

# T8 RANGE

T8.320 | T8.350 | T8.380 | T8.410 | T8.435



# Making everything possible and even more.

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## More power and productivity

T8 tractors are among the most powerful conventional tractors in the world. The new, range topping T8.435 model, together with the entire line-up is equipped with a state of the art Cursor 9 power plant. All models benefit from Engine Power Management which offers more power in demanding hydraulic, PTO and transport applications; up to a full 71hp(CV) of EPM is available on the T8.350. The entire range is available either guidance ready or guidance complete to further increase your productivity and profitability.

## Absolute driving pleasure

New Holland's SideWinder™ II armrest makes the T8 range intuitive to operate for reduced fatigue. All key functions are immediately recognizable and are perfectly placed for fingertip control. The 67dB(A) whisper quiet cab is the most spacious in its segment and offers uninterrupted 360° visibility. Comfort Ride™ cab suspension ensures the smoothest ride even on the roughest terrain.

## Maximum versatility

The long wheel base guarantees outstanding stability on the road and in the field, when combined with exceptional manoeuvrability the T8 is perfectly at home in both traditional, heavy draft applications, as well as performing high speed transport and secondary cultivation tasks. Choose between the Ultra Command, the most powerful full-powershift in the business, or the Auto Command™ transmission for unsurpassed CVT operation. The fully integrated front linkage and PTO mean that a full range of front mounted implements can be fitted and powered.

## Lower operating cost

The renowned GroundSpeed Management feature makes the Ultra Command the most economical full-powershift on the market. The Auto Command™ transmission will further reduce operating costs by ensuring the highest levels of engine and transmission efficiency. Throw in long service intervals and a reduced carbon footprint, and owning the T8 has never been kinder on the pocket.



## SPECIFICATIONS

| Models  |  | T8.320              | T8.350              | T8.380              | T8.410              | T8.435              |
|---|--|---------------------|---------------------|---------------------|---------------------|---------------------|
| <b>Engine*</b>  |  | <b>FPT Cursor 9</b> | <b>FPT Cursor 9</b> | <b>FPT Cursor 9</b> | <b>FPT Cursor 9</b> | <b>FPT Cursor 9</b> |
| No. of cylinders / Aspiration / Valves  |  | 6 / WT / 4          | 6 / WT / 4          | 6 / WT / 4          | 6 / eVGT / 4        | 6 / eVGT / 4        |
| Compliant with engine emissions regulations   |  | Tier 2 / 4b         | Tier 2 / 4b         | Tier 2 / 4b         | Tier 2 / 4b         | Tier 2 / 4b         |
| Fuel system - High pressure Common Rail   |  | I                   | I                   | I                   | I                   | I                   |
| Capacity (cm <sup>3</sup> )   |  | 8700                | 8700                | 8700                | 8700                | 8700                |
| Bore and Stroke (mm)  |  | 117x135             | 117x135             | 117x135             | 117x135             | 117x135             |
| Approved biodiesel blend**  |  | B7                  | B7                  | B7                  | B7                  | B7                  |
| Max. EPM horsepower - ISO TR14396 - ECE R120 [kW/hp(CV)]                                      |  | 235/320             | 258/351             | 281/381             | 301/409             | 311/423             |
| Max. horsepower - ISO TR14396 - ECE R120 [kW/hp(CV)]  |  | 209/284             | 232/315             | 255/347             | 275/374             | 307/417             |
| Rated EPM horsepower - ISO TR14396 - ECE R120 [kW/hp(CV)]                                     |  | 210/286             | 232/315             | 255/347             | 276/375             | 296/402             |
| Rated horsepower - ISO TR14396 - ECE R120 [kW/hp(CV)]   |  | 184/250             | 206/280             | 229/311             | 250/340             | 279/380             |
| Rated engine speed (rpm)  |  | 2000                | 2000                | 2000                | 2000                | 2000                |
| Max. torque - ISO TR14396 @ 1300 - 1400rpm (Nm)   |  | 1407                | 1558                | 1708                | 1800                | 1850                |
| Torque rise Standard / EPM (%)  |  | 40 / 40             | 40 / 41             | 40 / 40             | 40 / 37             | 36 / 29             |
| Viscous coupled cooling fan   |  | I                   | I                   | I                   | I                   | I                   |
| Earth friendly engine oil filter  |  | I                   | I                   | I                   | I                   | I                   |
| Exhaust brake   |  | O                   | O                   | O                   | O                   | O                   |
| Diesel capacity Auto Command (Litres)   |  | 609                 | 609                 | 609                 | 609                 | 609                 |
| Diesel capacity Ultra Command (Litres)  |  | 647                 | 647                 | 647                 | 647                 | -                   |
| Diesel capacity T8 SmartTrax™ (Litres)  |  | -                   | -                   | 670                 | 670                 | 670                 |
| Service interval (hours)  |  | 600                 | 600                 | 600                 | 600                 | 600                 |
| <b>Ultra Command™ full-powershift transmission</b>  |  |                     |                     |                     |                     |                     |
| IntelliShift™ system  |  | I                   | I                   | I                   | I                   | -                   |
| Ground Speed Management system (GSM)  |  | I                   | I                   | I                   | I                   | -                   |
| <b>18 x 4 Ultra Command™ full-powershift (40kph)</b>  |  |                     |                     |                     |                     |                     |
| Min. speed (kph)  |  | 3.35                | 3.34                | 3.34                | 3.51                | -                   |
| <b>19 x 4 Ultra Command™ full-powershift (40kph ECO or 50kph)</b>                             |  |                     |                     |                     |                     |                     |
| Min. speed (kph)  |  | 3.35                | 3.34                | 3.34                | 3.51                | -                   |
| <b>23 x 6 Ultra Command™ full-powershift (40kph with Creeper)</b>                             |  |                     |                     |                     |                     |                     |
| Min. speed (kph)  |  | 0.98                | 0.97                | 0.97                | 1.02                | -                   |
| <b>Auto Command™ Continuously Variable Transmission</b>                                       |  |                     |                     |                     |                     |                     |
| Active Stop/Start function  |  | I                   | I                   | I                   | I                   | I                   |
| Force base propulsion control   |  | I                   | I                   | I                   | I                   | I                   |
| <b>Auto Command™ Continuously Variable Transmission (40kph ECO)</b>                           |  |                     |                     |                     |                     |                     |
| Min. speed / Max. speed @ 1400rpm (kph)   |  | 0.03 / 40           | 0.03 / 40           | 0.03 / 40           | 0.03 / 40           | 0.03 / 40           |
| <b>Auto Command™ Continuously Variable Transmission (50kph)</b>                               |  |                     |                     |                     |                     |                     |
| Min. speed / Max. speed @ 1725rpm (kph)   |  | 0.03 / 50           | 0.03 / 50           | 0.03 / 50           | 0.03 / 50           | 0.03 / 50           |
| <b>Electrical</b>   |  |                     |                     |                     |                     |                     |
| 12 volt alternator (Amps)   |  | 200                 | 200                 | 200                 | 200                 | 200                 |
| Battery capacity (CCA)  |  | 1900                | 1900                | 1900                | 1900                | 1900                |
| <b>Axles</b>  |  |                     |                     |                     |                     |                     |
| SmartTrax™ rear tracks  |  | -                   | -                   | -                   | O                   | O                   |
| 4WD front axle  |  | I                   | I                   | I                   | I                   | I                   |
| Terraglide™ front axle suspension   |  | O                   | O                   | O                   | O                   | O                   |
| Steering angle Standard / Terraglide™ front axle (°)  |  | 55 / 55             | 55 / 55             | 55 / 55             | 55 / 55             | 55 / 55             |
| Turning radius with Standard / Terraglide™ front axle (mm)                                    |  | 4970 / 4970         | 4970 / 4970         | 4970 / 4970         | 4970 / 4970         | 4970 / 4970         |
| SmartTrax turning radius with Standard / Terraglide™ front axle (88 track width setting) (mm) |  | -                   | -                   | -                   | 6858                | 6858                |
| Terralock™ functions  |  | I                   | I                   | I                   | I                   | I                   |
| Dynamic front fenders   |  | O                   | O                   | O                   | O                   | O                   |
| Bar rear axle   |  | I                   | I                   | I                   | I                   | I                   |
| Heavy-duty bar rear axle  |  | -                   | -                   | -                   | O                   | I                   |
| <b>Hydraulics</b>   |  |                     |                     |                     |                     |                     |
| Closed Centre Load Sensing (CCLS)   |  | I                   | I                   | I                   | I                   | I                   |
| Standard/MegaFlow™ pump (flow available at couplers) Ultra Command™ (Lpm)                     |  | 157 / 279           | 157 / 279           | 157 / 279           | 157 / 279           | -                   |
| Standard/MegaFlow™ pump (flow available at couplers) Auto Command™ (Lpm)                      |  | 157 / 271           | 157 / 271           | 157 / 271           | 157 / 271           | 157 / 271           |
| Electronic Draft Control (EDC)  |  | I                   | I                   | I                   | I                   | I                   |
| <b>Remote valves</b>  |  |                     |                     |                     |                     |                     |
| Type  |  | Electro hydraulic   | Electro hydraulic   | Electro hydraulic   | Electro hydraulic   | Electro hydraulic   |
| Max. no. rear valves  |  | 6                   | 6                   | 6                   | 6                   | 6                   |
| Joystick control  |  | O                   | O                   | O                   | O                   | O                   |
| <b>Linkage</b>  |  |                     |                     |                     |                     |                     |
| Rear linkage category   |  | III / IIIN          | III / IIIN          | III / IIIN          | IVN / III           | IVN / III           |
| Max. lift capacity at ball ends (kg)  |  | 8843                | 8843                | 9705                | 10927               | 10927               |
| Front linkage category  |  | II                  | II                  | II                  | II                  | II                  |
| Front linkage lift capacity (610mm in front of ball ends) (kg)                                |  | 5810                | 5810                | 5810                | 5810                | 5810                |

I Standard O Optional - Not available

\* Developed by FPT Industrial

\*\* Biodiesel blend must fully comply with the latest fuel specification EN14214:2009 and operation is in accordance with operator manual guidelines

# SPECIFICATIONS

| Models   | T8.320 | T8.350 | T8.380          | T8.410          | T8.435          |
|--|--------|--------|-----------------|-----------------|-----------------|
| <b>PTO</b>   |        |        |                 |                 |                 |
| Auto Soft Start  |        |        |                 |                 |                 |
| Engine speed at: 540 / 1000rpm (rpm)                                   | 1804   | 1804   | 1804            | 1804            | 1804            |
| Auto PTO management  |        |        |                 |                 |                 |
| Front PTO (1000rpm)  | o      | o      | o               | o               | o               |
| <b>Brakes</b>  |        |        |                 |                 |                 |
| Exhaust brake  | o      | o      | o               | o               | o               |
| Electronic park brake  |        |        |                 |                 |                 |
| Hydraulic trailer brakes   | o      | o      | o               | o               | o               |
| Pneumatic trailer braking system                                       | o      | o      | o               | o               | o               |
| <b>Cab</b>   |        |        |                 |                 |                 |
| Cab with FOPS - OECD code 10 level 1                                   |        |        |                 |                 |                 |
| Cab category level - EN 15695  | 2      | 2      | 2               | 2               | 2               |
| High visibility RHS window   |        |        |                 |                 |                 |
| HID/LED lighting pack  | o      | o      | o               | o               | o               |
| Auto Comfort™ seat with seat belt                                      | o      | o      | o               | o               | o               |
| Auto Comfort™ leather seat with seat belt                              | o      | o      | o               | o               | o               |
| Instructors seat with seat belt  | o      | o      | o               | o               | o               |
| Luxury Pack (Leather steering wheel and carpet)                        | o      | o      | o               | o               | o               |
| SideWinder™ II armrest   |        |        |                 |                 |                 |
| CommandGrip™ handle  |        |        |                 |                 |                 |
| Electronic adjustment of SideWinder™ II armrest                        |        |        |                 |                 |                 |
| Air conditioning   |        |        |                 |                 |                 |
| Automatic climate control  |        |        |                 |                 |                 |
| Air recirculation filters  |        |        |                 |                 |                 |
| MP3 Radio  | o      | o      | o               | o               | o               |
| MP3 Bluetooth Radio (hands free phone calls)                           | o      | o      | o               | o               | o               |
| Electronic remotely adjustable mirrors with wide angle lens            |        |        |                 |                 |                 |
| Comfort Ride™ cab suspension   | o      | o      | o               | o               | o               |
| Headland Turn Sequencing (HTS)   |        |        |                 |                 |                 |
| Fender mounted external controls                                       |        |        |                 |                 |                 |
| A pillar Performance Monitor with enhanced key pad                     |        |        |                 |                 |                 |
| IntelliView™ IV colour monitor with ISO 11783 connector                |        |        |                 |                 |                 |
| IntelliSteer® guidance ready   | o      | o      | o               | o               | o               |
| PLM® Connect Telematics  | o      | o      | o               | o               | o               |
| Optimum cab noise level - 77/311 EEC [dB(A)]                           | 67     | 68     | 68              | 69              | 69              |
| Factory fit rotating beacons (1 / 2)                                   | o      | o      | o               | o               | o               |
| <b>Weights</b>   |        |        |                 |                 |                 |
| Minimum unballasted weights: Std. front axle/including SmartTrax™ (kg) | 10,715 | 10,840 | 10,840 / 16,300 | 10,915 / 16,300 | 12,514 / 16,300 |
| Terraglide™ suspended front axle / including SmartTrax (kg)            | 11,235 | 11,360 | 11,360 / 16,500 | 11,440 / 16,500 | 13,039 / 16,500 |
| Max. permissible weight at 50kph (Wheeled T8) (kg)                     | 17,500 | 17,500 | 17,500          | 18,000          | 18,000          |
| Max. permissible weight at 40kph (T8 SmartTrax) (kg)                   | -      | -      | 20,000          | 20,000          | 20,000          |

| Standard      o Optional      - Not available

## Dimensions

| With rear tyre / track size <sup>(A)</sup>            | 620/70R42   | 710/70R42   | 900/60R42 <sup>(B)</sup> | 40.6cm SmartTrax | 45.7cm SmartTrax | 61cm SmartTrax | 76.2cm SmartTrax |
|---|-------------|-------------|--------------------------|------------------|------------------|----------------|------------------|
| Overall length inc. weight pack and rear linkage (mm) | 6247        | 6247        | 6477                     | 6606             | 6606             | 6606           | 6606             |
| Min. width (mm)                                       | 2534        | 2534        | 2534                     | 2787             | 2787             | 2787           | 2997             |
| Height at centre of rear axle to top of cab (mm)      | 2475        | 2475        | 2475                     | 2472             | 2472             | 2472           | 2472             |
| Overall height (mm)                                   | 3338        | 3407        | 3435                     | 3450             | 3450             | 3450           | 3450             |
| Wheelbase Ultra Command / Auto Command (mm)           | 3450 / 3500 | 3450 / 3500 | 3550                     | 3550 / 3550      | 3550 / 3550      | 3550 / 3550    | 3550 / 3550      |
| Track width (min. / max.) (mm)                        | 1727 / 2235 | 1727 / 2235 | 1727 / 2237              | 1930 / 3860      | 1930 / 3860      | 1930 / 3860    | 2235 / 3860      |
| Ground clearance (dependson hitch or tow hook) (mm)   | 378         | 364         | 409                      | 441              | 441              | 441            | 441              |

<sup>(A)</sup> Rear tyres other than those mentioned are available: 650/85R38, 710/70R38, 800/70R38, 710/75R42, 900/60R38 <sup>(B)</sup> Ultra Command model only when fitted with Heavy-duty rear axle



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