

NEW

6C Series

120 - 130 - 140



Landini



The new 6C Series from Landini is the successor to the popular Powermondial tractor family. The three models in the range are powered by the new FPT NEF 4.5L engines with power ratings of 114, 121 and 133 hp.

All engines meet the Tier 4 Interim emission standards using the innovative SCR (Selective Catalytic Reduction) system to reduce exhaust emissions and feature the Dual Power system which boosts engine power to 121, 133 and 140 hp for PTO and transport applications.

The 6C tractors offer a compact design and an all-new modern and stylish four-post cab with automotive-grade fit and finish for maximum comfort of operation.

The main technical features of the 6C range include a new 36+12 T-Tronic transmission with a three-step powershift, an electronically-controlled rear hitch with up to 5400 kg lift capacity, an optional 4-speed PTO and an upgraded hydraulic system, which is offered either in standard configuration with a flow rate of 66 l/min or in closed-centre version (LS) with 110 l/min flow rate.

A front hitch and PTO are available as an option to enhance the tractor's versatility. The 6C tractor range can be further equipped with a front axle and cab suspension to improve ride comfort on road.





6C Series,
innovative design for
unparalleled comfort
and productivity



KEY FEATURES & BENEFITS

- ENGINES MEETING TIER 4 INTERIM EMISSION REGULATIONS
- ELECTRONIC POWER MANAGEMENT WITH THE DUAL POWER SYSTEM
- EXHAUST GAS AFTER-TREATMENT WITH SCR CATALYTIC CONVERTER
- LARGE, EASY-FILL FUEL TANK
- NEW HOOD DESIGN IN LINE WITH LANDINI FAMILY STYLE
- ELECTRO-HYDRAULIC 3-STAGE POWERSHIFT TRANSMISSION (H-M-L)
- CHOICE OF 48 FORWARD AND 16 REVERSE SPEEDS WITH CREEPER
- GEAR LEVER-MOUNTED DECLUTCH BUTTON FOR MANUAL GEAR CHANGES
- POWER SHUTTLE LEVER ADJACENT TO THE STEERING COLUMN
- ECO FORTY GIVING 40KMH AT 1900 RPM

TIER 4 INTERIM FPT-NEF ENGINES WITH SCR SYSTEM

The 6C tractors are powered by the FPT-NEF 4.5L, 4-cylinder turbo engines with four valves per cylinder and common rail injection system that deliver maximum outputs of 121, 133 and 140 hp. The optimised electronic fuel injection and the enhanced combustion efficiency, combined with the SCR system, allow these engines to deliver exceptional power and torque backup, while reducing fuel consumption. They also feature the Dual Power system which automatically delivers extra power and torque to handle tough conditions and heavy loads, while maintaining speed and productivity. The tilt-up hood opens wide to provide easy access to the engine compartment for routine service and maintenance (fig. A).



New 6C T4i Series



T-TRONIC TRANSMISSION WITH DECLUTCH CONTROL AND POWER SHUTTLE

The T-Tronic transmission triples the 12 gears of the basic gearbox (Speed Four with 4 speeds in 3 ranges) under load, providing a total of 36 forward speeds and 12 reverse speeds. Gears are shifted using the switch (L) located on the gearshift lever (fig. C).

A creep transmission is available as an option to increase the number of speeds to 48 forward and 16 reverse. The declutch control button (M) on the gear lever (fig. C) and the shuttle control lever adjacent to the steering wheel (fig. D) allow the operator to change gear and shift from forward to reverse without using the clutch pedal.

The T-Tronic transmission also includes an Eco Forty mode that provides a top speed of 40 km/h at 1900 rpm, resulting in increased fuel economy and lower noise during road transport. Where legally permitted, a top speed of 50 km/h can be reached with the Top Fifty mode.

A shuttle modulation control (potentiometer) allows the power shuttle response to be adjusted to suit implement used and soil conditions.



INDEPENDENT FRONT SUSPENSION

The 6C series can be optionally equipped with an electronically-controlled independent front suspension that allows faster travel speeds, better traction and excellent manoeuvrability on all terrains, thereby improving operator comfort, safety and productivity (fig. B).

FRONT POWER LIFT AND PTO (OPTIONAL)

The Cat. 2 three-point hitch features raise/lower control and float position and provides a lift capacity of 2500 kg. The 1000-rpm PTO is electro-hydraulically engaged via a pushbutton. The front power lift and PTO have been specially designed to enhance the versatility of the 6C tractor range, making it ideal for the use of front and rear implement combinations.



KEY FEATURES & BENEFITS

- NEW MASTER CLASS FOUR-POST CAB WITH FLAT-DECK PLATFORM
- AIR SUSPENSION SEAT AND TILT ADJUSTABLE STEERING WHEEL/ CONTROL PANEL
- CLIMATE CONTROL AND OPENING ROOF HATCH
- MECHANICAL CAB SUSPENSION (LS VERSION)
- SUSPENDED FRONT AXLE (LS VERSION)
- CLOSED-CENTRE HYDRAULIC SYSTEM (LS VERSION)
- UP TO FIVE REMOTE VALVES, TWO OPERATED BY JOYSTICK CONTROLLER
- ELECTRONIC POWER LIFT WITH 5400 KG LIFT CAPACITY
- ELECTRO-HYDRAULICALLY OPERATED PTO WITH UP TO 4 SPEEDS

HYDRA-PTO: 2- AND 4-SPEED PTO WITH HYDRAULIC ENGAGEMENT FOR MAXIMUM FLEXIBILITY

The PTO offers a choice of two speeds as standard. A 4-speed PTO is also available as an option.

Hydraulically operated by push-button (P) (fig. E), the multi-disc wet clutch allows for a modulated PTO engagement, thus ensuring a smooth implement start-up.

The Auto PTO feature automatically disengages and reengages the PTO at 3-point linkage heights set by the operator thereby ensuring precise control of the implement during headland turns (fig. E-F).

HIGH-PERFORMANCE HYDRAULIC SYSTEM WITH VERSATILE REMOTE VALVES

The new hydraulic system is optionally available in a closed-centre configuration (LS) with a total flow rate of 110 l/min. It features up to five load sensing remote valves with controls integrated into the right-hand console allowing an efficient use of the implements for greater versatility. Two remote valves are controlled by a joystick controller (1) to operate a front loader, while the remaining three valves are controlled by levers (2) (fig. E-H).



LANDTRONIC POWER LIFT

With the controls conveniently located on the right-hand console (fig. E), the electronically-operated Landtronic power lift includes all main settings for simple and precise implement operation. A radar sensor is also available to improve tractive performance and reduce wheel slip in difficult ground conditions. Offering a maximum lift capacity of 5400 kg with two assistors rams, the three-point hitch is Category II and is equipped with lower link draft sensing for accurate implement control (fig. F).



G



NEW MASTER CLASS CAB FOR UNMATCHED VISIBILITY AND COMFORT

Featuring a four-post design with a flat-deck platform and rear hinged doors, the new Master Class cab offers easy access to the driver's seat and unmatched all-round visibility.

The driving position with multiple adjustments features an air suspension seat and a telescopic tilt-adjustable steering wheel that tilts with the instrument panel. The main controls are conveniently integrated into the right-hand console for maximum comfort and ease of operation.

The interior features a sleek and modern design with automotive-grade fit and finish and ergonomically-arranged controls. Perfectly sound-proofed, pressurised and air-conditioned, the cab of the 6C tractor offers a comfortable environment for long hours in the field.

A mechanical cab suspension is optionally available for extra comfort.

A roof hatch ensures perfect visibility for loader work. Fourteen powerful halogen lights provide excellent illumination for working at night (Fig. G).



F



H

	6-120C STD	6-130C STD	6-140C STD	6-140C LS*
ENGINE				
TIER 4 INTERIM / STAGE 3B		NEF 4 CYL CR TAA	NEF 4 CYL CR TAA	NEF 4 CYL CR TAA
ELECTRONIC HIGH PRESSURE COMMON RAIL	●	●	●	●
TURBO/AIR-TO-AIR INTERCOOLER	●	●	●	●
MAX. ENGINE POWER (ISO RATING)	HP/KW 114/84	121/89	130/95.5	
MAX. ENGINE POWER WITH DUAL POWER (ISO RATING)	HP/KW 121/89	133/98	140/103	
RATED ENGINE SPEED	RPM 2200	2200	2200	
MAX. TORQUE WITH DUAL POWER	NM 495	545	577	
ENGINE RPM @ MAX. TORQUE WITH DUAL POWER	RPM 1500	1500	1500	
BORE / STROKE	MM 104 / 132	104 / 132	104 / 132	
DISPLACEMENT / NO. OF CYLINDERS / NO. OF VALVES	CM ³ 4500 / 4 / 16	4500 / 4 / 16	4500 / 4 / 16	
S.C.R. EXHAUST SYSTEM	●	●	●	●
ADBLUE TANK CAPACITY	L 25	25	25	
FUEL TANK CAPACITY	L 180	180	180	
CLUTCH				
MULTI-DISC WET CLUTCH	●	●	●	●
DECLUTCH FUNCTION: BUTTON-OPERATED CLUTCH CONTROL	●	●	●	●
TRANSMISSION				
T-TRONIC + SPEED FOUR + HYDR. POWER SHUTTLE: 36FWD+12REV (3 POWERSHIFT SPEEDS)	●	●	●	●
T-TRONIC + SPEED FOUR + CREEPER + HYDR. POWER SHUTTLE: 48FWD+16REV	○	○	○	○
ECO FORTY (40 KM/H) AT REDUCED ENGINE SPEED	●	●	●	●
TOP FIFTY (50 KM/H)		○	○	○
REVERSE POWER SHUTTLE	●	●	●	●
SHUTTLE MODULATION CONTROL: POTENTIOMETER FOR ADJUSTMENT OF POWER SHUTTLE RESPONSIVENESS	●	●	●	●
POWER TAKE-OFF				
WET MULTI-DISC PTO CLUTCH	●	●	●	●
ELECTROHYDRAULIC ENGAGEMENT	●	●	●	●
2 SPEEDS: 540/540E RPM	●	●	●	●
2 SPEEDS: 540/1000 RPM	○	○	○	○
4 SPEEDS: 540/540E/1000/1000E RPM	○	○	○	○
GROUND SPEED PTO	○	○	○	○
FRONT 4WD AXLE				
ELECTROHYDRAULIC 4WD ENGAGEMENT	●	●	●	●
ELECTRONICALLY-CONTROLLED HYDRAULIC SUSPENSIONS		○	○	○
MAX. STEERING ANGLE	55°	55°	55°	55°
ELECTROHYDRAULIC TWIN-LOCK DIFFERENTIAL LOCK	●	●	●	●
BRAKING SYSTEM				
ANNULAR PISTON REAR BRAKES	●	●	●	●
AUTOMATIC 4WD ENGAGEMENT ON BRAKING	●	●	●	●
WET MULTI-DISC FRONT BRAKES	○	●	○	●
HYDRAULIC HITCH				
CONTROL FUNCTIONS: DRAFT, POSITION, INTERMIX, FLOAT POSITION	●	●	●	●
LANDTRONIC ELECTRONICALLY-CONTROLLED HITCH	●	●	●	●
LIFT CAPACITY WITH 2 STD ASSISTOR RAMS	KG 5400	5400	5400	5400
MAX. OPERATING PRESSURE	BAR 200	200	200	200
HYDRAULIC PUMP FLOW (HITCH + STEERING)	L/MIN 66+38	66+38	66+38	66+38
CLOSED CENTRE SYSTEM PUMP FLOW (HITCH + STEERING)	L/MIN 110+38	110+38	110+38	110+38
CAT. 2 THREE-POINT LINKAGE	●	●	●	●
HYDRAULIC ADJUSTMENT OF TOP LINK AND RIGHT LIFTING ROD	○	○	○	○
REMOTE VALVES STANDARD / OPTIONAL	3 / 5	3 / 5	3 / 5	3 / 5
FRONT HITCH AND FRONT PTO (MAX. LIFT CAPACITY)	KG 2500	○	KG 2500	○
CAB AND DRIVING POSITION				
"MASTER CLASS" CAB / RADIO ADAPTOR	●	●	●	●
MECHANICAL CAB SUSPENSION		○	○	○
HEATING / VENTILATION	●	●	●	●
AIR-CONDITIONING	●	○	●	●
CLIMATE CONTROL	○	●	●	●
AIR SUSPENSION SEAT	○	●	●	●
DIMENSIONS AND WEIGHTS				
FRONT / REAR TYRES		480/65R24 / 540/65R38	480/65R24 / 540/65R38	480/65R24 / 540/65R38
A - LENGTH 4WD	MM 4400	4400	4400	4400
B - MIN. WIDTH	MM 2056	2056	2056	2056
C - WHEELBASE 4WD	MM 2540	2540	2540	2540
D - HEIGHT OVER CAB	MM 2805	2805	2805	2805
E - GROUND CLEARANCE	MM 420	420	420	420
WEIGHT IN RUNNING ORDER (WITHOUT BALLAST)	KG 4700		KG 4700	
OPTIONAL EQUIPMENT				
10 FRONT BALLAST WEIGHTS 42 KG EACH	○	○	○	○
300 KG FRONT WEIGHT FOR HITCH	○	○	○	○

Key: ● standard ○ option – not available LS* LOAD SENSING

