

# TD4F

TD4.80F | TD4.90F | TD4.100F









# Added style and power.

Established as offering the perfect balance between performance, versatility and ease of use, the affordable New Holland TD4F tractor models are now even better. New Holland, the acknowledged leader in speciality tractor design, has enhanced its new three-model TD4F series to offer more power and performance. Spanning 75 to 99 hp, the latest series has a new styling.

## Tailored versatility

Rugged and easy to operate, TD4F tractors are now offered with new Hydraulic Powershuttle to offer even greater versatility. Smooth direction changes are a reality when using front or rear mounted implements or working in confined areas. No one offers versatility better than New Holland.

## Power and productivity

New engine 3,4 liters new after treatment system regeneration free. Power up to 99 hp. Powered by exceptionally efficient four-cylinder F5C, Stage 3B compliant engines, as used in the T4F/N/V tractor series, New Holland TD4F tractors are built to perform. Torque reserves as high as 36% are matched to rear lift capacities of up to 3000 kg and hydraulic flow of 64 L/min with the MegaFlow™ option. Up to six remote valves can be specified, 4 on the rear and 2 mid mounted.

## Economical to operate

New Holland TD4F tractors have a long 600 hour engine service interval. Combined with low fuel consumption and a large 80 litre fuel tank, TD4F tractors mean you spend more time working.

## Dependability

Offering proven dependability, the TD4F Synchro Shuttle is easy to use with a wide choice of ratios. Operators can select the ideal speed for the job for guaranteed performance and high productivity. Creep speeds are available.



Model	Rated hp	Wheelbase mm	Weight kg
TD4.80F	75	2063	2820
TD4.90F	85	2063	2820
TD4.100F	99	2063	2820

## Part of a proven family

Just take a look at the design heritage of TD4F tractors. From the renowned Fiat 86 series through to the well-established dependability of the modern New Holland TD5 range, no other tractor comes from such a proven background.

# Powerful, compact, economical.

Choose rated power outputs of 75, 85 and a massive 99 hp. All models have clean and efficient four-cylinder 3.4 litre engines compliant with Stage 3B. Fuel tank capacity is up to 80 litres. TD4F models are powered by the same engine family used in the award winning T4F/N/V tractors series.

## Reducing the environmental impact

- The TD4F is Tier 4A / Stage 3B emissions compliant, using an external Cooled Exhaust Gas Recirculation (CEGR) system and a Diesel Oxidation Catalyst (DOC)
- No bulky after treatment systems to get in the way and maximum versatility when using specialist side-mounted implements
- Outstanding efficiency and **NO REGENERATION**



*Sustainable Efficient Technology*





## Powered by FPT Industrial

New Holland are not going it alone when it comes to engine technology, they can draw on the experience of their in-house engine development group: FPT Industrial.

**Pioneers:** Fiat invented Common Rail technology in the 1980s and brought it to the masses in 1997 on the Alfa Romeo 156. They were the very first to introduce it on agricultural machines on the TS-A tractor. Pioneering. Always.

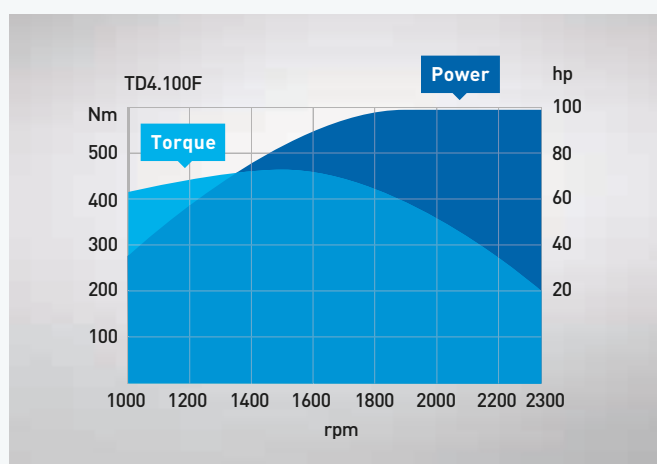
**Cleaner:** for the sixth consecutive year, CNH Industrial has topped the Dow Jones Sustainability World and Europe Indexes for the Industrial Engineering sector. Cleaner. Everywhere.

**Proven:** FPT Industrial have already produced over 345,000 F5C engines since the launch in 2007. Reliability. Confirmed.



## High and constant power

- The new TD4.80F, TD4.90F and TD4.100F are powered by the 3.4 litre four-cylinder, FPT Industrial F5C engine purpose developed for tractor operation
- Maximum torque is generated at just 1500 rpm, peaking at a 407 Nm for the TD4.100F
- Common Rail injection allows to increase Transient Response and to have a new Constant Power Curve – from 1900 up to 2300 rpm – with full Engine Power already available from 1900 rpm
- No need to change gear, even when rpms are going down

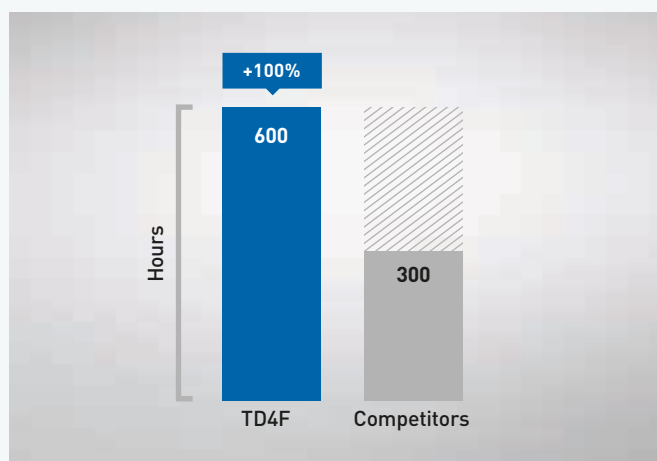


## The capacity to keep you working

- Ease of maintenance by design
- Large 80 litre fuel tank and highly efficient engines to reduce refuel frequency
- 600 hour service intervals

## Modern fuels

- All TD4F series engines have been engineered to run on 7% Biodiesel
- Contact your dealer for more information



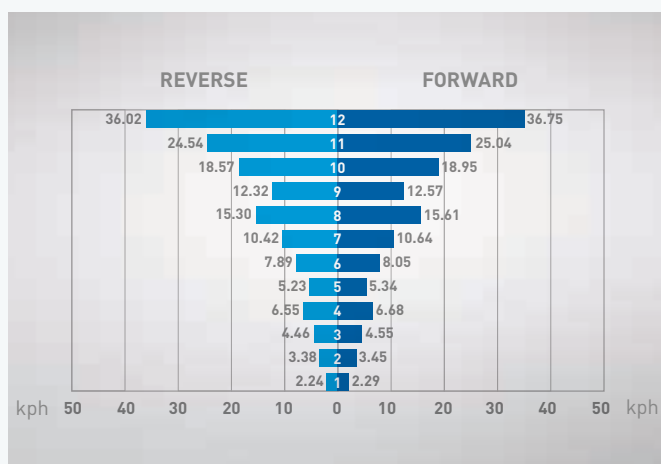
## Smooth four-cylinder power

- The four-cylinder power units of all TD4F models operate with minimum vibration and deliver smooth power at all operating speeds
- These advanced engines have a low 2300 rpm rated speed to further reduce noise and vibration



# Proven technology. Simple control.

The established 20x12 creep speed transmission is offered in mechanical Synchro Shuttle configuration alongside a standard 12x12 version. Offering working speeds as low as 0.3 km/h, these versatile transmissions offer rugged and dependable simplicity.



## Hydraulic Powershuttle

New Holland offers on TD4F tractors its proven hydraulic Powershuttle transmission that delivers a smooth and modulated shift between forward and reverse. As with the proven mechanical Synchro Shuttle, forward and reverse speeds are matched to optimize productivity.



## Ergonomic Powershuttle lever

The Powershuttle lever is easy to reach and can be operated with no need to operate the clutch pedal.



## Powerful brakes

The entirely redesigned braking system offers greater operator comfort with less pedal travel and improved responsiveness, to give much more positive braking performance and operator safety, especially on slopes where fast activation is crucial.

# Even greater comfort.

New Holland continues to invest in the design and development of its operator platforms. The latest TD4F tractors not only look modern but also benefit from a revised control layout for even greater comfort. The foot throttle is repositioned, the brake pedals have been rearranged, the hydraulic levers are easier to reach and the servo PTO lever is now positioned to make it even easier to use. You ask. We listen.



## Great ergonomics boost your productivity

Detail changes to the layout of a tractor operating platform can have a big impact upon productivity. By adjusting the position of the foot throttle and angle of the brake pedals, working a TD4F in transport is even more comfortable. Newly positioned under the steering wheel, the servo PTO can be operated faster and without having to stretch. The hydraulic levers mounted on the top of the fenders can be seen and operated more easily.

# Hydraulics to match today's demands.

All TD4F models have separate power steering and hydraulic pumps. This ensures full hydraulic power is always readily available. For demanding applications, a 64 L/min high capacity MegaFlow™ pump can be specified. Up to four rear valves plus two mid-mount valves, with a joystick control, are also an option.



## Easy hydraulic control

- Exclusive Lift-O-Matic™ rear linkage control allows implements to be raised and lowered to pre-set positions using a single control
- Quick-attach link arms make the fitting and removal of attachments fast and effortless



## Hydraulic coupling made easy

- Higher positioned hydraulic outlets can be easily seen and reached from the operator platform
- Greater space between the outlets allows easier coupling of even bulky hydraulic hoses





# A perfect blend of features, ease of operation and value.

Engaged via a servo-assisted control conveniently located under the steering wheel, the rear PTO on TD4F tractors have a direct drive PTO system. This reduces power losses and the number of parts liable to wear within the transmission. Operated by a simple hand lever, the PTO clutch allows the operator to feed power to a driven implement gradually. This reduces wear and tear. Three speeds, 540, 540E and Ground Speed, are available. Ground Speed can be used in applications that include powering the rear axle on trailers. This is ideal in difficult conditions or on extreme terrain.



## Push button traction control

- Electro-hydraulic controls manage both 4WD and rear differential lock engagement
- Easy maximization of traction in adverse conditions
- The operator can quickly release the rear differential when making a turn
- Switch between maximum traction and brilliant manoeuvrability at the touch of a button



## Front linkage ready

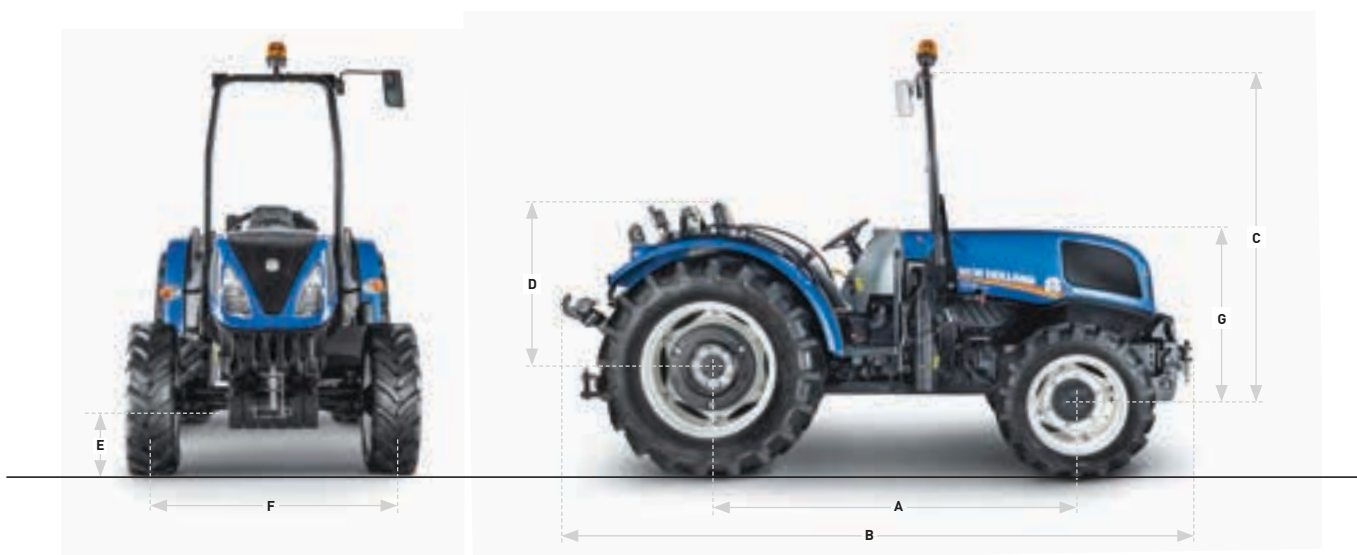
- All TD4F models can be specified with a front linkage and PTO specifically developed to manage specialist front mounted attachments
- Full integration of the linkage system into the tractor controls

Models		TD4.80F	TD4.90F	TD4.100F
New Holland Engine*		F5C	F5C	F5C
No. of cylinders / capacity / valves / emissions level Tier-Stage		4 / 3400 / 2 / 4A-3B	4 / 3400 / 2 / 4A-3B	4 / 3400 / 2 / 4A-3B
Aspiration		Smart Wastegate turbo	Smart Wastegate turbo	Smart Wastegate turbo
Intercooler		●	●	●
Approved Biodiesel blend		B07**	B07**	B07**
Rated engine power ISO TR14396 - ECE R120	[kW/hp(CV)]	55/75	63/85	73/99
Rated engine speed	[rpm]	2300	2300	2300
Max. torque ISO TR14396	[Nm@rpm]	309@1500	351@1500	407@1500
Torque reserve	(%)	36	34	34
Cooling method		Liquid	Liquid	Liquid
Air filter system with dust ejector		●	●	●
Fuel tank capacity	[L]	80	80	80
Service interval	[hrs]	600	600	600
Transmission				
<b>12x12 Powershuttle transmission (40kph)</b>		●	●	●
Minimum speed (40kph)	[kph]	2.29***	2.29***	2.29***
<b>12x12 Synchro Shuttle™ transmission (40kph)</b>		●	●	●
Minimum speed (40kph)	[kph]	2.29***	2.29***	2.29***
<b>20x12 Synchro Shuttle™ transm. [opt. creeper (40kph)]</b>		○	○	○
Minimum speed with creeper (40kph)	[kph]	0.3***	0.3***	0.3***
Front Axle				
4WD front axles		●	●	●
Steering angle	[°]	45	45	45
Axle oscillation	[°]	up to 10	up to 10	up to 10
Min. turn radius	[mm]	3800	3800	3800
Electro hydraulic diff. lock & 4WD engagement		●	●	●
Hydraulic system				
Standard pump flow	[Lpm]	45	45	45
Optional MegaFlow™ pump flow	[Lpm]	64	64	64
Mechanical draft control		●	●	●
Lower link draft sensing		●	●	●
Lift-O-Matic™ system		●	●	●
Continuous lift capacity through the range (610mm behind the ball bar ends)	[kg]	1780	1780	1780
Max. lift capacity at ball ends with arms horizontal	[kg]	3000	3000	3000
Rear linkage category		I & II	I & II	I & II
Max. no. rear remotes		4 [1 with flow control]	4 [1 with flow control]	4 [1 with flow control]
Max. no. mid mount remotes		2	2	2
Joystick control		○	○	○
Front linkage		○	○	○
Max. front linkage lift capacity at ball ends	[kg]	1275	1275	1275



Models		TD4.80F	TD4.90F	TD4.100F
<b>PTO</b>				
Mechanical PTO engagement		●	●	●
Hydraulically actuated PTO (Servo PTO)		●	●	●
540/groundspeed		●	●	●
540 / 540E		○	○	○
540/540E/groundspeed		○	○	○
Front PTO (1000rpm)		○	○	○
<b>Operator environment</b>				
Suspended platform (with ROPS)		●	●	●
Comfort suspension seat		●	●	●
Lateral levers		●	●	●
<b>Weights</b>				
Min. weights	(kg)	2820	2820	2820
Max. permissible weight	(kg)	4300	4300	4300

● Standard ○ Optional – Not available \* Developed by FPT Industrial \*\* Conditions Apply \*\*\* with 380/70R28 tires (RI:625)



Models		TD4.80F	TD4.90F	TD4.100F
<b>Dimensions</b>				
With rear tyre size****		360/70R24	380/70R24	380/70R28
<b>A</b> - Wheelbase	(mm)	2063	2063	2063
<b>B</b> - Overall length*****	(mm)	4029	4029	4029
<b>C</b> - Height to top of mid ROPS from center axle	(mm)	1985	1985	1985
<b>D</b> - Height to top of rear ROPS from center axle	(mm)	945	945	945
<b>E</b> - Front axle height (with 280/70R16 tyres)	(mm)	358	358	358
<b>F</b> - Front wheel track setting (Min. / Max.)	(mm)	1225 / 1487	1225 / 1487	1225 / 1487
<b>F</b> - Rear wheel track setting (Min. / Max.)	(mm)	1148 / 1659	1148 / 1659	1148 / 1659
<b>G</b> - Height to top hood from center axle	(mm)	790	790	790

\*\*\*\* Rear Tyres other than those mentioned are available [360/70R20, 360/70R24, 380/70R24, 380/70R28] \*\*\*\*\* Including front ballast and hitch

# 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:



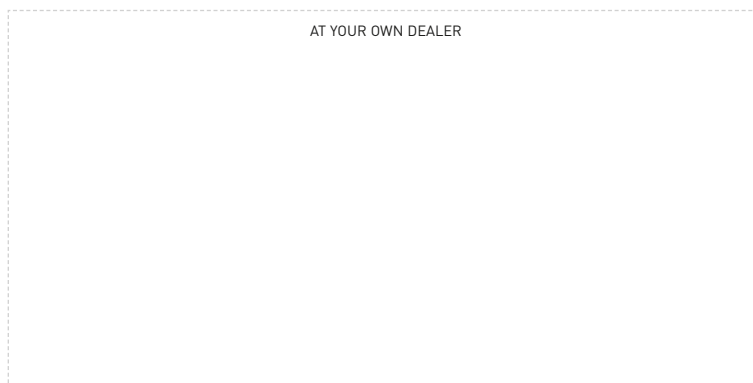
### Silver Cover - Powertrain

- 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



[www.newholland.com](http://www.newholland.com)



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 - 05/17 - (Turin) - 170006/COM