

# TL-A

**New Holland TL-A tractors  
Models TL70A, TL80A, TL90A and TL100A**



**NEW HOLLAND**



# Modern, dynamic and easy to use.

Multi-purpose. A word that we at New Holland could have invented for the stylish TL-A tractor range. Modern, versatile, light and powerful TL-A 72 to 100hp(CV) tractors combine compact dimensions with great manoeuvrability. Add excellent visibility and a TL-A tractor becomes the first choice for yard work with enough stamina for a full range of field tasks. From feeding stock through to hauling heavy loads and ploughing in tough terrain, one of the four TL-A tractor models available will deliver exactly the performance and flexibility you need. You can also specify a New Holland FL front loader. Specifically designed to match the tractor perfectly, these advanced loaders are simple to fit and remove to meet your working needs. Style, versatility and efficiency. TL-A. Typically New Holland.





### **Great looks boost productivity**

Sit in the low profile cab of a TL-A tractor. You can see exactly what is going on to the front, sides and rear. The distinctive slim and sloping New Holland engine hood has evolved to enable the operator to see clearly ahead, with no exhaust stack to get in the way. Even with an FL front loader in place, the operator has a great view. Turn around and look out over the rear linkage.

Operating rear implements or side mounted attachments is easier because the operator can see them clearly from the quiet, comfortable cab.



### **Look at your needs and choose a TL-A to suit**

Depending upon model, a Series TL-A tractor can be specified with a 12x4 Synchro Command™\*, 12x12 Shuttle Command™, 20 x12 Shuttle Command™ with creep or 24x24 Dual Command™ transmission. Two or four-wheel drive and a choice of electronic or mechanical draft control is also available. Rear linkage lift capacities can be as high as 5060kg and up to three remote valves and two mid mount valves can be specified. A joystick, which can either control two remote valves simultaneously or work a New Holland FL front loader, can also be chosen. Even a field performance monitor can be added. Simply work out the features you need.

\* 12x4 Synchro Command™ transmission not offered in UK/ROI.

### **High capacity stamina**

The all new 4.5 litre four-cylinder Tier II engines, shared with TS100A models, powering TL-A tractors are not just smooth, clean running and economical. They are quieter and offer outstanding performance. Torque rise is up to a massive 37%. Peak power and torque are matched to meet demanding draft and PTO applications. Of equal importance, the engines are just as at home on lighter duties. Low fuel consumption combines with 600 hour service intervals to ensure consistently low operating costs.

# A quieter comfortable cab for a versatile tractor.

With its slim cab pillars, modern uncluttered layout and ample space, the cab of a Series TL-A tractor is equally suited to both long working hours in the field or repeated in and out access. Offering excellent visibility and noise levels as low as 75.5dB(A), the cab is quiet, comfortable and easy to keep clean. It is also robustly finished to suit the wide range of duties the tractors have been built for. A comprehensive set of work lights is fitted as standard.



## As warm or as cool as you like

Models specified with air conditioning allow the operator to set their preferred cab temperature using an electronic thermostat. The adjustable ventilation outlets can direct incoming air to where it is most needed and the variable speed offers full airflow adjustment.

## Simple, comfortable and roomy

A versatile tractor needs a cab that matches user needs. Good access is essential, with wide opening doors that are easy to open and close. All fittings need to be durable and able to withstand the rigours of daily use. The floor needs to be easy to clean with space for odds and ends. TL-A tractors offer outstanding ergonomics. Everything is positioned to be within easy reach. Repetitive tasks are made simpler by related controls being grouped close together. This helps reduce operator fatigue and increases ease of operation.





### **Yard, road or field, the view out is outstanding**

Good visibility is a key to making any tractor easier to operate. Series TL-A tractors benefit from New Holland's proven experience in cab design, with slim cab pillars and glazing down to floor level ensuring the operator has the best visibility possible. Add to this the sleekly styled engine hood and even operating a front loader is no problem. New telescopic rear view mirrors are available for working with wide trailers.



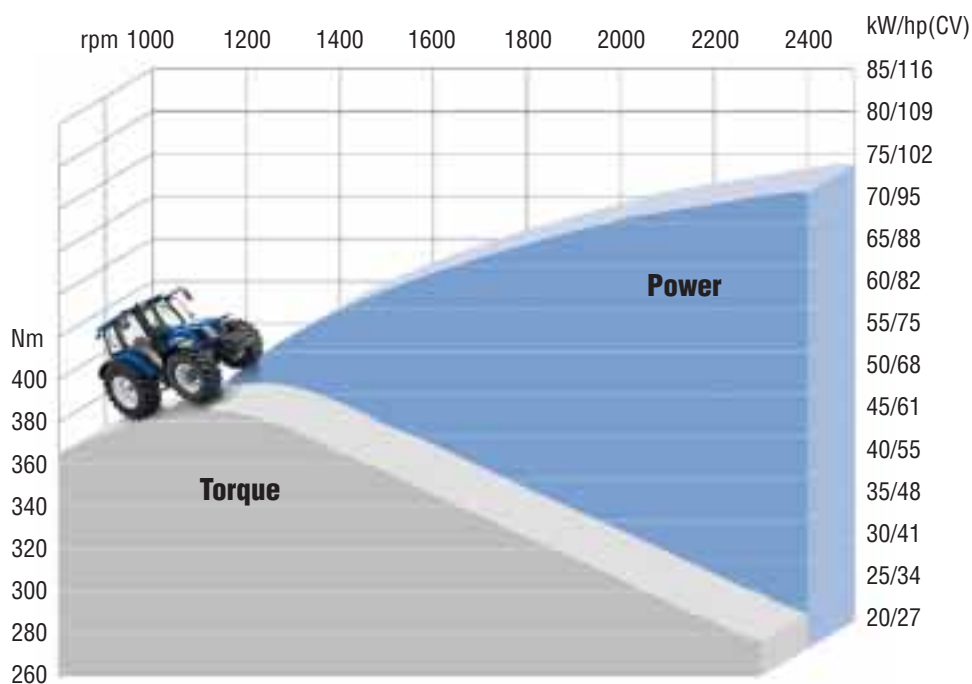
### **Clear and detailed information**

New easy to read analogue dials indicate fuel level, engine speed and engine temperature with a digital display showing PTO and tractor speeds. Other standard features include a timed turn indicator buzzer, a warning if the lights are left on with the ignition off, a dual format digital clock and a low fuel warning. An integral performance monitor, with input keypad, can be specified and linked to the tractor's CAN-Bus system. This monitor can show the area or distance covered, the selected PTO speed and, if a radar is fitted, indicate wheel slip. A service indicator is also built in. The monitor is operated using a keypad built into the main instrument panel.



# Modern engines that quietly get on with the job.

The newly developed engines powering Series TL-A tractor have been designed to cope with the varied demands placed on this class of tractor. Also found in the TS100A and able to provide the rugged reliability demanded of a yard tractor while producing the performance to cope with seasonal field operations, these advanced engines set new standards of performance and reduced noise levels. Where economic, quiet and reliable operation has to be matched with excellent power and torque reserves, Series TL-A are the tractors to choose.



## Extra power and massive torque for heavyweight performance

Developing 72, 82, 91 and 100hp(CV), the new 4.5 litre four-cylinder engines powering TL-A tractors combine Tier II compliant emissions with excellent fuel economy and outstanding performance. Torque rise is massive at up to 37%, ensuring maximum productivity in both demanding draft and PTO applications. Series TL-A are the light tractors to choose for heavyweight performance.





### **Low fuel consumption for day long stamina**

High efficiency means lower emissions and fuel use. The TL90A and TL100A have a fuel capacity of up to 167 litres. This is sufficient for arduous long days without the need to refuel. When other tractors have to stop, these TL-A tractors can just keep on working.

### **Quiet, efficient and economic**

The quieter all-new engines powering TL-A tractors benefit from oil change intervals of 600 hours. This, combined with low fuel consumption, ensures whole life operating costs are considerably reduced.

# Transmissions to match your needs.

Series TL-A tractors can be specified with one of four transmissions; 12x4 Synchro Command™ transmission\*, 12x12 Shuttle Command™ transmission, 20x12 Shuttle Command™ transmission with creep speed and 24x24 Dual Command™ transmission with Powershuttle. 20x12 Super creep transmission for specialist root crops provides speeds from 0.25 to 40 kph. This broad offering, with up to 12 gears in the main working speeds, enables you to choose the right package for your specific needs.

\* 12x4 Synchro Command™ transmission not offered in UK/ROI.

## **Powershuttle for yard and field**

24x24 Dual Command™ transmissions offer a clutchless Powershuttle.

Fully modulated to ensure a smooth transition between forward and reverse, the Powershuttle lever is positioned so it is easy to reach with the left hand. When operating a New Holland FL front loader, the Powershuttle helps boost productivity. In the field, turning at the headland is effortless.





### **Split a ratio under full load**

On 24x24 Dual Command™ transmissions, the powershift can be used to reduce the selected speed by 15% and to increase torque at the wheels by 18%. In changing conditions, the PowerShift can enable the operator to select a single ratio and use the powershift to adjust the forward speed without changing gear. The PowerShift button is mounted on the main shift lever for ease of operation.



### **Simple, rugged and versatile**

20x12 Shuttle Command™ with creeper transmissions feature a broad speed overlap between each gear. Operators can select the correct speed for the job without the need to shift between ranges. Eight creeper speeds in the low and medium ranges provide speeds as low as 0.250kph at rated engine speed - ideal for root crop operations.



### **Matched forward and reverse speeds**

12x12 Shuttle Command™ transmissions have matched forward and reverse speeds with a left hand mechanical shuttle to simplify repetitive direction changes.



# Maximum agility and optimum traction come as standard.

A light, all-purpose tractor has to be agile. Series TL-A tractors are offered with a choice of two- or four-wheel drive, with hydrostatic steering for fast lock to lock turns. Four-wheel drive front axles have a tight turn angle of 55 degrees. This ensures tight turns can be made in confined spaces without losing the advantage of optimum traction.





### **Traction on demand**

All four-wheel drive models benefit from fully locking differentials in both the front and rear axles. The differential locks are electro-hydraulically engaged, the operator simply pressing a switch to lock or release drive to the wheels. Four-wheel drive selection is also controlled in the same way, with automatic modulation to ensure power transmission is engaged smoothly, even under full load.



### **Brakes to match 40kph transport speeds**

All Series TL-A tractors have oil immersed disc brakes in the rear axle. These can be operated independently in the field and automatically adjust to compensate for wear. Four-wheel drive models are equipped with four wheel braking. Synchronised hydraulic trailer braking helps ensure safe braking even when towing heavy trailers.



### **Fenders that move out of the way**

New dynamic fenders can be specified on four-wheel drive models. Mounted on pivoting brackets, the fenders automatically clear the tractor's bodywork as the wheels reach full lock.



# As advanced as you want or as simple as you require.

Series TL-A tractors benefit from powerful hydraulics and a choice between mechanical or electronic draft control. The PTO can also be specified with electro-hydraulic control, with operating speeds to suit specific needs.





### **A speed for every application**

In addition to the standard 540rpm and ground speed PTO, a choice of 540 Economy and 1000rpm speeds are offered. The PTO speed selector is mounted in the cab.



### **Modulated PTO control**

Where electro-hydraulic PTO control is specified, engagement is automatically modulated to gradually feed power to the implement. The yellow engagement knob is easy to reach and fitted with a central safety button to prevent accidental engagement. The manual PTO system's engagement lever is designed to be easy to reach and allows the operator to feed power to the implement gradually.



### **Dynamic Ride Control™ and Electronic Draft Control (EDC)**

EDC equipped tractors provide easy setting for maximum hitch height, drop rate, position/draft sensitivity and working depth. This enables implements to be raised or lowered to pre-set levels without additional input from the operator. Dynamic Ride Control is fitted to all EDC equipped tractors. It helps provide a smoother and more stable ride when transporting heavy mounted equipment on the rear linkage. This improves safety and operator comfort. Once set, Dynamic Ride Control will automatically engage at speeds over 8kph.



### **Advanced mechanical control**

Mechanical draft control uses proven Flexion Bar™ lower link draft sensing for maximum performance. New Holland's proven Lift-O-Matic™ system is also fitted. This enables the operator to raise and lower implements at the end of the field to pre-set levels quickly and easily. The Vario-Speed system automatically adjusts lowering speed according to implement weight.



### **Ease of control**

A hydraulic joystick control is available. This enables two remote valves, either rear or mid-mounted, to be operated simultaneously. This advanced feature improves ease of use and productivity. It is of particular value when working with a front loader. The powerful hydraulic pump delivers 59lpm flow rate at operating pressures of up to 198bar.

# Specifically developed as a perfect match.

New Holland FL front loaders are specifically designed for the tractor to which they are fitted. This starts with the mounting brackets. These are designed so service access and visibility are not compromised. Next, the hydraulic couplings and loader controls are fully integrated. This does away with bulky pipe runs, poorly sealed apertures into the cab and badly positioned controls. These extremely tough front loaders are available in a specification to match the tractor's power and user's requirements.



### Capacities to match your demands

Three New Holland FL front loaders are available. Each can be specified with a choice of manual levelling, mechanical self-levelling or hydraulic self-levelling. Lift capacities span 2050kg to 2582kg and maximum lift heights range from 3755mm to 4084mm.

		90FL	100FL	120FL
Max. lift capacity at pivot	(kg)	2050	2532	2310 / 2582*
Max. height at pivot	(mm)	3755	3755	4084
Power range	(hp)	60 - 95	70 - 100	70 - 120

- \* Hydraulic self-levelling models offer three additional features:
- Adjustable lowering speed.
  - Fast tip for a quick bucket discharge at a touch of a button.
  - Self-levelling can be switched on and off at a touch of a button.



### Quality attachments to optimise performance

A range of attachments designed to enhance the capacity of New Holland front loaders is available. These include forks, grabs and buckets. The attachment carriage can be specified to suit a range of existing equipment, enabling a new loader to work with existing equipment. Typical forward thinking from New Holland.



### Fast fitting and removal

All New Holland front loaders are available with an integrated self-levelling stand and a unique Easylock single point quick coupling hydraulic system. The front loader is attached without tools using a simple hitch system that makes fitting and removal fast, safe and easy .

# New Holland. Understanding your day to day needs.

New Holland understands that the needs of customer's goes beyond the product. The innovative Series TL-A tractor range is supported by dealers who understand local conditions. Each tractor can be specified to meet these conditions. After sales support is another area where New Holland has made huge investments. Training and parts support are key ingredients in a professional partnership with customers. The best support in the market comes as standard. Typically New Holland.

## **The best advice and support**

New Holland recognises the importance of its dealers. They are your first port of call for more information and advice. From delivery and service through to finance and extended warranties, your New Holland dealer is your business partner.

## **Genuine value**

New Holland products are designed to offer the best performance to help you maximise the return on your investment. Built to exacting quality standards, New Holland equipment delivers reduced whole life operating costs to provide the best value.





### **World class parts availability**

When replacement parts are required, local dealerships will be able to supply the majority off the shelf.



### **Dealer fitted accessories**

New Holland is a global brand. To optimise machine performance in all operating conditions, a comprehensive range of approved accessories can be supplied and fitted by your New Holland dealer.



### **Tailored finance packages**

Different regions, varied applications and individual customer demands. It all adds up to a wide variety of requirements. New Holland understands the need for flexibility and provides a range of finance packages to suit.



### **Trained technicians**

Down time is the enemy of productivity, especially during peak work periods. New Holland technicians are trained to quickly resolve any problems and keep you working.



## Specifications.

		TL70A	TL80A	TL90A	TL100A
<b>New Holland Engine developed by CNH Engine Corporation</b>					
No. of cylinders / aspiration / emission level		4 / Naturally / Tier II	4 / Naturally / Tier II	4 / Light turbo / Tier II	4 / Turbo / Tier II
Capacity	(cm³)	4500	4500	4500	4500
Bore x stroke	(mm)	104 x 132	104 x 132	104 x 132	104 x 132
Rated engine power ISO TR14396 - 2000/25/EC	[kW/hp(CV)]	53/72	60/82	67/91	73.5/100
Rated engine speed	(rpm)	2500	2500	2500	2500
Max. torque	(Nm)	280	320	350	370
...at engine speed	(rpm)	1400	1400	1400	1400
Torque rise	(%)	36	37	37	35
Fuel capacity standard / optional	(l)	105 / 127	105 / 127	127 / 167	127 / 167
Service Interval	(hrs)	600	600	600	600
<b>Synchro Command™ 30kph transmission (not offered in UK/ROI)</b>					
Number of gears	(F - R)	12x4	12x4	–	–
Min. speed	(kph)	1.6	1.6	–	–
<b>Shuttle Command™ transmission</b>					
Number of gears / with super creep	(F - R)	12x12 / 20x12	12x12 / 20x12	12x12 / 20x12	12x12 / 20x12
Min. speed 30kph / with super creep	(kph)	1.6 / 0.25	1.6 / 0.25	1.6 / 0.25	1.6 / 0.25
Min. speed 40kph / with super creep	(kph)	1.5 / 0.25	1.5 / 0.25	1.7 / 0.25	1.7 / 0.25
<b>Dual Command™ transmission (not offered in UK/ROI)</b>					
Number of gears	(F - R)	24x12	24x12	24x12	24x12
Min. speed 30kph / 40kph	(kph)	1.4 / 1.5	1.5 / 1.5	1.5 / 1.7	1.5 / 1.7
<b>Dual Command™ transmission with Powershuttle</b>					
Number of gears	(F - R)	24x24	24x24	24x24	24x24
Min. speed 30kph / 40kph	(kph)	1.4 / 1.5	1.5 / 1.5	1.5 / 1.7	1.5 / 1.7
<b>Axles</b>					
2WD front axle		○	○	○	○
4WD front axle		●	●	●	●
4WD engagement		electro-hydraulic	electro-hydraulic	electro-hydraulic	electro-hydraulic
Front and rear diff. lock engagement		electro-hydraulic	electro-hydraulic	electro-hydraulic	electro-hydraulic
Dynamic fenders		○	○	○	○
<b>Hydraulics</b>					
Fix displacement pump:					
Main pump flow standard / optional	(lpm)	51 / 59	51 / 59	51 / 59	51 / 59
Max. system pressure	(bar)	198	198	198	198
Steering pump flow 2WD / 4WD	(lpm)	30 / 39.5	30 / 39.5	30 / 39.5	30 / 39.5
Mechanical or Electronic Draft Control		MDC/EDC	MDC/EDC	MDC/EDC	MDC/EDC
<b>Remote valves</b>					
Type			Open centre or closed centre deluxe		
Max. number		3 + 2 mid mount	3 + 2 mid mount	3 + 2 mid mount	3 + 2 mid mount
<b>Linkage</b>					
Maximum lift capacity at ball ends with arms horizontal	(kg)	4550	4550	5060	5060
Category		II	II	II	II
<b>PTO</b>					
Engine speed at:					
540rpm	(rpm)	2199	2199	2199	2199
540 Economy rpm	(rpm)	1715	1715	1715	1715
1000rpm	(rpm)	2382	2382	2382	2382
PTO activation Soft Start		electro-hydraulic	electro-hydraulic	electro-hydraulic	electro-hydraulic
<b>Cab</b>					
Air suspension seat		●	●	●	●
Air conditioning		○	○	○	○
Air re-circulation filters		●	●	●	●
Cab noise level OECD	dB(A)	75.5	75.5	75.5	75.5
<b>Turn radius at narrowest track setting</b>					
Optimum turn radius 2WD / 4WD	(mm)	3770 / 3900	3770 / 3900	3770 / 4050	3770 / 4050
Turn angle 2WD / 4WD	(°)	55 / 55	55 / 55	55 / 55	55 / 55

		TL70A	TL80A	TL90A	TL100A
<b>Dimensions* on standard tyres</b>					
<b>A</b> Overall length inc. weight pack and rear linkage	(mm)	4362	4362	4362	4362
<b>B</b> Minimum width	(mm)	2012	2012	2012	2012
<b>C</b> Overall height	(mm)	2454	2499	2494	2494
<b>D</b> Height at centre of rear axle to top of cab	(mm)	1786	1786	1786	1786
<b>E</b> Wheelbase 2WD / 4WD	(mm)	2342 / 2314	2342 / 2314	2342 / 2314	2342 / 2314
<b>F</b> Track width					
Front 2WD min. - max. / 4WD min. - max.	(mm)	1407-2175 / 1323-2031	1407-2175 / 1323-2031	1407-2175 / 1425-2133	1407-2175 / 1425-2133
Rear min. - max.	(mm)	1438-2038	1534-2135	1534-2135	1534-2135
<b>G</b> Ground clearance 2WD / 4WD	(mm)	376 / 456	376 / 456	376 / 456	376 / 456
<b>Weights*</b>					
Minimum weight with cab 2WD / 4WD	(kg)	3550 / 3850	3750 / 4050	3850 / 4250	3850 / 4250
Maximum permissible total weight	(kg)	5400	5700	6200	6200
<b>Standard tyres*</b>					
Front 2WD / 4WD		7.50-16 / 11.2 R24	9.00-16 / 13.6 R24	10.00-16 / 380/70 R24	10.00-16 / 380/70 R24
Rear		16.9 R30	16.9 R34	480/70 R34	480/70 R34

\* to comply with legislation and specification in your country

● Standard ○ Optional at extra cost – Not available





# A great family of specialists at work.

All New Holland people and products are special and have specific tasks: to meet customers' demands and to ensure customers' success. That is why farmers with specific working needs who are serious about their future trust New Holland and its world wide dealer network. They know that here they can find all the technological innovations that increase their productivity and confidence; more flexible and convenient finance packages, designed by people who understand agriculture; service that makes the difference, with prompt and efficient assistance in the workshop and the field and New Holland Original Parts - readily available for all types of machine and models. They know that New Holland people will understand them, because New Holland people think the way they do. New Holland is a great family of specialists, which together with its customers, is growing every day. Visit our web site or call free phone number - for UK: [www.newholland.com/uk](http://www.newholland.com/uk) - tel: **0800 015 0105** for ROI: [www.newholland.com/ie](http://www.newholland.com/ie) - tel: **1 800 523 174**



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**Your success – Our specialty**

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AT YOUR OWN DEALERSHIP



**NEW HOLLAND IS A BRAND OF CNH.**  
**CNH: A WORLD-LEADING MANUFACTURER OF TRACTORS, COMBINES AND BALERS.**

New Holland prefers **AMERICA** lubricants