

# NEW HOLLAND TL-A

TL70A | TL80A | TL90A | TL100A



## 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.



### **Work out your needs and choose a TL-A to suit**

Series TL-A tractors can be specified with a choice of 12x12 Shuttle Command™, 20x12 Shuttle Command™ with creeper, 24x12 Dual Command™ and 24x24 Dual Command™ with Powershuttle transmissions. In addition, a Power Clutch is offered for the 24x24 Dual Command. This enables gear changes to be made without using the clutch pedal. 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.

### **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.



### **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.

## CAB.

# 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.

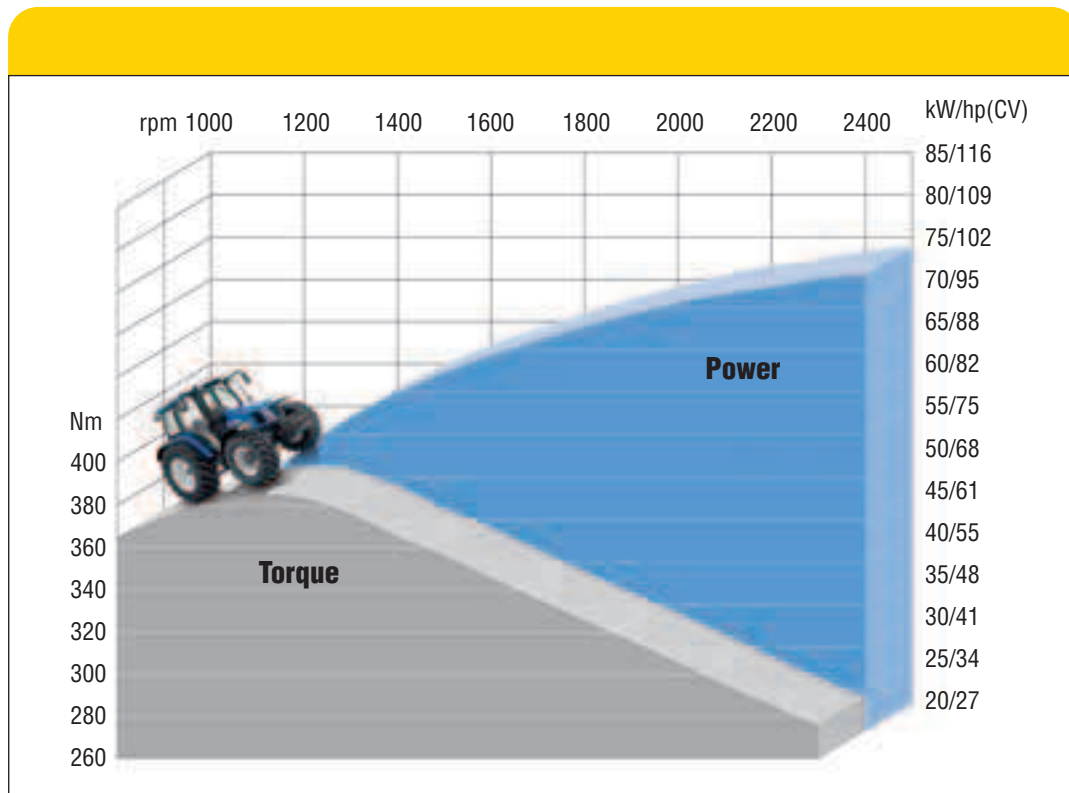
The monitor is operated using a keypad built into the main instrument panel.



## ENGINE.

# 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.

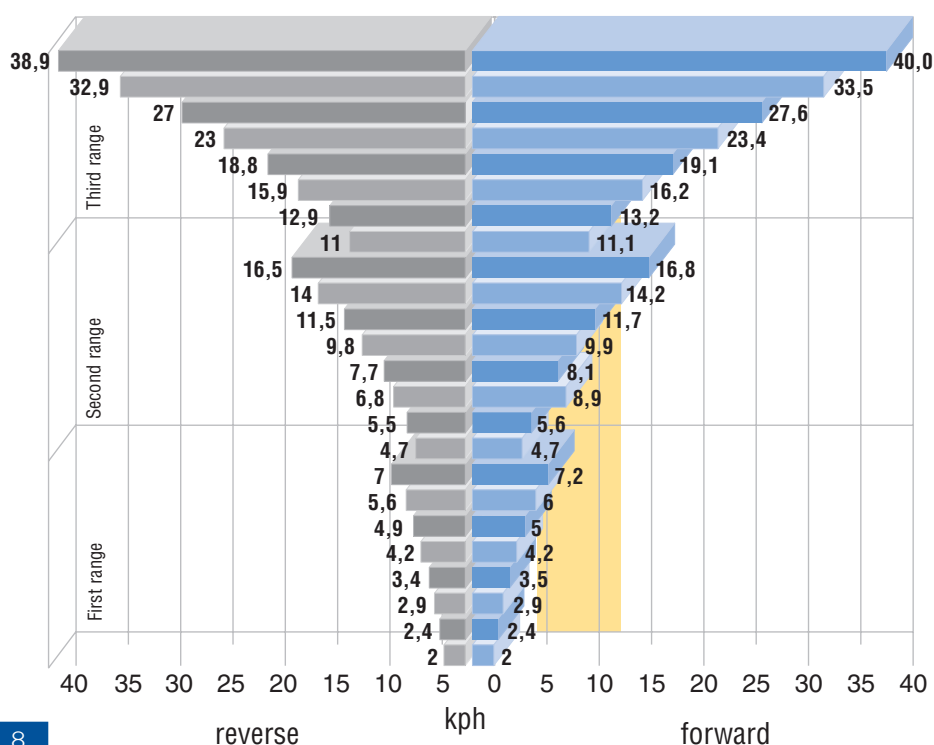
### **Quiet, efficient and economic**

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.

# TRANSMISSION. TRANSMISSIONS TO MATCH YOUR NEEDS.

Series TL-A tractors can be specified with one of three transmissions:  
 12x12 Shuttle Command™,  
 20x12 Shuttle Command™ with creeper,  
 24x12 Dual Command™,  
 24x24 Dual Command™ with Powershuttle,  
 24x24 Dual Command™ with Powershuttle and Power Clutch.  
 This broad offering, with up to 11 gears in the main working speeds, enables you to choose the right package for your specific needs.

**24x24 Dual Command™ transmission**  
**11 gears in the main working speeds of 4-12kph.**



## 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.

### **Easy to operate**

24x24 Dual Command™ transmission is available with a Power Clutch button on the gear lever. This allows the operator to change through eight speeds without using the clutch pedal. Power Clutch modulates the take up of power for smooth shifting.

### **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.

**TRACTION / AXLES.**

## **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.

## HYDRAULICS AND PTO. AS ADVANCED AS YOU WANT OR AS SIMPLE

Series TL-A tractors benefit from powerful hydraulics and a choice between mechanical or electronic draft control. The PTO can also be specified with Soft Start 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.

### **Soft Start PTO**

The Soft Start electro-hydraulic PTO control automatically determines the rate at which power is delivered to the implement.

This protects the PTO driveline when working with high inertia implements and prevents a sudden take up of power when using light equipment.

A fender mounted engagement button is available.

# AS YOU REQUIRE.



## **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.



## **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.



## **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.

**FL FRONT LOADER.  
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.



Model		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

### 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.

\* 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 PARTS AND SERVICE.  
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.

### **Trained technicians**

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

### **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.

### **DIA**



### **Dealer Installed Accessories**

New Holland is a global brand, but it still recognises the needs of local operating conditions. To optimise machine performance in all operating conditions, here some examples of the comprehensive range of approved accessories that can be supplied and fitted by your New Holland dealer.

**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	(cm <sup>3</sup> )	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>Shuttle Command™ transmission</b>					
Number of gears / with super creep	(F - R)	12x12 / 20x12	12x12 / 20x12	12x12 / 20x12	12x12 / 20x12
Min. speed 30 kph / with super creep	(kph)	1.6 / 0.25	1.6 / 0.25	1.6 / 0.25	1.6 / 0.25
Min. speed 40 kph / with super creep	(kph)	1.5 / 0.25	1.5 / 0.25	1.7 / 0.25	1.7 / 0.25
<b>Dual Command™ transmission</b>					
Number of gears	(F - R)	24x12	24x12	24x12	24x12
Number of gears with Powershuttle	(F - R)	24x24	24x24	24x24	24x24
Number of gears with Powershuttle and Power Clutch	(F - R)	24x24	24x24	24x24	24x24
Min. speed 30 kph / 40 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		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		2199	2199	2199	2199
540 Economy rpm		1715	1715	1715	1715
1000rpm		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

## Specifications

TL70A

TL80A

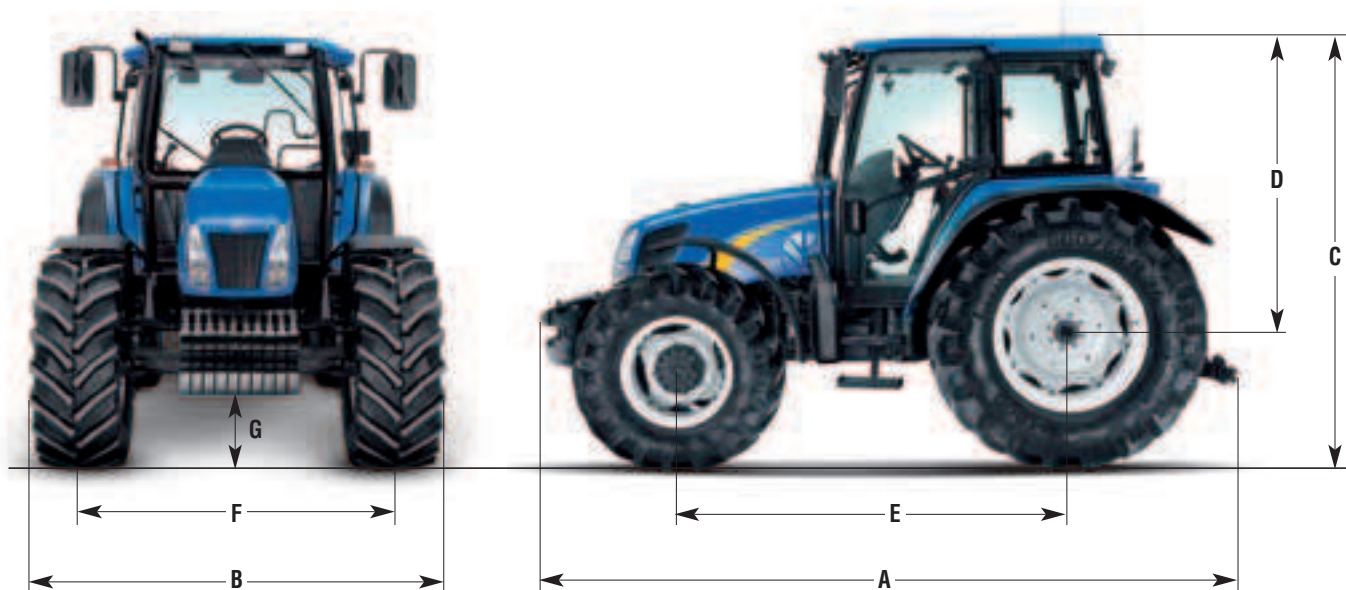
TL90A

TL100A

Specifications		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



# Managed in close partnership with New Holland dealers and New Holland Parts and Service Teams, New Holland Top Service is:



## TOP AVAILABILITY.

We are always there for you: 24/7, all year round! Whatever information you need, whatever your problem or request, all you have to do is call the New Holland Top Service toll free number\*.



## TOP SPEED.

Express parts delivery: when you need it, where you need it!



## TOP PRIORITY.

Fast-track solution during the season: because your harvest can't wait!



## TOP SATISFACTION.

We drive and track the solution you need, keeping you informed: until you are 100% satisfied!

## TOP SERVICE

# 00800 64 111 111

\* Calls to the Top Service team are free from landlines in the United Kingdom and Republic of Ireland. UK-based mobile calls are also free, but Republic of Ireland mobile users should call **01 2421881** and this will be charged at your standard network rate.

For more details, ask your New Holland dealer!



Your success - Our specialty

Visit our web site for UK: [www.newholland.com/uk](http://www.newholland.com/uk) - for ROI: [www.newholland.com/ie](http://www.newholland.com/ie)

The data indicated in this folder are approximate. The models described here can be subjected to modifications without any notice by the manufacturer. The drawings and photos may refer to equipment that is either optional or intended for other countries. Please apply to our Sales Network for any further information. Published by New Holland Brand Communications. Bts Adv. - Printed in Italy - 02/08 - TP01 - (Turin)



50020/INB

AT YOUR OWN DEALER

**ASK FOR A TEST DRIVE!**