

NEW

Serie 5H-T4i

90 - 100 - 110 - 115



Landini



New **5H-T4i Series:**

new look, new comfort,
new performance



Three years after its launch in 2012, the 5H tractor range is now revamped with a newly redesigned cab. Featuring a four-post design with flat-deck platform and rear hinged doors, the new cab provides ease of access to the driver's seat and unequalled allround visibility.

The cab interior is designed with painstaking attention to every detail. All controls are ergonomically-arranged for maximum comfort and ease of operation and the telescopic tilt-adjustable steering column tilts with the instrument panel, allowing the driver to constantly monitor the tractor performance. The air-conditioning system has been improved by relocating the filters into the rear posts for easier cleaning. As a result, the cab roof could be redesigned with a slimmer profile, allowing the tractor overall height to be reduced.

On the technical side, the new 5H tractors offer increased hydraulic flow (63 l/min + 30 l/min) and a larger fuel tank with capacity of up to 120 litres.

The new tractor range also features transmission upgrades. The 12+12 power shuttle transmission with shuttle modulation control can be upgraded to a 36+12 speed gearbox with a T-Tronic 3-speed powershift that provides a top speed of 40 km/h at reduced engine rpm.

The 5H tractor range comprises four models – the 90, 100, 110 and 115 – all powered by the new Perkins 854E-E34TA engines. Equipped with two-valve technology, common rail injection system and exhaust gas recirculation system (EGR), these 3.4-liter, four-cylinder, turbo-aftercooled engines meet the Tier 4 Interim emission regulations and offer power ratings from 85 to 113 hp. The first three models in the range come standard with Dual Power system. The 5H tractors are also available with iso-mounted platform.



New 5H Series

FRONT HITCH AND PTO FOR GREATER VERSATILITY (OPTIONAL)

The Cat. 2 three-point hitch features raise/lower and float position control functions and provides a lift capacity of 2100 kg. The 1000-rpm PTO is electro-hydraulically engaged via a pushbutton. The front hitch and PTO have been specially designed to enhance the versatility of the 5H tractor range, making it ideal for the use of front and rear implement combinations.

NEW PERKINS 854E-E34TA TIER 4 INTERIM ENGINES

The 5H tractors are powered by the new Perkins 854E-E34TA series four-cylinder turbo-aftercooled engines with power ratings from 85 to 113 hp. These 3.4L engines feature two-valve cylinder heads and electronic common rail injection system and utilize an innovative exhaust gas recirculation system (EGR) in conjunction with a diesel particulate filter (DPF) to meet the Tier 4 Interim emission regulations. The electronic engine management, combined with the Dual Power system, allows the engine to automatically deliver extra power and torque to handle demanding PTO and transport applications. Fully reshaped to reflect the new Landini family styling, the tilt-up hood opens wide to provide easy access to the engine compartment for service and maintenance and for easy cleaning of coolers in dusty conditions (fig. A).



A



FRONT AXLE WITH 55° STEERING ANGLE

The front 4WD axle with electrohydraulic engagement and 55-degree steering angle ensures high ground clearance and optimum manoeuvrability (fig. B). The combined action of the front and rear wet disc brakes provides 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
- › ENGINE POWER MANAGEMENT WITH DUAL POWER SYSTEM
- › HIGH ENGINE FLEXIBILITY, LOW FUEL CONSUMPTION
- › TILT-UP HOOD FOR SIMPLIFIED COOLER CLEANING
- › ELECTROHYDRAULIC T-TRONIC TRANSMISSION WITH 3 POWERSHIFT RANGES (H-M-L)
- › DE-CLUTCH BUTTON ON GEAR LEVER FOR MANUAL GEAR CHANGES
- › POWER SHUTTLE LEVER ADJACENT TO THE STEERING WHEEL
- › CHOICE OF 46 FORWARD AND 16 REVERSE SPEEDS WITH CREEPER

T4i



NEW INSTRUMENT PANEL AND STEERING WHEEL

Stylish and well lit, the instrument panel tilts with the steering wheel, allowing the driver to constantly monitor the tractor operation (fig. C).

ELECTROHYDRAULIC T-TRONIC TRANSMISSION WITH DE-CLUTCH CONTROL AND POWER SHUTTLE

The 5H features a Speed Four transmission with a hydraulic power shuttle providing three ranges with four speeds each. The basic gearbox can be combined with a T-Tronic transmission with three powershift ranges (high, medium, low) that can be shifted on-the-go using the green buttons integrated into the gear lever (fig. D). With the power shuttle (fig. C), this configuration provides 36 forward and 12 reverse speeds. A creeper unit is available as an option to increase the total number of speeds to 48 forward and 16 reverse.

The De-Clutch orange button on the gear lever (fig. D) and the power shuttle lever adjacent to the steering wheel (fig. C) allow the driver to change gear and shift from forward to reverse without using the clutch pedal. The power shuttle is equipped with shuttle modulation control. This feature, fitted on the control panel (fig. E), adjusts the power shuttle response to suit the operating conditions.





KEY FEATURES & BENEFITS

- › CAB WITH ALL-ROUND VISIBILITY AND ROOF HATCH FOR LOADER WORK
- › FULLY ADJUSTABLE DRIVING POSITION (STEERING WHEEL/CONTROL PANEL, AIR SUSPENSION SEAT)
- › ERGONOMICALLY-ARRANGED, INTUITIVE CONTROLS
- › SLIM-LINE CAB ROOF, AIR-CONDITIONING FILTERS INTEGRATED INTO REAR POSTS
- › PTO WITH ELECTROHYDRAULIC CONTROL FOR MODULATED, SMOOTH ENGAGEMENT
- › PTO WITH UP TO 3 SPEEDS: 540/750/1000 RPM
- › ELECTRONIC POWER LIFT WITH DRAFT SENSING ON LOWER LINKS
- › HYDRAULIC SYSTEM WITH MAXIMUM FLOW RATE OF 93 L/MIN (POWER LIFT +STEERING)
- › FOUR REMOTE VALVES WITH JOYSTICK FOR LOADER OPERATION

NEW LANDTRONIC POWER LIFT: THE PRECISION OF ELECTRONICS

With the controls conveniently located on the right-hand console (fig. G), the new electronically-controlled Landtronic power lift provides all main functions and regulations allowing fingertip control of the implement. The Cat 2 three-point linkage (fig. F) features lower-link draft control for easy operation and provides a maximum lift capacity of 4750 kg.



HYDRA-PTO: 2- AND 3-SPEED PTO WITH HYDRAULIC ENGAGEMENT FOR MAXIMUM FLEXIBILITY

The 1³/₈ PTO offers a choice of two speeds: 540/750 rpm or, optionally, 540/1000 rpm. An additional 3-speed PTO providing 540/750/1000 rpm is available as an option for greater versatility. Hydraulically operated by push-button (P) (fig. G), the multi-disc wet clutch allows for a modulated PTO engagement, thus ensuring a smooth start-up of the implement.





NEW TOTAL VIEW SLIM CAB FOR IMPROVED VISIBILITY AND SUPERIOR COMFORT

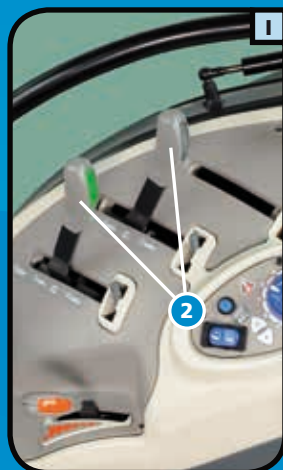
The new Total View Slim cab features a four-post design with flat-deck platform and rear hinged doors for ease of access and unequalled allround visibility. The cab interior is designed with painstaking attention to every detail. The fully-adjustable driving position features ergonomically-arranged controls and a telescopic tilt-adjustable steering column which tilts with the instrument panel, allowing the driver to constantly monitor the tractor operation. Optionally, the operator station can be fitted with an air suspension seat for extra comfort. The air-conditioning system has been improved by relocating the filters into the rear posts for easier cleaning. As a result, the cab roof could be redesigned with a slimmer profile allowing the tractor overall height to be reduced. The cab is totally isolated from the outside environment through tinted glass windows and an efficient pressurisation system. Both the front and rear windscreens can be opened to provide natural ventilation. A clear roof hatch provides extra visibility for loader work and four powerful halogen lights ensure excellent illumination for night work (fig. L).

The version with iso-mounted platform is equally comfortable and ergonomically designed as the cab version.

HIGH PERFORMANCE HYDRAULICS AND HIGHLY VERSATILE REMOTE VALVES

The new hydraulic system provides a maximum total flow of 93 l/min (power lift + steering). The system features four remote valves with lever controls conveniently placed to the driver's right, ensuring versatile and efficient use of implements.

Two of the valves are controlled by a joystick (1) (fig. H) and operate either a front loader or a front power lift, while the other two are controlled by levers (2) (fig. I).



	5-090H		5-100H		5-110H		5-115H		
	Techno	Top	Techno	Top	Techno	Top	Techno	Top	
ENGINE									
PERKINS TIER4 INTERIM DIRECT-INJECTION ENGINE			854E-E34TA		854E-E34TA		854E-E34TA		854E-E34TA
MAX POWER ISO (TECHNO VERSION)	HP/KW		85 / 62.5		95 / 70		102 / 75		113 / 83
MAX POWER ISO (TOP VERSION)	HP/KW		88.5 / 65		95 / 70		105 / 77		113 / 83
MAX POWER WITH DUAL POWER ISO (T-TRONIC TRANSMISSION)	HP/KW		95 / 70		102 / 75		113 / 83		—
RATED SPEED	RPM		2200		2200		2200		2200
MAX TORQUE (TECHNO VERSION)	LB. (NM)		260 (354)		290 (395)		310 (420)		330 (450)
MAX TORQUE (TOP VERSION)	LB. (NM)		270 (368)		290 (395)		318 (432)		330 (450)
MAX TORQUE WITH DUAL POWER (T-TRONIC TRANSMISSION)	LB. (NM)		290 (395)		310 (420)		330 (450)		—
DISPLACEMENT / CYLINDERS	L		3.4 / 4 TA		3.4 / 4 TA		3.4 / 4 TA		3.4 / 4 TA
FUEL TANK CAPACITY PLATFORM / CAB	GAL. (LT)		27 (102) / 32 (120)		27 (102) / 32 (120)		27 (102) / 32 (120)		27 (102) / 32 (120)
CLUTCH									
INDEPENDENT DRY SINGLE-PLATE CLUTCH	IN. (MM)		13" (330)		13" (330)		13" (330)		13" (330)
MECHANICALLY OPERATED			●		●		●		●
MULTI-DISC WET CLUTCH			●		●		●		●
DECLUTCH CONTROL: BUTTON-OPERATED CLUTCH			●		●		●		●
TRANSMISSION									
MECH. REV. SHUTTLE + SPEED FOUR: 12FWD+12REV (2WD ONLY)			●		●		●		—
MECH. REV. SHUTTLE + SPEED FOUR + CREEPER: 16FWD+16REV (2WD ONLY)			○		○		○		—
MECH. REV. SHUTTLE + SPEED FOUR + OVERDRIVE: 24FWD+12REV 25 MPH (40KM/H) (PLATFORM ONLY)			●		●		●		●
MECH. REV. SHUTTLE + SPEED FOUR: 12FWD+12REV (40KM/H) (CAB ONLY)			●		●		●		●
HYDR. REV. SHUTTLE + SPEED FOUR: 12FWD+12REV			●		●		●		●
HYDR. REV. SHUTTLE + SPEED FOUR + CREEPER: 16FWD+16REV			○		○		○		○
HYDR. REV. SHUTTLE + SPEED FOUR + T-TRONIC: 36FWD+12REV 25 MPH (40KM/H)			○		○		○		○
HYDR. REV. SHUTTLE + SPEED FOUR + T-TRONIC + CREEPER: 48FWD+16REV 25 MPH (40KM/H)			○		○		○		○
ECO FORTY (40 KM/H) AT REDUCED ENGINE SPEED (T-TRONIC TRANSMISSION)			○		○		○		○
SHUTTLE MODULATION CONTROL: POTENTIOMETER FOR ADJUSTMENT OF POWER SHUTTLE RESPONSE			●		●		●		●
PARK LOCK			○		○		○		○
POWER TAKE-OFF									
OIL-IMMERSED MULTI-DISC HYDRA P.T.O			●		●		●		●
ELECTROHYDRAULIC CONTROL			●		●		●		●
2 SPEEDS 540/750 RPM			●		●		●		●
2 SPEEDS 540/1000 RPM			○		○		○		○
3 SPEEDS 540/750/1000 RPM			○		○		○		○
GROUND SPEED PTO			○		○		○		○
NET PTO POWER (ISO) TECHNO VERSION (TOP VERSION)	HP/KW		71.5 / 52.5		81.5 / 60		88 / 64.5		97.5 / 71.5 (96 / 70.5)
NET PTO POWER WITH DUAL POWER (ISO) (T-TRONIC TRANSMISSION)	HP/KW		80 / 59		86.5 / 63.5		96 / 70.5		—
FRONT 4WD AXLE									
ELECTROHYDRAULIC 4WD ENGAGEMENT			●		●		●		●
MAX. STEERING ANGLE			55°		55°		55°		55°
TWIN-LOCK ELECTROHYDRAULIC DIFF-LOCKS			●		●		●		●
BRAKES									
OIL-IMMERSED GRAPHITE-COATED REAR BRAKES, 10 DISCS			●		●		●		●
OIL-IMMERSED GRAPHITE-COATED FRONT BRAKES, 4 DISCS			●		●		●		●
IBS - INTEGRAL BRAKING SYSTEM			●		●		●		●
HYDRAULIC POWER LIFT									
DRAFT, POSITION, INTERMIX AND FLOAT CONTROL			●		●		●		●
MECHANICALLY OPERATED			●		●		●		●
ERGONOMIC LIFT SYSTEM + REAR CONTROL LEVER			○		○		○		○
ELECTRONICALLY-OPERATED LANDTRONIC (ONLY CAB)			○		○		○		○
LIFTING CAPACITY WITH 2 ASSISTOR RAMS	LB. (KG)		10450 (4750)		10450 (4750)		10450 (4750)		10450 (4750)
HYDRAULIC FLOW @ REMOTES	GPM (L/MIN)		16,6 (63)		16,6 (63)		16,6 (63)		16,6 (63)
TOTAL HYDRAULIC FLOW (HITCH + STEERING)	GPM (L/MIN)		24.5+7.9 (63+30)		24.5+7.9 (63+30)		24.5+7.9 (63+30)		24.5+7.9 (63+30)
AUXILIARY VALVES STD/OPT			2 / 4		2 / 4		2 / 4		2 / 4
FRONT HITCH AND FRONT PTO	LIFT CAPACITY LB. (KG)		4620 (2100) ○		4620 (2100) ○		4620 (2100) ○		4620 (2100) ○
CAB AND DRIVING SEAT									
TOTAL VIEW SLIM CAB / RADIO ADAPTOR			●		●		●		●
HEATING / VENTILATION			●		●		●		●
AIR-CONDITIONING			●		●		●		●
AIR SUSPENSION SEAT			○	●	○	●	○	●	○
ISO-MOUNTED PLATFORM			○		○		○		○
DIMENSIONS AND WEIGHTS (IN RUNNING ORDER)									
A - HEIGHT TO SAFETY FRAME	IN. (MM)		102.5 (2610)		102.5 (2610)		102.5 (2610)		102.5 (2610)
A - HEIGHT OVER CAB	IN. (MM)		99/101.5 (2523/2582)		99/101.5 (2523/2582)		99/101.5 (2523/2582)		99/101.5 (2523/2582)
B - WHEELBASE 2WD/4WD	IN. (MM)		87.5/91 (2223/2320)		87.5/91 (2223/2320)		87.5/91 (2223/2320)		—/91 (—/2320)
C - LENGTH (WITH BALLAST)	IN. (MM)		173.8 (4414)		173.8 (4414)		173.8 (4414)		173.8 (4414)
D - GROUND CLEARANCE 4WD	IN. (MM)		13.5/16 (350/409)		13.5/16 (350/409)		13.5/16 (350/409)		13.5/16 (350/409)
E - MIN. WIDTH	IN. (MM)		83.5 (2121)		83.5 (2121)		83.5 (2121)		83.5 (2121)
F - FRONT TYRES	IN. (MM)		56/77.5 (1427/1967)		56/77.5 (1427/1967)		56/77.5 (1427/1967)		56/77.5 (1427/1967)
G - REAR TYRES	IN. (MM)		65.5/79 (1292/2008)		65.5/79 (1292/2008)		65.5/79 (1292/2008)		65.5/79 (1292/2008)
WEIGHT (WITHOUT BALLAST) 4WD + CAB 550 LB. (250 KG)	LB. (KG)		8030 (3650)		8030 (3650)		8030 (3650)		8030 (3650)

Key: ● standard ○ option – not available

