

# NEW HOLLAND T8000

T8020 | T8030 | T8040 | T8050





# **SERIES T8000. ALL THE STYLE, PERFORMANCE AND INNOVATION YOU EXPECT FROM NEW HOLLAND.**

Powered by Tier III compliant engines, the four model T8000 range offers rated power outputs from 248 to 325hp(CV), with maximum power climbing from 281 to 358hp(CV) for the range topping T8050.

As always with New Holland tractors, there is a great deal more to these three great looking models than power output.

As standard, they are packed with operator friendly features and provide an excellent working environment.

In the spacious and comfortable cab, an easy to read IntelliView™ II monitor comes as standard which enables automated functions and tractor settings to be quickly and easily accessed. The full powershift transmission can be set to work in Auto Field or Auto Transport modes.

Auto Field mode can be linked to Headland Turn Sequencing (HTS) and Auto PTO functions, quickly and without fuss.

Ultra Command™ is specified with 19x4 speeds, the additional ratio allowing the tractor to run at 40kph at reduced engine speeds or achieve 50kph where market conditions allow.

Ultra Command™ can also be specified as a full powershift 23x6 creep speed transmission.

All four T8000 models are fitted with a powerful closed centre load sensing hydraulic pump that delivers 166lpm flow.

Up to five remote valves can be fitted, with rear lift capacities of 9126kg for the T8020 and T8030 and 10203kg for the T8040 and T8050. Every detail is paid attention to.

Typical New Holland.





### **Styled to perform**

New Holland styles all its tractors to enhance visibility in all directions. For night operations a 360 degree lighting system, with HID high intensity discharge work lamps is available. Whatever the specification, these great looking tractors are the modern approach to high power farming.

### **Unique to New Holland**

It is more than just modern styling and class leading ergonomics that sets New Holland T8000 tractors apart. All models can be specified with a choice of standard, Terraglide™ suspended or tight turning SuperSteer™ front axles. Sharing the same main components, the different axle offerings enable each T8000 to be specified to suit individual needs. With a turn radius of 4600mm, SuperSteer models turn tighter than any tractor in their power class.

### **Tractors to match your needs**

New Holland has unrivalled worldwide experience in the design of tractors that maximise power-to-ground efficiency. The Series T8000 driveline is unique in its class, featuring a cantilevered engine with direct drive into the transmission and PTO. More power reaches the wheels and powered implements for greater productivity. Series T8000. The operator's choice.



## PUTTING THE OPERATOR IN FULL COMMAND.

Series T8000 tractors are built around the operator. From the multilevel seat heating system through to the easy to read IntelliView™ II monitor, the design focus of these outstanding tractors is centred around comfort and ease of operation. Take a look at the new, easy to use hydraulic controls. Glance around the cab, see the view to the sides and rear. Fire up the six-cylinder engine and notice the even lower noise levels. Consider the large floor space and provision for a passenger seat. Do other tractor brands offer so much?



### Great ergonomics for easy operation

On Series T8000 tractors, the right hand armrest groups all frequently used controls together, where they are easy to identify and operate. The throttle, Ultra Command™ lever and remote valve paddles are all mounted in the same plain. The other major controls, including the PTO switch, linkage and draft controls, transmission control modes and traction management, are all grouped within a separate lower section of the same armrest. This logical layout is easy to learn and simple to use.





### Unmatched ride comfort

An extremely advanced air suspension seat is fitted to reduce fatigue. It offers full vibration protection for operators of every shape, weight and size. As an option, the Auto Comfort™ semi-active seat can be specified. This is fitted with a sensor that automatically anticipates and adjusts the amount of damping required to supply a smooth and comfortable ride, regardless of terrain. Heated seating is standard on Deluxe cab models.



### Easy to read information

All standard monitors and displays are mounted on the right A-pillar while the IntelliView™ II monitor is on the armrest. The operator does not need to look around for any information, all relevant data being displayed at eye level. The tractor performance monitor provides comprehensive information from area worked through to percentage of power used. The hydraulic flow rate to the remote valves is shown, the display also indicating when service attention is next required.



### See more, do more

For night operations, all models have no less than 12 work lights as standard. This provides the lighting power to maintain productivity at daytime levels. High Intensity Discharge work lamps can be specified. These produce an intense, white light that is similar to natural daylight. Offering a range of up to 107m, with a bulb life of 6000 hours, HID work lamps are the ideal choice for tractors working 24 hour shifts.

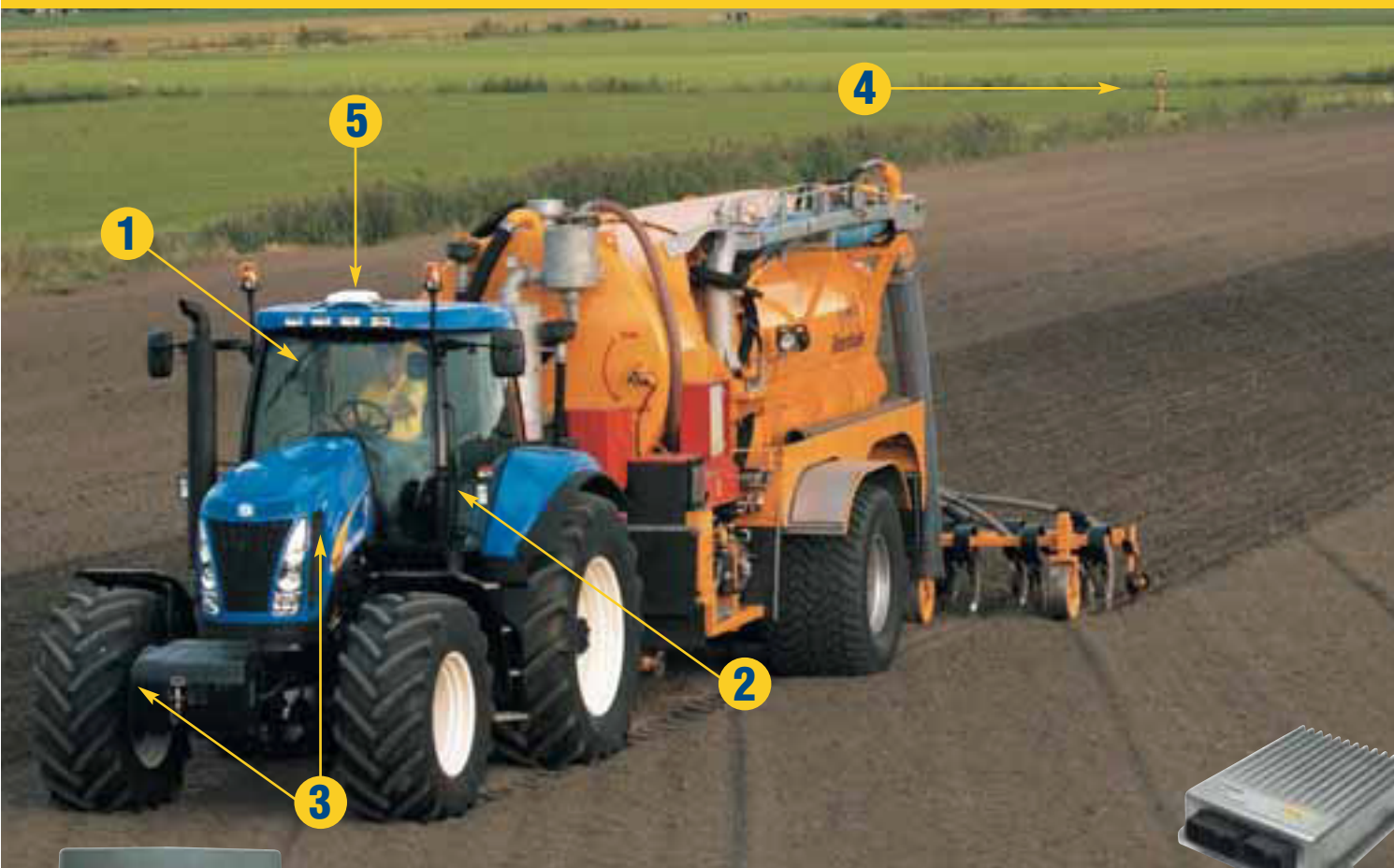
## EASY ACCESS TO AUTOMATED FEATURES.

New Holland has carried out extensive research into the use of automatic steering, automated transmission and headland management features. A key finding has been that operators will only use automated systems when they are easy to set up and adaptable to changing conditions. Series T8000 tractors have been developed with automated systems that meet operators expectations.

### IntelliSteer™ Automatic Steering System

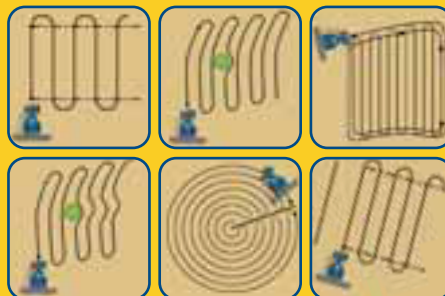
Series T8000 can be specified with a fully integrated New Holland designed and developed IntelliSteer™ Automatic Steering System. Using DGPS or RTK Technology and fully integrated control systems the IntelliSteer™ system helps ensure parallel pass to pass accuracy of up to 1 – 2cm\*. The IntelliSteer™ system is ideal for seeding and planting in the most demanding situations and dramatically improves operator performance and comfort. An additional benefit of using RTK correction with the IntelliSteer™ system is the guaranteed year to year repeatability, which is becoming more important with today's modern farming techniques. All this and more at the touch of a button.

\* Using RTK correction signal.



#### 1 IntelliView™ Plus II Monitor

The IntelliView™ Plus II Monitor enables the programming and personalising of settings for auto guidance, and provides the visual interface when operating the IntelliSteer™ System. The IntelliSteer™ System when linked to the IntelliView™ Plus II Monitor can perform a number of different patterns. These are:



#### 2 Navigation Controller II

The Navigation Controller II is the main control system which continually corrects for roll, pitch, and yaw by using state of the art 6-axis solid state inertial sensors to give you a true on-ground position.





### Headland Turn Sequencing (HTS)

Proven on existing New Holland tractor models, HTS enables the operator to pre-program headland functions that can include changing gear, lifting the linkage and switching off the PTO during a headland turn. The remote hydraulic valves can also be included. The system operates by 'recording' the controls used when an implement is both taken out and returned to work during a turn. These functions can be stored and recalled for different implements.

### 3 Integrated control systems

The New Holland IntelliSteer™ System uses built in steering angle sensors to keep the Navigation Controller II informed of wheel direction. Also integrated into the hydraulic system is a control valve which converts the signals from the Navigation Controller II into hydraulic movements of the steering system.



### Auto Field

To set up Auto Field, the operator initially selects the ideal application ratio between speeds 1 and 12. The desired engine speed is then set with the hand throttle. Auto Field is then selected via the Auto Shift button. In work, the transmission will now automatically shift up or down from the selected ratio according to throttle setting, engine speed and engine load.

### 4 RTK Base Station

An RTK base station can be used to broadcast a correction signal to achieve a pass to pass accuracy of 1-2cm.



### 5 NH 252 Receiver

The NH 252 receiver is capable of working with EGNOS, OmniSTAR or RTK correction. For RTK applications a slim profile radio mounts underneath the receiver.



### Auto Transport

When selected for road work, Auto Transport shifts automatically between speeds 13 to 18/19 according to engine load and throttle position. There is NO need to declutch or worry about selecting the right ratio when pulling out from a junction, the best ratio is selected automatically. When the tractor brakes are applied on steep declines, the transmission will select a lower ratio to enhance engine braking. Auto Transport is selected via the Auto Shift button.



### Programmable Headland Shift

A simple automated mode that allows the operator to pre-program headland gear selection. This reduces the number of tasks that need to be carried out during a turn, while retaining full manual control of the implement.

## PURE THOROUGHbred MUSCLE.



All models can be specified with an optional reversible fan, which comes as standard on the T8050. Developed to enable the engine, air conditioning and oil cooling radiators to be blown clean at predetermined times during work, the reversible fan benefits from “variable blade pitch” technology.

The amount of air drawn through the radiators is automatically adjusted according to temperature, so the power required by the fan is usually less than that normally used by a standard viscous coupled unit. The reversible fan is of particular benefit when operating front mounted equipment.





T8000 tractors offer enhanced power and torque development to suit high output applications.

All models feature Common Rail fuel injection systems with advanced engine management. This enables the power units to deliver the high torque rise demanded of a modern constant power engine; torque rise is measured between PTO rated speed at 1984rpm and maximum torque developed at just 1500rpm. The percentage rise is a massive 40% for the T8050. Check this with the competition and see the New Holland benefit. Of equal importance, all models are fitted with 682 litre fuel tanks. Long shifts between fills are easily achieved.



#### **Let the figures do the talking**

The rated power of T8000 tractors only tells part of the story. Rated power grows by up to 10% at PTO speeds. Torque rises by up to 47% at its maximum. These powerful tractors have in-built reserves to ensure productivity is not compromised in changing conditions.

#### **Common rail electronic fuel injection – offers maximum economy**

All models feature high pressure common rail fuel injection, already found on other models in the New Holland range.

This technology ensures optimum fuel use, high efficiency and the three pulse injections ensure the smoothest running imaginable. All engines meet the latest Tier III emissions standards.







## SMOOTH SHIFTING ULTRA COMMAND™ TRANSMISSION.

Ultra Command™ transmissions can be specified in 19x4 50kph\* and 23x6 creep speed versions. These versions are all based around the same transmission module and are available on all T8000 tractors. All Ultra Command™ feature the same easy to use controls, with a full powershift to ALL ratios. A key feature of T8000 tractors is the smooth way in which Ultra Command™ changes ratio. The operator benefits from greater comfort and reduced shock loads on the tractor and implements. This is of particular value when working under full load. Ultra Command™ is available in Auto Transport and Auto Field modes or 'manually' via the main control lever. There are no complex set-up procedures needed for the Auto modes, with ease of operation remaining fundamental to New Holland design. Smooth, simple to operate and proven, New Holland Ultra Command™ makes getting the optimum performance from a Series T8000 tractor even easier.

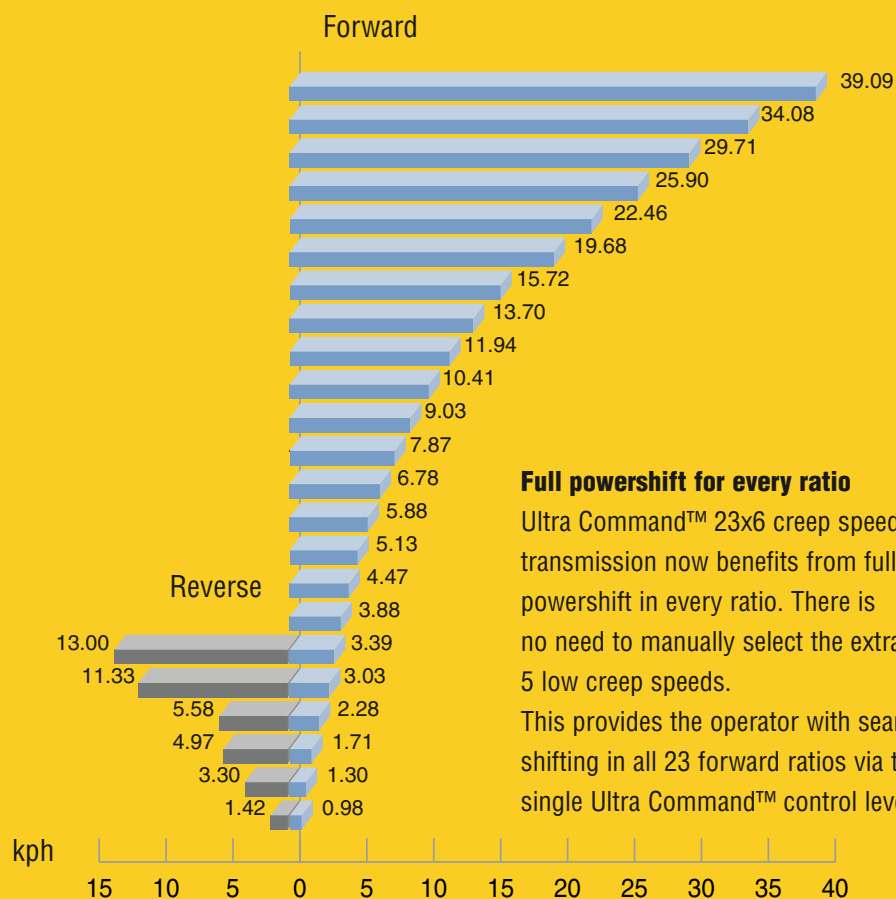
\*Market restrictions apply.

### Fast transport, economical transport

Series T8000 tractors with the 19x4 Ultra Command™ transmission are capable of running at 50kph, where market conditions allow, or operating at 40kph at a reduced engine speed. All T8000 models capable of 50kph are fitted with Terraglide™ suspended front axles. Where the 19x4 transmission is restricted to 40kph, standard and SuperSteer™ axles can also be specified.







### Full powershift for every ratio

Ultra Command™ 23x6 creep speed transmission now benefits from full powershift in every ratio. There is no need to manually select the extra 5 low creep speeds.

This provides the operator with seamless shifting in all 23 forward ratios via the single Ultra Command™ control lever.

### One lever, three buttons and that is it

New Holland has developed the Ultra Command™ transmission so it is genuinely easy to use. In 'manual' powershift mode, the operator has access to all forward ratios via simple up and down shift buttons. A modulated Powershuttle, engaged by simply pulling the lever back through neutral, makes changing direction quick, safe and simple. Typical New Holland.

### The right speed for the job

Ultra Command™ transmissions offer an excellent speed overlap between ratios. In changing conditions, these transmissions can be easily switched to a higher or lower ratio to maintain performance. This can be done manually or automatically when Auto Field mode is selected.

## CHOICE. WITH SERIES T8000 YOU DECIDE.

Series T8000 tractors can be specified with a choice of Standard, Terraglide™ or SuperSteer™ front axles. All share the same main axle components, with a positive locking front differential. All are designed for strength and durability. The rear axles are also advanced in their design. They can accommodate tyres up to 800mm wide within a 3.0m track width.



### **Terraglide™ to match high speed potential**

New Holland Terraglide™ front axle suspension is available on all Series T8000 tractors. It offers a class leading 112mm of travel and will help maximise tractor stability and control at transport speeds. The system also improves comfort and traction, particularly in secondary cultivation and higher speed top work applications. Damping is controlled via an advanced accumulator and regenerative valve system for a controlled and smooth ride.



### **New generation SuperSteer™ axle - when a tight turn means a tight turn!**

A unique new generation SuperSteer™ front axle is available on all Series T8000 tractors. Offering a massive 65 degree turn angle, SuperSteer™ axles deliver optimum manoeuvrability. No other tractor in this class can match the headland turn times of a T8000 equipped with a new generation SuperSteer™ axle. Where tight turns boost work rates, these are the tractors to choose.





### **The power to stop safely**

To meet the demand for higher transport speeds, the rear brakes of T8000 tractors benefit from high friction area, oil immersed brakes. Towed equipment braking can be specified to include combination air and hydraulic systems.

### **Terralock™ traction management**

Terralock™ can be set to automatically manage the engagement and release of 4WD and the front and rear differentials. As a turn is made, Terralock can release the differentials and disengage 4WD, re-engaging both as the tractor returns to work. Terralock works with both trailed and mounted equipment.



## **SERIES T8000 TRACTORS SUIT MODERN DEMANDS FOR VERSATILE PERFORMANCE.**

Series T8000 tractors are designed so that they can be used efficiently across a broad range of applications. This means they have a high rear lift capacity, powerful and advanced hydraulics and a PTO with the range of speed and shaft sizes to suit a wide variety of attachments.

New Holland has also developed a front linkage system to compliment the cantilever engine mounting system of the tractor. Compact and designed to fold out of the way when not in use, this front linkage can be specified with a weight pack to accept standard tractor front ballast. Hydraulic and PTO controls are fitted to both rear fenders.





### Hydraulic power on demand

Series T8000 tractors are fitted with an advanced closed centre load sensing hydraulic pump, which only operates when there is a demand for oil and will deliver up to a maximum of 166lpm at rated speed. Up to five remote valves with timers and flow control are available.

### PTO with Auto Control

The PTO system has an extremely efficient transmission path to minimise power loss from the engine and delivers its rated speed at a fuel conserving 1984rpm. All T8000 models are fitted with Auto PTO Control. This system can be set to automatically operate with the lift linkage, cutting and re-engaging power to the PTO as an implement is raised and lowered during a headland turn. The system works independently of the headland turning system ensuring programming is simplified wherever possible.



### More than massive lift

Rear linkage lift capacity on T8000 tractors is a generous 9126kg on the T8020 and T8030, climbing to 10203kg on the T8040 and T8050. To your needs, the linkage can be specified with a hydraulic top-link, hydraulic right hand lift link adjustment and automatic stabilisers.

### Bespoke front linkage

Uniquely developed for T8000 tractors, the front linkage system can be retrofitted as a Dealer Installed Accessory. Offering 6370kg lift capacity, the linkage arms can fold vertically when not in use.

# WITH NEW HOLLAND TOP SERVICE, NEW HOLLAND AND YOUR DEALER ARE ALWAYS AT YOUR SIDE.

**Top availability.** Managed in partnership with New Holland dealers and New Holland Parts and Service teams, New Holland Top Service provides you with total support and up to date information, and is available to you 24/7 through the free phone\* number **0800 64 111 111**.

You can call the free phone\* number at any time to seek advice on items such as the New Holland dealer network, requests for brochures, product specifications, product problems, and any other issues.

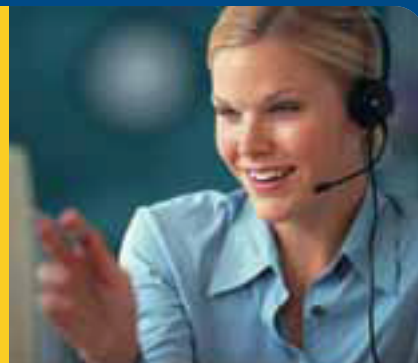
**Top satisfaction.** The New Holland Top Service team will track and chase every query to a satisfactory conclusion. Queries will only be closed after a final call to ensure you are fully satisfied with the solution. Feedback from these calls will be used in regular reviews to improve the process continuously.

**Top speed.** For product issues the New Holland Top Service team will work with your dealer and the New Holland Parts and Service organisations to quickly source any parts required and resolve any technical issue. To ensure parts reach you when you need them, New Holland dealers have the support of well established ordering and delivery systems, and can rely on a 24/7 service from our Parts Depots. To ensure a sustained high level of parts service, advanced product training sessions are regularly organised for dealer staff.

**Top priority.** During the harvest season, New Holland understands that any loss of productivity can be very expensive. For this reason extra support is available for top of the range, high productivity equipment in warranty. The New Holland Top Service Manager can draw parts from any facility within the New Holland Parts and Manufacturing networks, including assembly lines, to guarantee a fast resolution. Using our priority logistics service, parts will be delivered rapidly to get your machine back to work as quickly as possible.

**New Holland Top Service is designed to give you  
peace of mind and keep your business productive.**

\* 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.



**TOP SERVICE**  
**00800 64 111 111**



## BEYOND THE PRODUCT.

### **Qualified Dealer Technicians give you the most professional technical support**

A dealer technician certification programme helps ensure customers get the professional technical support they expect every time. To support this programme New Holland has created an online tool to train and develop the knowledge and skills of all technicians at New Holland dealerships. This online tool enables the technicians to build on the training received during workshops at New Holland's Training Centres and constantly update and develop their knowledge.



### **Service Plus – Long lasting confidence**

Service Plus coverage from Covéa Fleet provides owners of New Holland agricultural machinery with additional cover on the expiry of the manufacturer's contractual warranty. Please ask your dealer for more details. Subject to status and availability.

Terms and conditions apply.



### **We understand your business, we tailor your finance to your needs**

CNH Capital, the financial services company of New Holland, has thorough knowledge of the agricultural industry. Every customer is unique, with specific equipment and financial needs. That's why we extend customer service to include tailor-made financial packages. New Holland Dealers and CNH Capital specialists work together to offer you the most advanced agricultural equipment coupled with a flexible and innovative financing solution. With CNH Capital, you have the peace of mind that comes from dealing with a financing company that specialises in agriculture.



### **DIA**



### **Dealer Installed Accessories**

New Holland is a global brand, but recognises that different local conditions mean varying needs. A comprehensive range of approved accessories to optimise machine performance in all conditions can be supplied and fitted by your dealer.

Models	T8020	T8030	T8040	T8050
<b>New Holland Engine developed by CNH Engine Corporation</b>	4 Valves per cylinder / Common Rail electronic injection			
No. of cylinders / aspiration / emission level	6 / turbocharged, air to air intercooled / Tier III			
Capacity (cm³)	8300	8300	8300	9000
Rated engine power ISO TR14396 - 2000/25/EC [kW/hp(CV)]	182/248	201/273	227/308	239/325
Rated engine speed (rpm)	2200	2200	2200	2200
Maximum engine power ISO TR14396 - 2000/25/EC [kW/hp(CV)]	207/281	226/307	251/342	263/358
Max. torque ISO TR14396 at 1500rpm (Nm)	1162	1285	1367	1450
Torque rise (%)	47	47	39	40
Approved Biodiesel blend	B100*	B100*	B100*	B100*
Fuel tank capacity (l)	682	682	682	682
Reversible fan	○	○	○	●
<b>Ultra Command™ transmission</b>				
Transmission type	Full powershift with integrated electronic forward / reverse shuttle			
19x4 Ultra Command™ (50kph) *	●	●	●	●
23x6 Ultra Command™ (40kph)	○	○	○	○
<b>Axles</b>				
4WD front axles	●	●	●	●
Terraglide™ suspended front axle	○	○	○	○
SuperSteer™ front axle	○	○	○	○
<b>Hydraulics</b>				
Type	Closed centre load sensing variable displacement pump			
Main pump flow (lpm)	166	166	166	166
Pump pressure (bar)	224	224	224	224
Electronic draft control	EDC	EDC	EDC	EDC
<b>Remote valves</b>				
Type	Deluxe	Deluxe	Deluxe	Deluxe
Max. number	5	5	5	5
<b>Linkage</b>				
Maximum lift capacity at ball ends with arms horizontal (kg)	9126	9126	10203	10203
Continuous lift capacity through the range (610mm behind bar ends) (kg)	6706	6706	7416	7416
Front hitch max. lift capacity Standard / SuperSteer™ front axle (kg)	6370 / 6460	6370 / 6460	6370 / 6460	6370 / 6460
<b>PTO</b>				
Engine speed at:				
540rpm	○	○	○	○
1000rpm (rpm)	1984	1984	1984	1984
PTO activation	electro-hydraulic	electro-hydraulic	electro-hydraulic	electro-hydraulic
<b>Cab</b>				
Air conditioning	●	●	●	●
Automatic climate control	●	●	●	●
AutoComfort™ seat	●	●	●	●
Headland Turn Sequencer, Terralock and Auto PTO	●	●	●	●
CAN-bus electronics	●	●	●	●
IntelliView™ II colour monitor	●	●	●	●
IntelliSteer™ auto guidance	○	○	○	○
IntelliView™ Plus II colour monitor	○	○	○	○
ISO-bus Compatible (ISO 11783)	○	○	○	○
Cab noise level OECD (dBA)	74	74	74	74
<b>Turn radius</b>				
Optimum turn radius Standard and Terraglide™ front axle (mm)	5000	5000	5000	5000
Optimum turn radius SuperSteer™ front axle (mm)	4600	4600	4600	4600
Front wheel turn angle Standard and Terraglide™ front axle (°)	55	55	55	55
Front wheel turn angle SuperSteer™ front axle (°)	65	65	65	65



Models		T8020	T8030	T8040	T8050
<b>Dimensions on standard tyres</b>					
<b>A</b> Overall length inc. weight pack and rear linkage (All axle types) (mm)		5829	5829	5829	5829
<b>B</b> Minimum width (mm)		2490	2490	2490	2490
<b>C</b> Overall height (mm)		3331	3331	3331	3331
<b>D</b> Wheelbase:					
Standard and Terraglide™ suspended front axle (mm)		3078	3078	3078	3078
SuperSteer™ front axle (mm)		3284	3284	3284	3284
<b>E</b> Track width:					
Front min. / max. (mm)		1550 - 2270	1550 - 2270	1550 - 2270	1550 - 2270
Rear min. / max. (mm)		1520 - 2340	1520 - 2340	1520 - 2340	1520 - 2340
<b>F</b> Ground clearance (mm)		372	372	372	372
<b>Weights**</b>					
Min. unballasted weight (kg)		8978	9259	9259	9259
Permissible total weight (kg)		14000	14000	14000	14000
<b>Standard Tyres**</b>					
Front		600/65 R28	600/65 R28	600/65 R28	600/65 R28
Rear		710/70 R42	710/70 R42	710/70 R42	710/70 R42
* Conditions Apply    **National restrictions apply ● Standard    ○ Optional at extra cost					



# NEW HOLLAND.

**A real specialist in your agricultural business.**



New Holland prefers **AMIRA** lubricants

AT YOUR OWN 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)



70016/INB

**ASK FOR A  
TEST DRIVE!**