

# T4 F/N/V

T4.80 | T4.90 | T4.100 | T4.110





# New T4 F/N/V. Cleaner, quieter and even more efficient.

New Holland, the acknowledged leader in speciality tractor design, has enhanced its new four-model T4 F/N/V series to offer more power and performance, advanced cab filtration, more powerful hydraulics and a new front linkage and PTO package. Following on from the benchmark speciality TN tractor series, the new T4 F/N/V models are precision made to the same modular build concept. This ensures each model can be tailored to meet exacting specialist needs affordably and with proven dependability.

## Powerful, compact, economical

Choose rated power outputs of 75, 86, 99 and a massive 107hp. All models have clean and efficient four-cylinder 3.4 litre engines compliant with Tier 4A emission standards. Fuel tank capacity is up to 99 litres, service intervals of 600 hours.

## Specialist versatility

Available with a standard or proven SuperSteer™ front axle with automatic 4WD, the T4 F/N/V series is purpose built for safe operation in difficult terrain and can be specified to work between rows of just 1,061mm.

## Ultimate cab filtration

Developed to provide the operator with best in class protection, the award winning New Holland Blue Cab™ 4 meets EN 15695-2:2009 filtration and EN 15695-1:2009 pressurisation standards. In-cab sound levels are now just 78dB(A).

## Meet high hydraulic demand

A new premium hydraulic option features a dedicated 82 litre per minute pump and includes three electronically controlled rear remotes with load sensing as standard. New compact mid-mount outlets are available on all models.

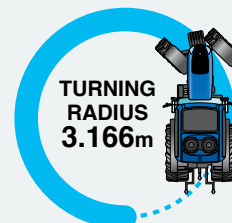
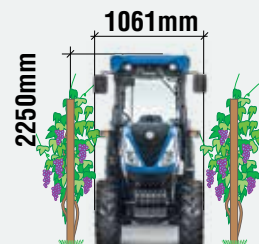
## Added style

The engine hood on new T4 F/N/V tractors features new lights and larger vents to improve cooling. To accommodate a 6.5cm lower transmission tunnel in the cab, the hood is slightly raised, its curved style ensuring no compromise in visibility.

T4V



Model	Rated hp	Weight kg
T4.80V	75	2710
T4.90V	86	2710
T4.100V	99	2790
T4.110V	107	2790



Standard axle wheelbase (mm)

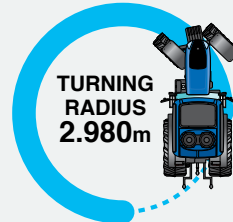
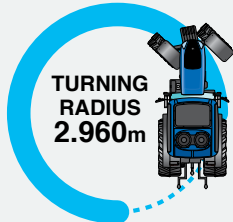
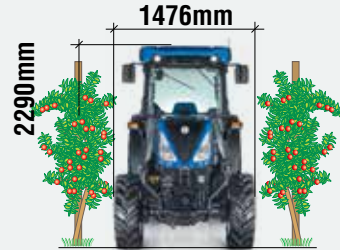
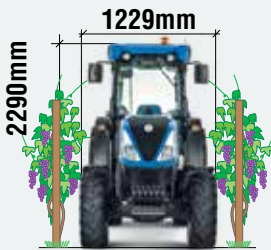
T4N

T4F



Model	Rated hp	Weight kg
T4.80N	75	2762
T4.90N	86	2762
T4.100N	99	2852
T4.110N	107	2852

Model	Rated hp	Weight kg
T4.80F	75	2910
T4.90F	86	2910
T4.100F	99	3000
T4.110F	107	3000



Standard / SuperSteer™ axle wheelbase (mm)

SuperSteer™ axle wheelbase (mm)



## Four cylinder power – with ESM.

The new T4.80, T4.90, T4.100 and T4.110 are powered by the 3.4 litre four-cylinder, FPT Industrial F5C engine purpose developed for tractor operation. Maximum torque is generated at just 1,500rpm, peaking at 444Nm for the T4.110. This model produces a maximum power of 107hp at 2,300rpm. This is the highest output ever offered by New Holland in a speciality tractor. All models benefit from excellent power delivery, with constant max power delivered between engine speeds of 1,900 and 2,300rpm.

The entire T4 F/N/V range is Tier 4A emissions compliant, using an external Cooled Exhaust Gas Recirculation (CEGR) system, and a Diesel Oxidation Catalyst (DOC). This approach ensures there are no bulky after treatment systems to get in the way and ensures maximum versatility when using specialist side mounted implements. This all adds up to outstanding efficiency. What you've come to expect from the Clean Energy Leader.

To further optimise performance and productivity, Engine Speed Management, ESM, is fitted to precisely fuel the engine to meet prevailing loads and maintain a constant speed. This is ideal for duties to include spraying. The operator can program ESM to 'remember' two engine speeds. This allows the operator to select separate speeds for work and turns at the end of a row. ESM can be easily varied by the operator in work, without complex settings.

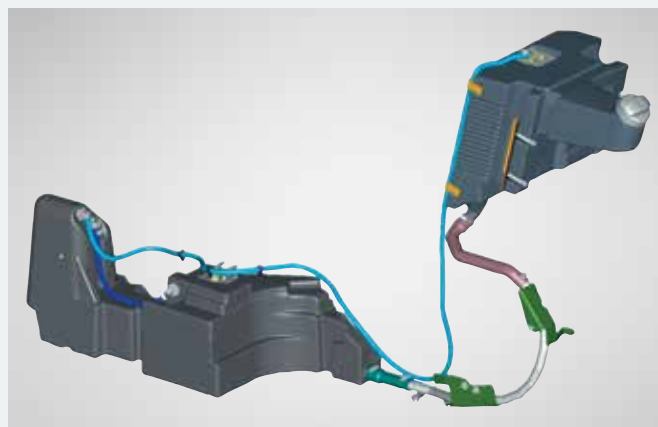


*Sustainable Efficient Technology*



### Smooth and economical

- All models are powered by a four-cylinder 3.4 litre FPT Industrial F5C engine
- Exceptionally smooth running, the engine offers improved torque delivery and efficiency over the previous generation
- T4 F models benefit from a large 99 litre fuel capacity, a 20 litre increase on previous models and Best In Class



### Easy care with no DPF

- Maintenance demands on the T4 F/N/V series are straightforward, with 600 hour service intervals
- No diesel particulate (DPF) filter is fitted, the emission system requiring no maintenance attention



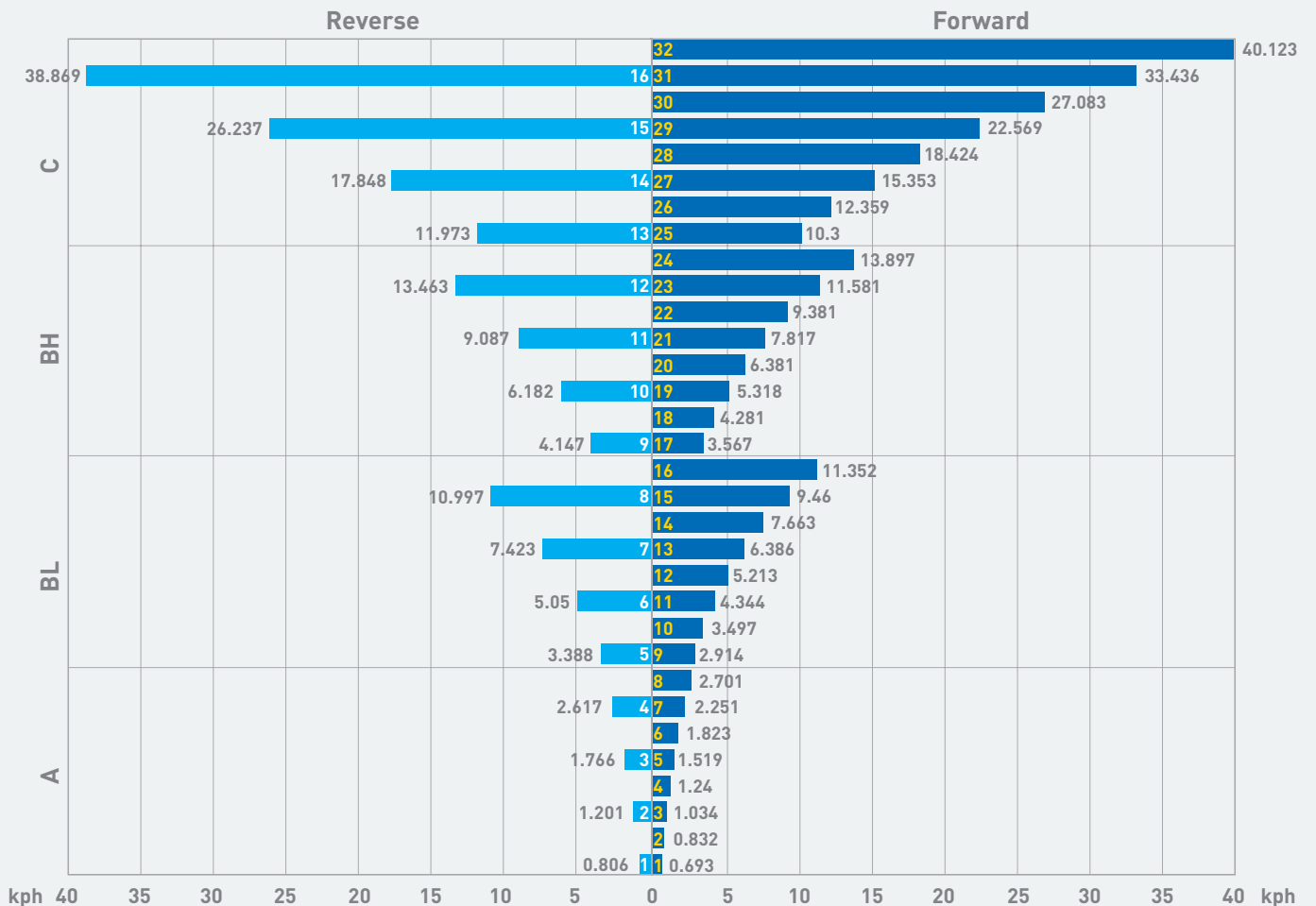
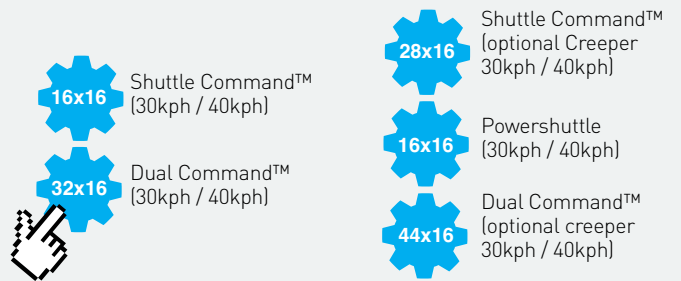
### Compact after treatment system

- New Holland and FPT Industrial have developed the emission control system on the F5C engine in T4 F/N/V tractors to be extremely compact
- DOC and external CEGR systems combine for Tier 4A compliance
- No filter regeneration or replacement is required
- Lower muffler temperatures
- Mid and side-mounted equipment use is not compromised as there is no bulky emission control equipment to get in the way



# A wide choice of efficient transmissions.

Thanks to the modular build of the new T4 F/N/V tractors, the transmissions can be easily matched to end user needs. Advanced features include powershuttle, power clutch, park lock and creep speed options. To cope with the extra power of the new T4.110, a heavier duty clutch and stronger rear PTO driveline components are used.



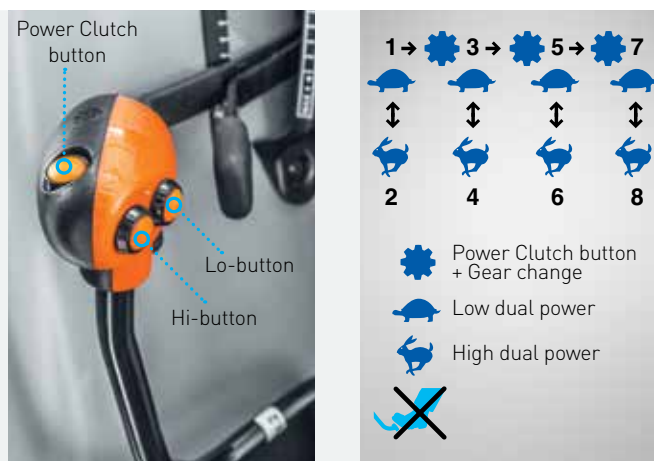
## Dual Command™ offers so much more

The 32x16 Dual Command™ transmission with powershuttle offers the same number of ratios as Split Command, but allows a high low push button ratio 'split' to be made under full load and without using the clutch. A 44x16 Dual Command transmission is available to meet specialist requirements.



### Power Clutch

- Dual Command transmissions are available with a Power Clutch option
- Operators push a button on the main shift lever to operate the clutch
- Changes on the move are made faster, smoother and more comfortable



### Park Lock system

- Park Lock system is optional on Dual-Command models
- The transmission is mechanically locked from a lever inside the cab
- Additional safety is ensured when parking on slopes



### Shuttle Command™ and Split Command™ transmissions

- Entry level 16x16 Shuttle Command can be specified with a 28x16 creep speed option with a min. working speed of 0.2kph
- A mechanical shuttle is fitted requiring the foot clutch between direction changes

### Creep speed option

- Creep speeds as low as 160 metres/hour are available for precision applications
- Creep speed option does not compromise top speed, with 40kph transport speed available in the same transmission



### Powershuttle speed direction change

- The Powershuttle is ideal where fast direction changes are priority
- The operator can simply use the electro-hydraulic column mounted shuttle lever to change direction
- From neutral, the shuttle lever can be used to smoothly feed power to the transmission without using the clutch



# Small in size, big in comfort.

## Designed around the operator

Operator comfort is a key New Holland priority. State of the art virtual simulation technology is employed to achieve the most ergonomic layout of the cab controls. The right hand console groups all main hydraulic levers together for ease of operation. Noise and vibration levels are tightly controlled, with light steering and class leading visibility over the stylish new engine hood all contributing to reduced operator fatigue.



## Blue Cab™ 4 filtration

On the new T4 range, there is now a Blue Cab™ 4 option with enhanced filtration against dust, aerosols and vapours. Compliant with EN 15695-2:2009 for filtration and EN 15695-1:2009 for pressurisation, a Blue Cab™ 4 offers category 4 protection levels. When this level of protection is not required, the double filtration system can be switched to offer Level 2 control. The filters are designed to have an extended working life.



## Exclusive features

- New Holland provides the full cab filtration offering for specialty applications: Braud harvesters and specialty tractors
- Innovative double filtration system: two filters in the same roof system (category 2 and 4) switch from category 2 to 4 with a simple switch
- Use category 4 only when spraying – longer filter life & lower maintenance costs
- Guaranteed operator safety







### Ergonomic excellence

- The optional multi function electronic joystick controls four outlets
- Switches on the console dictate which mid-mounted valves are to be used
- The hydraulic motor operates through two additional outlets and is activated by a switch on the console

\* pictured layout option for V & N



### New instrument display

The new instrument cluster features a large DOT matrix display and also lists information related to the new Engine Speed Management feature.



### High comfort seat

- Fitted with a deep cushion seat pan and wide backrest, the seat in T4 F/N/V tractors adjusts to suit all sizes
- A deluxe air suspension seat is standard on cabbed tractors



### Compact but comfortable

- On new T4 F/N/V models, in-cab noise levels are just 78dB(A)
- The transmission tunnel on both platform and cab models has been lowered by 6.5cm
- The steering column now tilts and is also telescopic



### Folding ROPS

ROPS models have a forward folding frame to clear over-hanging crops or access low buildings.

# Compact and special but with large tractor features.

Specialist tractors are sometimes compromised when it comes to hydraulic and PTO performance, but not with New Holland. The new T4 F/N/V series can now be specified with a Premium Hydraulic system with a powerful 82 litres per minute pump. As with all New Holland tractors, there is a separate pump for the power steering system, ensuring the pump capacity you order delivers that flow rate you need.

Two hydraulic remotes can be set up with a 100% free-flow return to drive hydraulic motors, with a choice of mid- and front-outlets to suit most needs. The front linkage system is also new, and can now deliver a lift capacity of up to 1,970kg on all models.

Where specified, the front PTO is directly driven from the engine via a hydraulic clutch. Fitted with soft start, the front PTO can deliver full engine power, enabling a new T4 F/N/V model to power larger and more demanding front mounted attachments.

## Advanced electronic draft control for optimum performance

- EDC allows the operator to precisely set up and control implement working depths, lift height and lowering speeds
- Other features include a finger tip controlled fast raise and lower rocker switch



## Lift-O-Matic™ Plus system: speed and precision

- The award winning mechanical hydraulic control system allows you to activate the linkage while maintaining position and draft settings
- When operating the lever, if released, the implement immediately stops at the height corresponding to the actual implement position
- A gentle push or pull of the lever allows for minor adjustments



## Versatile linkage with high capacity

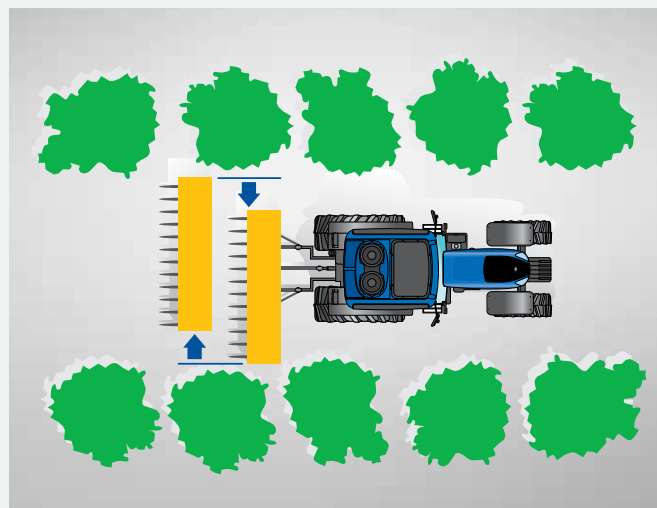
- The rear linkage is adjustable to match Cat I or Cat II implements
- All T4 F/N/V models offer high lift capacities, up to 2600kg on the T4F models
- Quick-attach couplings are standard as are remote linkage controls





### Hydraulic linkage options

- Optional hydraulic stabilisers enable an attachment to be offset to either side of the tractor for specific row work
- The stabilisers can be set in a fixed or float position by the push of a button
- A hydraulic levelling ram can also be specified for the right lower link arm
- Both systems have a dedicated hydraulic supply



### Remotes to power specialist attachments

- A total of three electro-hydraulic remotes allow a maximum of eight outlets to be controlled via push button flow dividers
- The 3 remotes are load sensing allowing simultaneous operation: max valve flow of 45l/min with flow control of 20-45l/min
- The LCD display provides the operating details of each remote valve. Individual valves are selected and adjusted using the knob



### New heavy duty front linkage and PTO package

- Compatible with all new T4 F/N/V tractor models, the new heavy duty, folding front linkage has a lift capacity of up to 1,970kg, an increase of 101%
- Compatible with both standard and SuperSteer™ front axles, the front linkage is available with or without the direct engine driven front PTO
- Direct drive front PTO design ensures up to 93hp is transferred to the front implement
- CAT I/II quick attach couplings are standard
- Link arms can easily be folded to reduce overall length



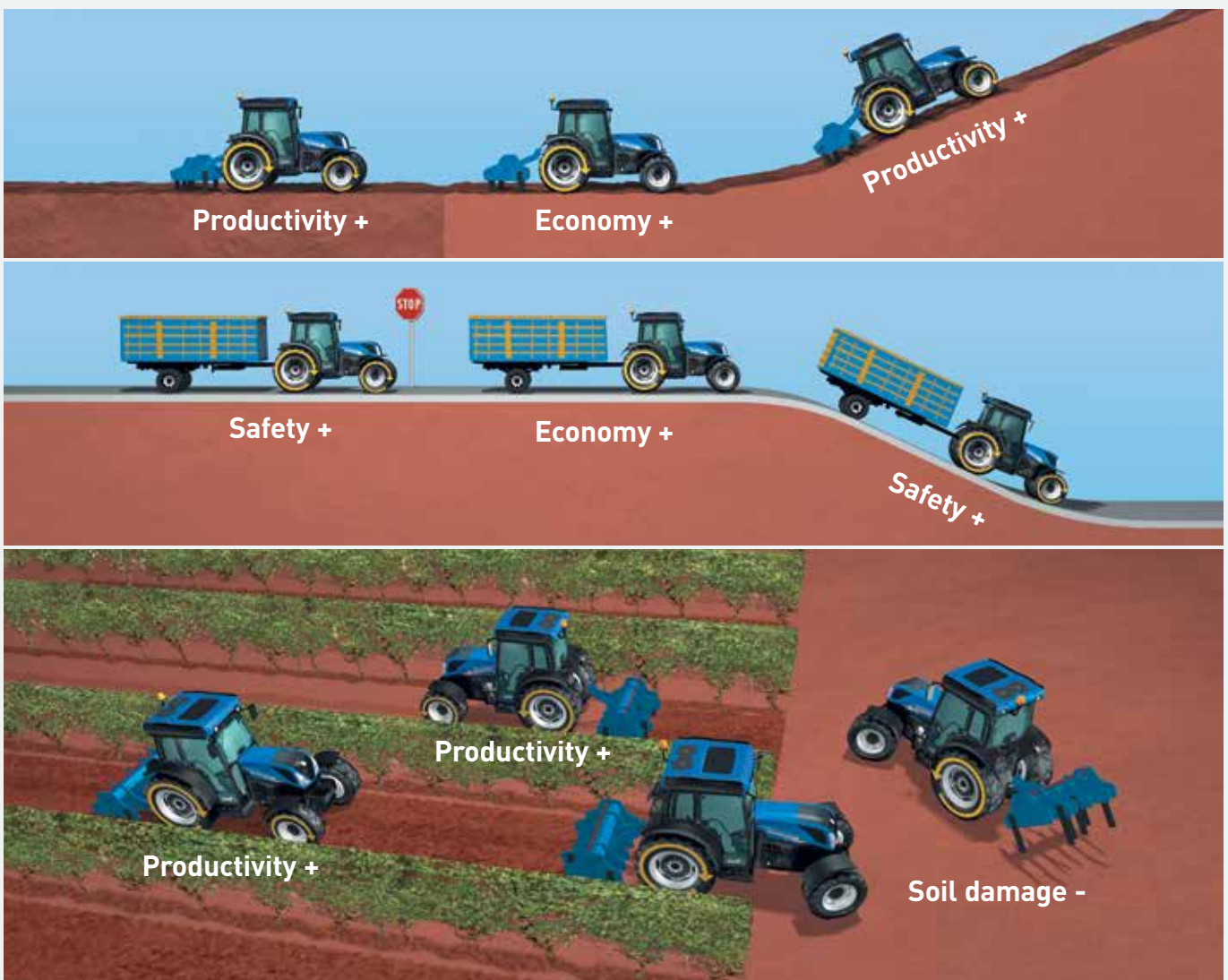
# Unique New Holland features for productivity and safety.

The legendary SuperSteer™ front axle with Auto 4WD management and dedicated front hitch are unique to New Holland. Offering an effective steering angle of 76°, a tractor with a SuperSteer™ front axle can offer a turn radius as low as 2.9m for truly outstanding agility. The way in which the axle moves as the steering lock is increased helps to reduce front wheel scrub.

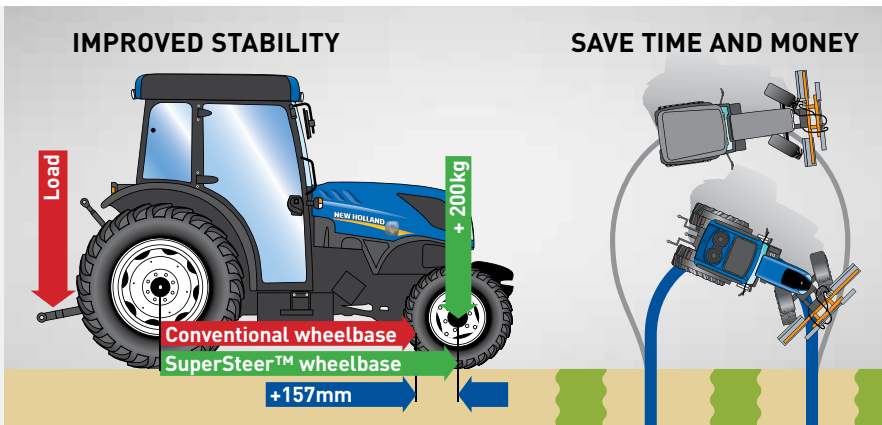
## Advanced Traction Management

- The acclaimed and proven New Holland automatic 4WD system is now available on all T4 F/N/V models
- The system engages drive to the front wheels if rear wheel slip exceeds 5%\* and on slopes of 10 deg plus\*
- For stability and safety, 4WD is also engaged when both brake pedal are pressed
- The front and rear differentials are engaged and released by a dash mounted switch

\* Only T4F/N models







### SuperSteer™ offers so much more

With SuperSteer™ you get so much more than just a tight, clean turn:

- Front mounted equipment turns into work sooner
- The increased wheelbase transfers more weight to the front of the tractor
- This decreases the need for front ballast when working with heavy rear mounted implements

### The right front axle for your needs

- All T4 V & N tractors can be specified with a choice of 2WD or 4WD front axles
- All T4 N & F tractors are now available with a 4WD SuperSteer™ front axle option
- The turn radius of the 2WD drive T4 N & V tractors is as low as 2.8m
- The 2WD specification is available on both ROPS and cab models



Models	T4.80			T4.90			T4.100			T4.110		
	V	N	F	V	N	F	V	N	F	V	N	F
<b>New Holland Engine*</b>	F5C			F5C			F5C			F5C		
No. of cylinders / Capacity / Valves / Emissions Level	4 / 3400 / 2 / Tier 4A/Stage 3B			4 / 3400 / 2 / Tier 4A/Stage 3B			4 / 3400 / 2 / Tier 4A/Stage 3B			4 / 3400 / 2 / Tier 4A/Stage 3B		
Aspiration	Smart Wastegate turbo			Smart Wastegate turbo			Smart Wastegate turbo			Smart Wastegate turbo		
Intercooler	●			●			●			●		
Approved biodiesel Blend	B20**			B20**			B20**			B20**		
Rated Engine Power ISO TR14396 - ECE R120 [kW/hp(CV)]	55/75			63/86			73/99			79/107		
Rated Engine Speed [rpm]	2300			2300			2300			2300		
Max. Torque ISO TR14396 [Nm]	309@1500rpm			351@1500rpm			407@1500rpm			444@1500rpm		
Torque reserve [%]	36			34			34			35		
Horizontal Exhaust	●			●			●			●		
Vertical exhaust (Cab only)	○			○			○			○		
External CEGR & Diesel Oxidation Catalyst (DOC)	●			●			●			●		
Cooling method	Liquid			Liquid			Liquid			Liquid		
Optimum fuel Consumption [g/kWh]	211			211			211			211		
Fuel tank capacity [L]	68	73	99	68	73	99	68	73	99	68	73	99
Service Interval [hrs]	600			600			600			600		
<b>Transmission</b>												
Electro hydraulic diff. lock	●			●			●			●		
Mechanical diff. lock	-	-	○	-	-	○	-	-	○	-	-	○
Suspended pedals	●			●			●			●		
Oil immersed braking system	●			●			●			●		
<b>16x16 Shuttle Command™ (30kph / 40kph)</b>	●			●			●			●		
Minimum speed (Without Creeper) [km/h]	0.7			0.7			0.7			0.7		
<b>28x16 Shuttle Command™ [Optional Creeper (30kph / 40kph)]</b>	○			○			○			○		
Minimum speed (With Creeper) [km/h]	0.17			0.17			0.17			0.17		
<b>16x16 Powershuttle (30kph / 40kph)</b>	○			○			○			○		
Minimum speed (Without Creeper) [km/h]	0.7			0.7			0.7			0.7		
<b>32x16 Dual Command™ (30kph / 40kph) and parking lock</b>	○			○			○			○		
Minimum speed (Without Creeper) [km/h]	0.7			0.7			0.7			0.7		
<b>44x16 Dual Command™ [Opt. Creeper (30kph / 40kph)]</b>	○			○			○			○		
Minimum speed (With Creeper) [km/h]	0.17			0.17			0.17			0.17		
Power Clutch (Dual Command™ transmission only)	○			○			○			○		
<b>Front axle</b>												
2WD front axles	○	○	-	○	○	-	○	○	-	○	○	-
4WD front axles	●	○	-	●	○	-	●	○	-	●	○	-
SuperSteer™ 4WD front axle	-	●	●	-	●	●	-	●	●	-	●	●
Auto 4WD Standard / SuperSteer	○ / -	○ / ●	- / ●	○ / -	○ / ●	- / ●	○ / -	○ / ●	- / ●	○ / -	○ / ●	- / ●
Steering angle 2WD front axle [°]	57	65	-	57	65	-	57	65	-	57	65	-
Steering angle 4WD front axle [°]	55	55	-	55	55	-	55	55	-	55	55	-
Steering angle SuperSteer front axle [°]	-	71	76	-	71	76	-	71	76	-	71	76
Turn radius 2WD front axle [mm]	3230	3230	-	3230	3230	-	3230	3230	-	3230	3230	-
Turn radius 4WD front axle [mm]	3166	3495	-	3166	3495	-	3166	3495	-	3166	3495	-
Turn radius SuperSteer front axle [mm]	-	2960	2980	-	2960	2980	-	3050	2980	-	3050	2980
Dynamic fenders	-	○	○	-	○	○	-	○	○	-	○	○
Electro hydraulic diff. lock	●			●			●			●		
Independent steering pump (35.6Lpm MegaFlow pump)	●			●			●			●		
Front braking system	○			○			○			○		
Axle oscillation [°]	8			8			8			8		
<b>Hydraulic system</b>												
Standard pump flow [Lpm]	64			64			64			64		
Optional MegaFlow™ pump flow [Lpm]	82			82			82			82		
Mechanical draft control (MDC)	●			●			●			●		
Lower link draft sensing	●			●			●			●		
Lift-O-Matic™ system on ROPS and Lift-O-Matic™ Plus system on CAB	●			●			●			●		
Electronic draft control (EDC)	○			○			○			○		
Cont. lift capacity through the range (610mm behind the ball bar ends) [kg]	1835			1835			1835			1835		
Max. lift capacity at ball ends with arms horizontal [kg]	2600			2600			2600			2600		
Rear Linkage category	I & II			I & II			I & II			I & II		
Rear fender mounted Linkage controls (EDC only)	○			○			○			○		
Width adjustable link ends	○			○			○			○		
Hydraulically adjustable right hand lift rod adjustment and sway restriction	○			○			○			○		
Max. no. remote outlets (Rear/Mid)	8/4+2			8/4+2			8/4+2			8/4+2		
Flow control	○			○			○			○		
Electrohydraulic mid mount valve with proportional joystick (only cab)	○			○			○			○		
SuperSteer™ front lift & PTO	-	○	○	-	○	○	-	○	○	-	○	○
Max. front linkage lift capacity at ball ends [kg]	1970			1970			1970			1970		



Models	T4.80			T4.90			T4.100			T4.110		
	V	N	F	V	N	F	V	N	F	V	N	F
<b>PTO</b>												
Servo-assisted engagement		●			●			●			●	
Ground speed		○			○			○			○	
540		●			●			●			●	
540 / 540E		○			○			○			○	
540 / 540E / 1000		○			○			○			○	
<b>Operator environment</b>												
Cab noise level - 77/311 EEC (dB(A))		78			78			78			78	
Rubber isolation blocks		●			●			●			●	
Lateral levers		●			●			●			●	
Suspended platform (with mid mounted foldable ROPS)		●			●			●			●	
Electronic instrumentation		●			●			●			●	
Cab category level - EN 15695		1			1			1			1	
Air conditioning		○			○			○			○	
Blue Cab category level - EN 15695 standard / optional		2 / 4			2 / 4			2 / 4			2 / 4	
<b>Dimensions &amp; Weights</b>												
A Wheelbase 2WD (mm)	2180	2180	-	2180	2180	-	2180	2180	-	2180	2180	-
A Wheelbase 4WD (mm)	2180	2180	-	2180	2180	-	2180	2180	-	2180	2180	-
A Wheelbase SuperSteer™ 4WD front axle (mm)	-	2435	2435	-	2435	2435	-	2435	2435	-	2435	2435
B Overall length 4WD (mm)	3936	3936	3936	3936	3936	3936	3936	3936	3936	3936	3936	3936
C Minimum overall width***** (mm)	1061	1229	1380	1061	1229	1380	1061	1229	1380	1061	1229	1380
D Minimum height to rear ROPS (mm)	1350	1350	1350	1350	1350	1350	1350	1350	1350	1350	1350	1350
D Height to top of cab (minimum)*** (mm)	2250	2290	2290	2250	2290	2290	2250	2290	2290	2250	2290	2290
E Height at centre rear axle to top of cab (mm)	1775	1775	1775	1775	1775	1775	1775	1775	1775	1775	1775	1775
F Ground clearance (maximum)***** (mm)	290	320	320	290	320	320	290	320	320	290	320	320
G Front wheel track setting 2WD (mm)	878/978	1016/1116	-	878/978	1016/1116	-	878/978	1016/1116	-	878/978	1016/1116	-
G Front wheel track setting 4WD (mm)	879/985	1075/1251	1062/1492	879/985	1075/1251	1062/1492	879/985	1075/1251	1190/1492	879/985	1075/1251	1190/1492
G Rear wheel track setting 4WD (mm)	861/1261	1003/1273	1130/1530	861/1261	1003/1273	1130/1530	861/1261	1003/1273	1130/1530	861/1261	1003/1273	1130/1530
T4V Weights**** 2WD/4WD (kg)	2459/2710	-	-	2459/2710	-	-	2531/2790	-	-	2531/2790	-	-
T4N Weights**** 2WD/4WD (kg)	-	2546/2762	-	-	2546/2762	-	-	2618/2852	-	-	2618/2852	-
T4F Weights**** 4WD (kg)	-	-	2910	-	-	2910	-	-	3000	-	-	3000
Max. permissible weight (kg)	4500	4500	4800	4500	4500	4800	4500	4500	4800	4500	4500	4800

● Standard ○ Optional - Not available

\* Developed by FPT Industrial \*\* Conditions apply \*\*\* Rear Tyres Minimum height T4F/NV 380/70R20 \*\*\*\* With driver (85kg) and full fuel tank \*\*\*\*\* Minimum width with Rear Tyre T4V-280/85R28; T4N-320/85R24; T4F-320/85R28  
 \*\*\*\*\* Rear Tyre Maximum height T4F 420/70R30 - T4N 420/70R28 - T4V 340/85R28



# New Holland Top Service: customer support and customer information.



## Top Availability

If you need information, or have an out of hours question, ring our toll-free number\*. All day, every day, we are just a call away.

## 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!



**For more details, ask your New Holland dealer!**

\* 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.

## Service Plus – because your peace of mind is priceless

Service Plus programme provides owners of New Holland agricultural machinery with repair services covering your machinery over the Manufacturer's contractual Warranty. Maximum control over operating costs, repairs completed by authorized NH Dealers using NH genuine parts, higher re-sale value of your machine, transferable coverage. You can choose from three levels of coverage:



### Silver Cover - Powertrain

- The number of years of the cover: two, three, four or five years
- The number of hours of use (or number of bales for balers)
- Many other options to tailor the programme and meet your expectations

Please refer to your Dealer how to take out a Service Plus contract for your machinery

### Gold Cover - Extended

### Platinum Cover - Full Repair

AT YOUR OWN DEALER

R.P. Motors Pty. Ltd.

500 Duncans Road,  
Werribee South Victoria 3030



[www.newholland.com/uk](http://www.newholland.com/uk) - [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 - 03/19 - (Turin) - 160011/INB