

**NEW**

# 5D-T4i Series

**90 - 100 - 110**



***Landini***



The Landini tractor line-up expands with the introduction of the 5D Tier 4 Interim series. 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 5D tractors have a mechanical transmission with synchro shuttle lever under the steering wheel that provides four speeds in three ranges, offering 12 forward and 12 reverse gears, and can be combined with an overdrive and a creeper.

Besides new more-efficient engines, the 5D range also has 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

## 5D T4i Series

### 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).



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.







## 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
- › COMBINED FRONT AND REAR WET DISC BRAKES FOR EFFICIENT ALL-WHEEL BRAKING

### '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).





## KEY FEATURES & BENEFITS

- › CAB WITH ALL-ROUND VISIBILITY AND ROOF HATCH FOR LOADER WORK
- › DRIVING POSITION WITH ADJUSTABLE STEERING WHEEL/INSTRUMENT PANEL AND AIR SUSPENSION SEAT
- › ERGONOMICALLY-ARRANGED, INTUITIVE CONTROLS
- › AIR-CONDITIONING ON CAB ROOF
- › PTO WITH POWER-ASSISTED BUTTON CONTROL FOR MODULATED, SMOOTH ENGAGEMENT
- › MECHANICAL REAR HITCH WITH ERGONOMIC LIFT SYSTEM
- › HYDRAULIC SYSTEM WITH MAXIMUM FLOW RATE OF 82 L/MIN (LIFT + STEERING)
- › FOUR REMOTE VALVES WITH JOYSTICK CONTROL FOR FRONT LOADER OPERATION



### 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 $\frac{3}{8}$ " PTO offers a choice of two speeds: 540/750 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 cat. 2 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, of which two 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.



		5-090D Synchro shuttle	5-100D Synchro shuttle	5-110D Synchro shuttle
<b>ENGINE</b>				
PERKINS TIER 4 INTERIM DIRECT-INJECTION ENGINE		854E-E34TA	854E-E34TA	854E-E34TA
MAX. POWER (ISO)	HP/KW	85 / 62,5	95 / 70	102 / 75
RATED SPEED	RPM	2200	2200	2200
MAX. TORQUE	NM	354	395	420
DISPLACEMENT / NO. OF CYLINDERS	CM³	3400/4	3400/4	3400/4
FUEL TANK CAPACITY	L	TURBO-AFTERCOOLED 102	TURBO-AFTERCOOLED 102	TURBO-AFTERCOOLED 102
<b>CLUTCH</b>				
INDEPENDENT DRY DUAL CLUTCH	IN.	11	12	12
MECHANICALLY OPERATED		●	●	●
<b>TRANSMISSION</b>				
MECH. REV. SHUTTLE + SPEED FOUR: 12FWD+12REV (30KM/H) (ONLY 2WD)		●	●	●
MECH. REV. SHUTTLE + SPEED FOUR + CREEPER: 16FWD+16REV (30KM/H) (ONLY 2WD)		○	○	○
MECH. REV. SHUTTLE + SPEED FOUR + OVERDRIVE: 24FWD+12REV (40 KM/H)		●	●	●
MECH. REV. SHUTTLE + SPEED FOUR + OVERDRIVE + CREEPER +: 32FWD+16REV (40 KM/H)		○	○	○
ELECTROHYDRAULIC DIFF-LOCK ON REAR AXLE (ONLY 2WD)		●	●	●
<b>POWER TAKE-OFF</b>				
POWER-ASSISTED MECHANICAL ENGAGEMENT		●	●	●
2 SPEEDS: 540/750 RPM	RPM	●	●	●
2 SPEEDS: 540/1000 RPM	RPM	○	○	○
GROUND SPEED PTO		○	○	○
NET PTO POWER (ISO)	HP/KW	71,5 / 52,5	81,5 / 60	88 / 64,5
<b>FRONT 4WD AXLE</b>				
AUTOMATIC 4WD ENGAGEMENT WHEN BRAKING		●	●	●
MAX. STEERING ANGLE		55°	55°	55°
TWIN-LOCK ELECTROHYDRAULIC DIFFERENTIAL LOCK		●	●	●
<b>BRAKES</b>				
REAR GRAPHITE WET DISC BRAKES - 10 DISCS		●	●	●
FRONT GRAPHITE WET DISC BRAKES - 4 DISCS		●	●	●
IBS - INTEGRAL BRAKING SYSTEM		●	●	●
<b>REAR HYDRAULIC LIFT</b>				
DRAFT, POSITION, INTERMIX AND FLOAT CONTROL		●	●	●
MECHANICALLY OPERATED		●	●	●
ERGONOMIC LIFT SYSTEM		●	●	●
REAR CONTROL LEVER		○	○	○
LIFT CAPACITY WITH TWO 50MM ASSISTOR RAMS	KG	4350 ●	4350 ●	4350 ●
HYDR. PUMP FLOW (LIFT+STEERING)	L/MIN	52,3 + 29,9	52,3 + 29,9	52,3 + 29,9
CAT. II THREE-POINT HITCH		●	●	●
STANDARD REMOTE VALVES		2	2	2
<b>CAB AND DRIVING POSITION</b>				
TOTAL VIEW 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		○	○	○
<b>WEIGHTS AND DIMENSIONS (IN RUNNING ORDER)</b>				
FRONT TIRES		11.2-24	13.6-24	380/70 R24
REAR TIRES		16.9-30	16.9-34	480/70 R34
A - LENGTH (WITH BALLAST)	MM	4136	4136	4136
B - MIN. WIDTH	MM	1945	2034	2110
C - WHEELBASE 2WD/4WD	MM	2341/2316	2341/2316	2341/2316
D - HEIGHT TO ROPS	MM	2510	2550	2560
D - HEIGHT OVER CAB	MM	2518	2558	2563
E - GROUND CLEARANCE 4WD	MM	425	475	475
WEIGHT 4WD (WITHOUT BALLAST) PLATFORM / CABINE	KG	3650/3850	3650/3850	3650/3850

Key: ● standard ○ option – not available

