canopy.
### ENGINE

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### CLUTCH

- Independent Dry Dual Clutch
- Mechanically Operated

### TRANSMISSION

- Synchro Shuttle + Speed Four: 12FWD+12REV (30KM/H) (ONLY 2WD)
- Synchro Shuttle + Speed Four + Creeper: 16FWD+16REV (30KM/H) (ONLY 2WD)
- Synchro Shuttle + Speed Four + Overdrive: 24FWD+12REV (40 KM/H)
- Power Shuttle + Speed Four + Overdrive + Creeper: +32FWD+16REV (40 KM/H)
- Shuttle Modulation Control for Adjustment of Power Shuttle Response
- Park Look for Power Shuttle Version
- Electrohydraulic Diff-Lock on Rear Axle (ONLY 2WD)

### POWER TAKE-OFF

- Power Assisted Mechanical Engagement
- Electrohydraulic Control for Power Shuttle Version
- 2 Speeds: 540/540E RPM
- 2 Speeds: 540/1000 RPM
- Ground Speed PTO
- Net PTO Power (ISO) HP/KW 71.5 / 52.5 81.5 / 60 88 / 64.5

### FRONT 4WD AXLE

- Automatic 4WD Engagement When Braking
- Max. Steering Angle 55°
- Twin-Lock Electrohydraulic Differential Lock

### BRAKES

- Rear Graphite Wet Disc Brakes - 10 Discs
- Front Graphite Wet Disc Brakes - 4 Discs
- IBS - Integral Braking System

### REAR HYDRAULIC LIFT

- Draft, Position, Mixed and Float Control
- Mechanically Operated
- Ergonomic Lift System
- Rear Control Lever
- Lift Capacity with Two 50MM Assistor Rams KG 4350
- Hyd. Pump Flow Lift+Steering L/Min 52.3 + 28.9
- Cat. II Three-Point Hitch
- Standard Remote Valves

### CAB AND DRIVING POSITION

- Total VDV Cab / Radio Adaptor
- Air Conditioning
- Top-Comfort Version + Side Muffler + Mechanical Suspension Seat
- Top-Comfort Version + Side Muffler + Air Suspension Seat
- Analog Instrument Panel
- ISO-Mounted Platform

### WEIGHTS AND DIMENSIONS (IN RUNNING ORDER)

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Key:
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- *option*
- – not available