

**NEW**

# 6L Series

**145 - 160 - 175**



***Landini***



**New 6L Series,**  
a reliable successor  
to the Landpower

Developed to replace the popular Landpower range, the 6L Series has been launched on the European market in three models: the 6-145L, 6-160L and 6-175L.

Powered by 16-valve, 4.5-liter Tier 4 Interim engines with SCR system that deliver 143, 163 and 176 hp, these tractors are ideally suited for all kinds of field work, including heavy-duty applications. The tilt-up hood opens wide to provide easy access to the engine compartment for routine service and maintenance and the coolers located in front of the radiator open fully from a single latch to provide easy cleaning in dusty conditions. Featuring a capacious 270-liter fuel tank, with the AdBlue tank holding up to 38 litres, these fuel-efficient tractors offer longer run times between refuelling stops.

The 6L Series comes standard with synchro shuttle. A power shuttle with 3-speed powershift is available on request. The transmission can be optionally equipped with a creep gearbox that delivers speeds as low as 410 m/h.

The hydraulic system delivers a flow rate of 87 l/min to operate all hydraulic functions plus 38 l/min for the steering circuit. The system offers up to five electro-hydraulic remote valves and a ground speed PTO as standard. The 6L range features an electronically-controlled rear hitch with a maximum lift capacity of 8400 kg. A front hitch capable of lifting up to 3500 kg and a front PTO are also available as an option.

To further increase operator comfort, a new suspended axle is optionally available to ensure maximum ride comfort on road and in the field.

Combining powerful performance and modern design, the 6L Series offers a fully restyled cab with new colours for the interior and sports the distinctive family style that runs across all Landini tractors of the latest generation.





## KEY FEATURES & BENEFITS

- › ENGINES MEETING TIER 4 INTERIM EMISSION REGULATIONS
- › EXHAUST GAS AFTER-TREATMENT WITH SCR CATALYTIC CONVERTER
- › LARGE, EASY-FILL FUEL TANK
- › NEW HOOD DESIGN TO MATCH LANDINI'S UPDATED FAMILY STYLING
- › ELECTRO-HYDRAULIC T-TRONIC TRANSMISSION (3-SPEED POWERSHIFT)
- › CHOICE OF 105 FORWARD AND 36 REVERSE SPEEDS WITH CREEPER
- › GEAR LEVER-MOUNTED DE-CLUTCH BUTTON FOR MANUAL GEAR CHANGES
- › POWER SHUTTLE LEVER ADJACENT TO THE STEERING COLUMN

### TIER 4 INTERIM FPT-NEF ENGINES WITH SCR SYSTEM

The three models in the 6L T4i range are powered by the 4.5-liter, 4-cylinder turbo FPT-NEF engines with 16-valve cylinder head and common rail injection system that deliver from 143 to 176 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. In addition, a 270-liter fuel tank and a 38-liter AdBlue tank allow for many hours of fieldwork without refuelling. The tilt-up hood opens wide to provide easy access to the engine compartment for service and maintenance and the coolers located in front of the radiator open fully from a single latch to provide easy cleaning in dusty conditions (fig. A).



# New 6L Series T4i



## 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 3500 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 6L tractor range, making it ideal for the use of front and rear implement combinations.

## CHOICE OF TWO TRANSMISSIONS FOR MAXIMUM FLEXIBILITY: SPEED SIX AND T-TRONIC

The Speed Six transmission features six speeds in three ranges providing a total of 18 forward and 18 reverse speeds with synchro shuttle. Optionally, the basic gearbox can be combined with a T-Tronic transmission that can be shifted on the go using the green buttons integrated into the gear lever (fig. C) and triples the number of gears, providing a total of 54 forward and 18 reverse speeds. The De-clutch control (orange button 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. A creep transmission is available as an option for both configurations.



## RIGID OR HYDRAULICALLY-SUSPENDED FRONT AXLE

The front axle incorporates advanced features including central drive, Hydralock differential lock, wet disc brakes and hydraulic four-wheel drive engagement. In addition, its high ground clearance combined with a 55-degree steering angle makes for easy, quick manoeuvring in tight spaces (fig. B). Optionally, a front axle with an electronically-controlled independent suspension is available that allows faster travel speeds, better traction and excellent manoeuvrability on all terrains for greater safety, increased productivity and enhanced operator comfort.



## KEY FEATURES & BENEFITS

- › CAB WITH ALL-ROUND VISIBILITY AND ROOF HATCH FOR LOADER OPERATIONS
- › FULLY ADJUSTABLE DRIVING POSITION (STEERING WHEEL, AIR SUSPENSION SEAT)
- › ERGONOMICALLY-DESIGNED, INTUITIVE CONTROLS
- › PTO WITH ELECTROHYDRAULIC CONTROL FOR MODULATED, SMOOTH ENGAGEMENT
- › ELECTRONIC POWER LIFT WITH DRAFT CONTROL ON LOWER LINKS
- › HYDRAULIC SYSTEM WITH MAXIMUM FLOW RATE OF 125 L/MIN (POWER LIFT +STEERING)
- › UP TO 5 REMOTE VALVES WITH JOYSTICK FOR LOADER OPERATIONS



### LANDTRONIC POWER LIFT

With the controls ergonomically arranged on the right-hand console (fig. E).

The electronically-operated Landtronic power lift includes all main settings for simple and precise implement operation. The Cat. 3 three-point hitch features lower link draft sensing for accurate implement control and two 100mm assistor rams that provide a maximum lift capacity of 8400 kg (fig. F). The three-point hitch is optionally available with hydraulic lifting rod and top link.



### HIGH-PERFORMANCE HYDRAULIC SYSTEM WITH VERSATILE REMOTE VALVES

The hydraulic system offers a total flow rate of 125 l/min. It features up to five remote valves for maximum versatility. Two remote valves are controlled by a joystick controller (1) to operate either a front hitch or a front loader, while the remaining three valves are controlled by levers (2) (fig. G). The remote valves are also used to operate the hydraulic right lifting rod and top link supplied as options. The high-quality quick-release couplings, mounted on the rear of the tractor, are easily accessible for convenient and fast operation (fig. H).





I



### NEW MASTER CLASS CAB FOR UNMATCHED VISIBILITY AND COMFORT

Featuring a four-post design with rear hinged doors, the new Master Class cab offers ease of access to the driver's seat and unmatched all-round visibility. The interior has been refreshed with a sleek, modern design and a new colour scheme. The driving position features an air suspension seat with multiple adjustments, a telescopic tilt-adjustable steering column and ergonomically-designed, intuitive-to-use controls for ease of operation. Perfectly sound-proofed and equipped with a highly-efficient air conditioning system, the cab of the 6L tractor offers a comfortable environment for long hours in the field. A transparent roof hatch provides extra visibility for loader operations. Ten powerful halogen lights offer excellent illumination for night work (fig. I).



G



H

		6-145 L	6-160 L	6-175 L
<b>ENGINE</b>				
TIER 4 INTERIM / STAGE 3B		NEF 4 CYL CR TAA	NEF 4 CYL CR TAA	NEF 4 CYL CR TAA
MAX ENGINE POWER AT 1900 RPM (ISO TR 14396 ECE R120)	HP/KW	143 / 105	163 / 120	176 / 129
RATED ENGINE POWER AT 2200 RPM (ISO TR 14396 ECE R120)	HP/KW	131 / 96	150 / 110	170 / 125
MAX. TORQUE AT 1500 RPM (ISO TR 14396 ECE R120)	LB (NM)	434 (590)	497 (676)	500 (680)
BORE / STROKE	IN (MM)	4.1/5.2 (104/132)	4.1/5.2 (104/132)	4.1/5.2 (104/132)
DISPLACEMENT CU. IN. (CM <sup>3</sup> ) / NO. OF CYLINDERS / NO. OF VALVES		274 (4500) / 4 / 16	274 (4500) / 4 / 16	274 (4500) / 4 / 16
EXHAUST SYSTEM S.C.R.		●	●	●
CAPACITY ADBLUE	GAL. (LT)	10 (38)	10 (38)	10 (38)
FUEL TANK CAPACITY	GAL. (LT)	70.5 (270)	70.5 (270)	70.5 (270)
<b>CLUTCH</b>				
DOUBLE-PLATE DRY CLUTCH	14" (355 MM)	●	●	●
MECHANICALLY OPERATED		●	●	●
MULTI-DISC WET CLUTCH		○	○	○
DE-CLUTCH CONTROL: CLUTCH WITH BUTTON		○	○	○
<b>TRANSMISSION</b>				
SPEED SIX + REV. SHUTTLE: 18FWD + 18REV		●	●	●
SPEED SIX + CREEPER + REV. SHUTTLE: 36FWD + 36REV		○	○	○
SPEED SIX + T-TRONIC + HYDR. REV. SHUTTLE: 54FWD + 18REV		○	○	○
SPEED SIX + T-TRONIC + CREEPER + HYDR. REV. SHUTTLE: 105FWD + 36REV		○	○	○
BAR-TYPE AXLE		—	○	○
<b>P.T.O.</b>				
HYDRA P.T.O. OIL IMMERSSED		●	●	●
ELECTROHYDRAULIC CONTROL		●	●	●
2 SPEEDS: 540/1000 RPM		●	●	●
GROUND SPEED PTO		●	●	●
<b>4WD FRONT AXLE</b>				
RIGID TYPE		●	●	●
ELECTRONICALLY-CONTROLLED INDEPENDENT SUSPENSION		○	○	○
ELECTROHYDRAULIC 4WD ENGAGEMENT		●	●	●
MAX. STEERING ANGLE 55°		●	●	●
TWIN-LOCK ELECTROHYDRAULIC DIFF-LOCKS		●	●	●
<b>BRAKES (INTEGRAL BRAKING SYSTEM)</b>				
OIL-IMMERSSED GRAPHITE-COATED REAR BRAKES	10 DISCS	●	●	●
OIL-IMMERSSED GRAPHITE-COATED FRONT BRAKES	4 DISCS	●	●	●
HYDRAULIC TRAILER BRAKING		○	○	○
PNEUMATIC TRAILER BRAKING		○	○	○
<b>HYDRAULIC POWER LIFT</b>				
ELECTRONICALLY OPERATED		●	●	●
FUNCTIONS: POSITION CONTROL, INTERMIX, FLOAT POSITION, SHOCK ABSORBER		●	●	●
LIFTING CAPACITY WITH 2 AUXILIARY CYLINDERS Ø 3,54 IN (90 MM) AND Ø 3,94 IN (100 MM)*	LB (KG)	15400 (7000)	18480 (8400)*	18480 (8400)*
HYDRAULIC FLOW @ REMOTE	GPM (L/MIN)	23 (87)	23 (87)	23 (87)
TOTAL HYDRAULIC FLOW (HITCH + STEERING)	GPM (L/MIN)	23+10 (87+38)	23+10 (87+38)	23+10 (87+38)
CAT. 2 AND 3 THREE-POINT LINKAGE		●	●	●
HYDRAULIC ADJUSTMENT OF RIGHT LIFTING ROD AND TOP LINK		○	○	○
AUXILIARY VALVES N° STD/OPT		3/5	3/5	3/5
<b>FRONT POWER LIFT</b>				
MECHANICALLY OPERATED (RAISING/LOWERING AND FLOAT POSITION)		○	○	○
LIFT CAPACITY 7700 LB (3500 KG)		○	○	○
CAT. 2 THREE-POINT LINKAGE		○	○	○
FRONT HITCH AND P.T.O.		○	○	○
<b>NEW CAB AND DRIVING SEAT</b>				
"MASTER CLASS" CAB /AUTO-RADIO FITTING FACILITIES		●	●	●
AIR-CONDITIONING		●	●	●
MECHANICAL SEAT		●	●	●
PNEUMATIC SUSPENSION SEAT		○	○	○
<b>DIMENSIONS AND WEIGHTS</b>				
FRONT TYRES		480/65R28	480/65R28	480/65R28
REAR TYRES		650/65R38	650/65R38	650/65R38
A - HEIGHT OVER CAB	IN (MM)	110 (2800)	110 (2800)	110 (2800)
B - WHEELBASE	IN (MM)	107 (2734)	107 (2734)	107 (2734)
C - MAX. LENGTH (WITH BALLAST WEIGHTS)	IN (MM)	207 (5270)	207 (5270)	207 (5270)
D - GROUND CLEARANCE	IN (MM)	19.5 (500)	19.5 (500)	19.5 (500)
E - MIN/MAX WIDTH	IN (MM)	87/99 (2220/2520)	87/99 (2220/2520)	87/99 (2220/2520)
TOTAL WEIGHT (WITHOUT BALLAST WEIGHTS)	LB (KG)	13200 (6000)	13530 (6150)	13530 (6150)

