



# T SERIES

155-235 HP



pH 6,7

P 21 mg/l

**VALTRA**

**YOUR WORKING MACHINE**

# WE WORK HARD TO MAKE HARD WORK EASY

At Valtra our main focus is to understand your needs and provide you with the best tractor experience. When you need more from your machine, the T Series is the ultimate precision tool with plenty of muscle. Perfect all-round visibility means that you have total control over your land from the comfort of your cab. And by letting technology work for you, you can rest assured knowing every aspect of your workday is handled down to a T.

Beauty, brains and brawn - the award-winning T Series is a winner on all fronts, combining the power of smart technology with the strength of a 6-cylinder engine. Step into the cab and the best tractor experience is all around you with perfect 365 day and night visibility and plenty of space. The convenient A-pillar display

puts information and control right where you need it. Valtra Smart technologies give you all-encompassing control over your work. The king on any terrain, the T Series gets going and moves smoothly while you reap the benefits. When you value power, precision and profit, the T Series is your working machine.



## YOUR WORKING MACHINE

The T Series is made for you, with built-in comfort and perfected ergonomics. It delivers power when you need it and gives you full control in farming and contracting, complete with customisation options.



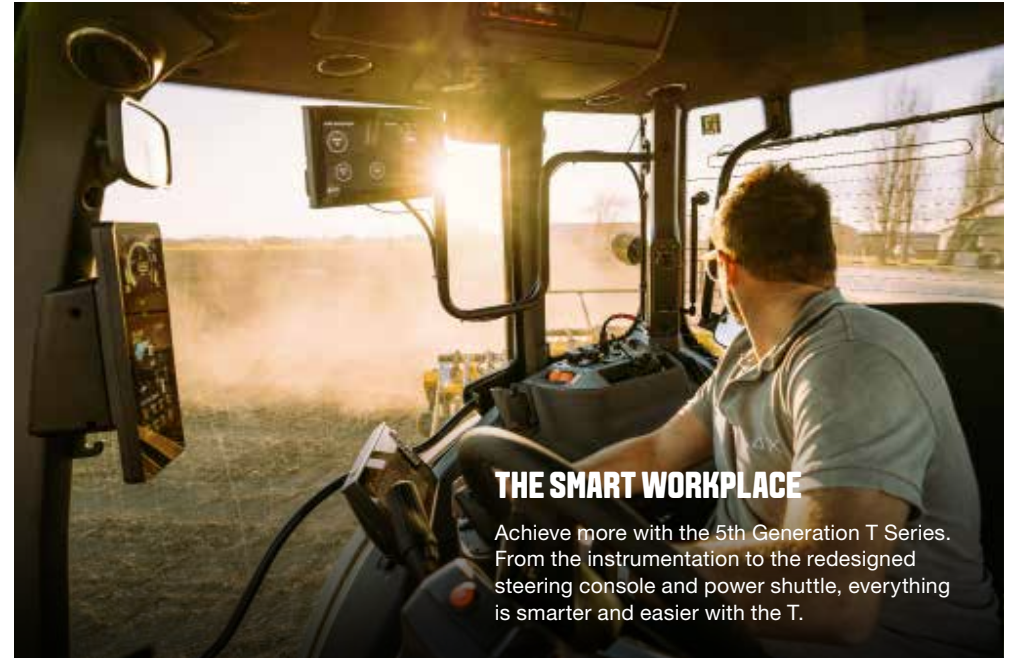
## POWER AND EFFICIENCY

Robust AGCO Power engine gives you the right amount of power to get the job done with outstanding fuel economy, all while meeting the latest emission regulations.



## THE SMART WORKPLACE

Achieve more with the 5th Generation T Series. From the instrumentation to the redesigned steering console and power shuttle, everything is smarter and easier with the T.



## EASY OWNERSHIP

It's easy to drive and easy to service. With a long service interval, you get more productive working time, and with Connect, Care & Go you'll work with added peace of mind.



# A MODERN WORKHORSE

If you would design and build a tractor, this is what it would look like. Smart, comfortable and powerful – the T Series makes zero compromises.

## 1. ALL-DAY COMFORT

### USER INTERFACE THAT WORKS FOR YOU

Comfort, ergonomics and ease of use are at the heart of the T Series. The 5th generation updates include an improved user interface, controls and a smart A-pillar display that puts information right where you need it. The steering column and the steering wheel are renewed for better usability and visibility. And, with the industry benchmark SmartTouch in Versu models, each day brings more profit and peace of mind.

## 2. STRENGTH FOR ANYTHING

### POWER TO PULL ANY TASK

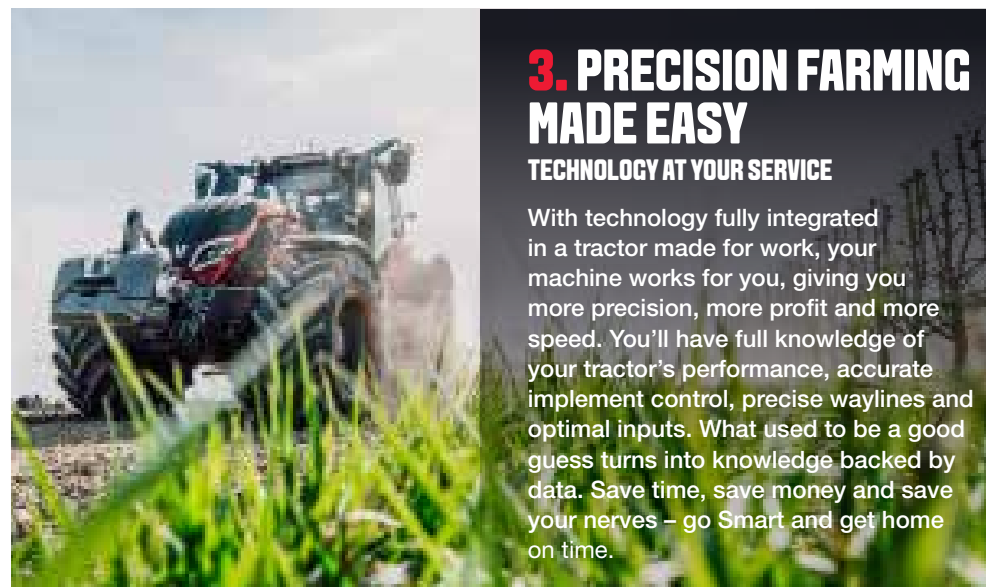
The 6-cylinder AGCO Power engine is made to last. With low revs and high torque, it has the durability, efficiency and power to face any job.



## 3. PRECISION FARMING MADE EASY

### TECHNOLOGY AT YOUR SERVICE

With technology fully integrated in a tractor made for work, your machine works for you, giving you more precision, more profit and more speed. You'll have full knowledge of your tractor's performance, accurate implement control, precise waylines and optimal inputs. What used to be a good guess turns into knowledge backed by data. Save time, save money and save your nerves – go Smart and get home on time.



## 4. KING OF ANY TERRAIN

### FULL PULL

Drive comfortably anywhere the work brings you. You get high road speeds with high payload, a smooth driving experience on-road as well as high ground clearance and pneumatic front suspension for comfort off-road.

## 5. 365 DAY & NIGHT VISIBILITY

### SEE YOUR NEXT MOVE IN ANY CONDITION

The visibility from the driver's seat is excellent to all directions, in all conditions. LED daytime running lights improve safety and others will see you as well. Side window wipers clear your side view and 10 roof air vents help keep the windows mist-free.

## 6. SAVE IN EVERY TURN

### LOW COST OF OWNERSHIP

Get more bang for your buck with Valtra. Valtra's engine, made in-house with hydraulic lash adjustment, keeps the costs low, and the powerful but agile machine is designed to save your money, fuel and time.

## 7. MULTI-PURPOSE

### UNLIMITED FEATURES AND OPTIONS

Customise your T Series with Valtra Unlimited, add a factory-fitted front loader or choose any option that supports your work. Whatever you want and need, we can make your multi-purpose vehicle just right for you.



## 8. THINK THE OTHER WAY AROUND

### VALTRA'S UNIQUE TWINTRAC SYSTEM

Work forwards and backwards with Valtra's unique TwinTrac reverse drive system. With incredible rearview visibility and the optional Skyview roof, you can work effectively and safely in all directions.

## 9. MAKE IT SIMPLE

### STRAIGHTFORWARD DRIVING

Active & HiTech models keep your working experience simple, straightforward but always first class. Mechanical controls of the spools and an ergonomic armrest keep you in control, and with the A-pillar display your settings are easy and intuitive.

## 10. CONNECT, CARE & GO

### ALWAYS CONNECTED, ALWAYS IN CONTROL

Get total peace of mind with efficient repairs, reduced downtime and regular service intervals. With Connect, Care & Go you can fix your costs and stay at ease.

# DESIGNED AROUND YOU

Everything about the 5th generation T Series is designed around the driver for maximum comfort, ergonomics and visibility. The narrow dashboard and slim steering column give an unobstructed view of the front wheels and front-mounted implements or a front loader. The centre console is designed to ensure more leg room for even the tallest drivers. Take your seat and take a good look around you – everywhere you see there are numerous improvements to make your working day the best it can be.

The T Series comes with excellent work lights for dark and difficult conditions as well as safety improving LED daytime running lights. The 365 day & night visibility continues with the design of the cab. The forward leaning roof with the optional, large roof window has minimal overhangs for great visibility. For special tasks, the optional SkyView cabin makes the great view even better.

The unique, sweeping A-pillar design increases forward visibility, provides better aerodynamics in transport and enables the

air intake and exhaust pipe to be positioned close to the cab for better durability. The air conditioner is placed on the roof for easy maintenance.

You already know the cab is designed for comfort, but the look of the interior is pure premium as well. You can choose from two cab trims: Standard (light) and Premium, which comes with a stylish dark roof and side panels, a leather steering wheel and chrome finishes on the majority of the 12 air vents.



## A-PILLAR DISPLAY

The large, clear and ergonomically placed A-pillar display comes as standard with all models. It displays the needed tractor information, enables controlling the key tractor settings and helps follow the tractor's performance. All settings are easily controlled with an encoder (rotating ring) and two push buttons.

### INFORMATION AND WARNING LIGHTS

are also integrated in the A-pillar display as two LED icon matrixes, lit when needed.

### TOP

The top of the display shows essential information such as your ground speed, clock time, the engine RPM and fuel levels. When needed, the rest of the display can be dimmed.

### MIDDLE AND BOTTOM

The middle and lower screens show the tractor's transmission status and performance including pre-set gears and cruise speeds. You can configure the areas to display information that is essential to you and your tasks. In HiTech and Active models this also works as an easy to-use tool for settings.



# POWER TO PULL ANY TASK

The Valtra T Series is a great choice for a multitude of tasks that demand power, such as lifting, loading and pulling – without compromising on agile movement. Front linkage does not limit the excellent turning angle of the front wheels and neither does the front loader. With the powerful front and rear hydraulics, you will save time and money, and what's more, you will have easy control even with heavier implement combinations.





The Valtra Direct, Versu and Active models offer high-capacity load-sensing hydraulics with 115 or 160 l/min hydraulic pumps. Even 200 l/min can be opted in special cases. There are separate oils for the transmission and the hydraulics, up to seven service valves in the rear, and four valves in the front. In Versu and Direct models all the valves are fully adjustable with electronic control using the SmartTouch user interface. In Active and Hitech models the rear valves are mechanically controlled and the front valves – for front loader, front lift or both – are

electronically controlled with the joystick on the armrest, and fine-set easily with the A-pillar display.

For heavy implements, The T Series is an excellent machine for maximum grip thanks to its 40%–60% weight balance. The integrated front lift gives you the highest lifting capacity of 51 kN and up to 95 kN at the rear. The unique 890 mm lift height makes heavy tasks easy. A three-speed PTO with or without Ground Speed PTO is available. Valtra's unique Automatic Slip Regulation (ASR) guarantees the most effective

traction by reducing unnecessary slippage. The system works with all implements, mounted or pulled, and is available for Active and Versu models (STD in Direct).

# YOUR SMART TECHNOLOGY BUILT IN

Valtra Smart Farming is a set of technologies that work seamlessly together – Valtra Guide, ISOBUS, Section Control, Variable Rate Control and TaskDoc®. Key design principles of our technology solutions are the ease of use, data transfer and compatibility.

A better quality of life is at your fingertips. Smart Farming is the key to easier workdays, bigger profits and maximum precision.

All smart functions can be controlled with our innovative SmartTouch armrest. Tasks are managed with taps and swipes, just like your smartphone, but even easier.

You can have the Smart Farming features in Active and HiTech models and control them through the SmartTouch Extend screen.

Valtra Guide helps to improve efficiency, reduce overlap and enhance operator comfort, whatever the farm size. This is the future - happening right now!

## VALTRA GUIDE

Valtra Guide is our auto-guidance solution that has been developed based on real user feedback. We wanted to make sure that recording and configuring waylines and boundaries are as easy as it gets. Valtra Guide is your go-to companion when you want to work more efficiently and get more from your fields while worrying less about gaps, overlap and unnecessary driving on the field.

Valtra Guide uses GPS guidance to steer your tractor for you. The automatic steering follows waylines precisely and reduces overlaps, saving you time, fuel and money. Because you don't have to focus on the steering, you'll be able to concentrate on your implement, work longer days, cover more ground and still be relaxed.

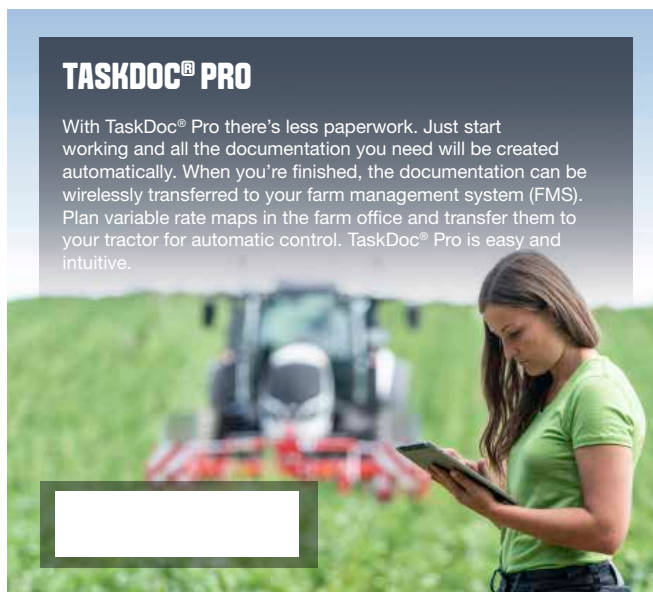


## VALTRA U-PILOT HEADLAND MANAGEMENT SYSTEM

With Auto U-Pilot you can start your headland management sequence automatically when the tractor goes over a set headland line, making work both perfectly precise and easy.

## TASKDOC® PRO

With TaskDoc® Pro there's less paperwork. Just start working and all the documentation you need will be created automatically. When you're finished, the documentation can be wirelessly transferred to your farm management system (FMS). Plan variable rate maps in the farm office and transfer them to your tractor for automatic control. TaskDoc® Pro is easy and intuitive.



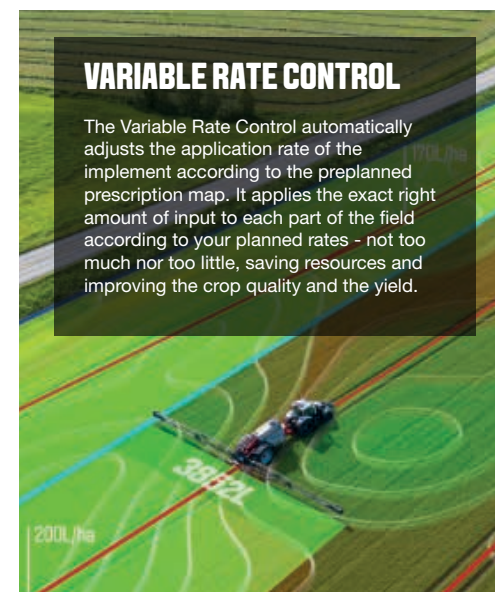
## ISOBUS

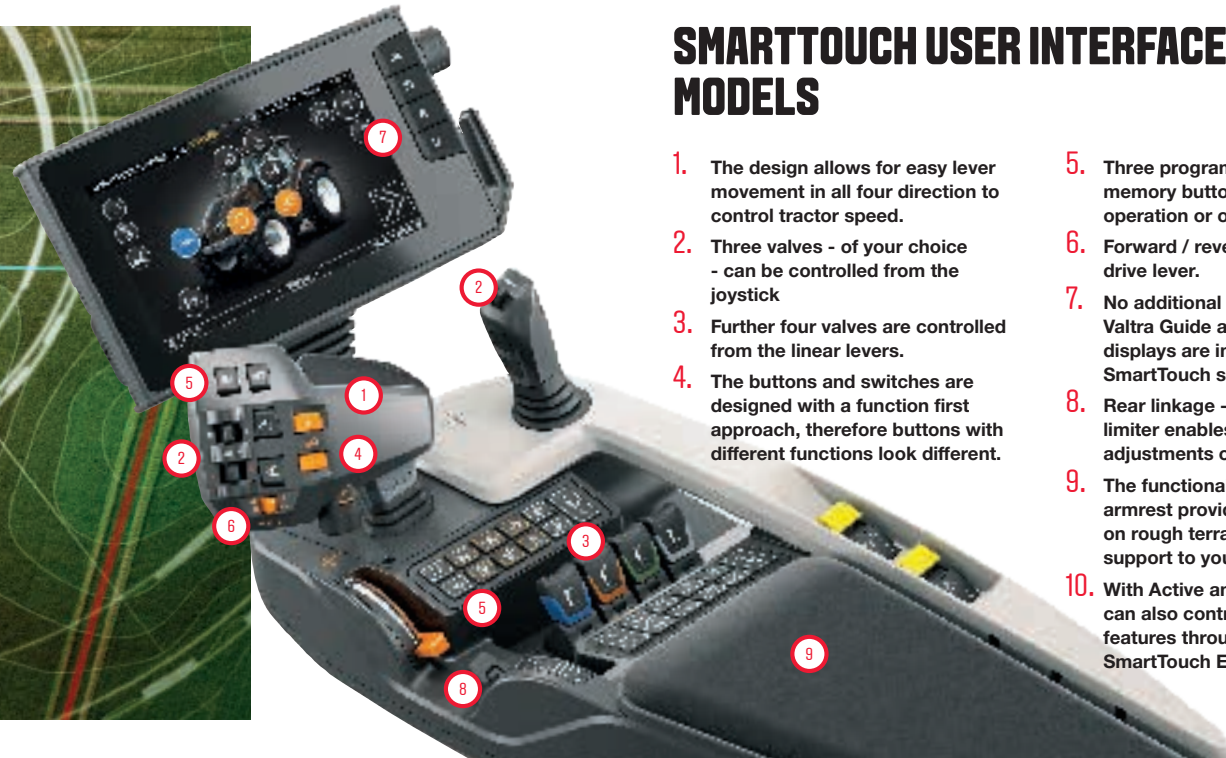
With Valtra SmartTouch and ISOBUS, you can work with any ISOBUS-compatible implement, from any manufacturer. SmartTouch lets you connect implements quickly and easily, plus it gives you the high level of control that precision farming demands. The ISOBUS standard (ISO 11783) is what makes this possible.

ISOBUS makes compatible implements "Plug and Play", so when you connect the implement to your Valtra tractor, all the relevant machine data is uploaded to the terminal immediately.

## VARIABLE RATE CONTROL

The Variable Rate Control automatically adjusts the application rate of the implement according to the preplanned prescription map. It applies the exact right amount of input to each part of the field according to your planned rates - not too much nor too little, saving resources and improving the crop quality and the yield.





## SMARTTOUCH USER INTERFACE IN VERSU MODELS

1. The design allows for easy lever movement in all four directions to control tractor speed.
2. Three valves - of your choice - can be controlled from the joystick.
3. Further four valves are controlled from the linear levers.
4. The buttons and switches are designed with a function first approach, therefore buttons with different functions look different.
5. Three programmable (M) memory buttons for any tractor operation or operations (U-pilot).
6. Forward / reverse lever at the drive lever.
7. No additional screens needed - Valtra Guide and safety camera displays are integrated into the SmartTouch screen.
8. Rear linkage - The easy-to-use limiter enables even the smallest adjustments of the rear linkage.
9. The functional structure of the armrest provides a good grip on rough terrain and gives good support to your arm.
10. With Active and HiTech you can also control SmartFarming features through the optional SmartTouch Extend screen.

## VALTRA CONNECT

Valtra Connect is our telemetry solution that records tractor activity and GPS movements, all the time. It can display history and real time data on your mobile device and you can access the data anywhere, anytime. Using this data, you and your Valtra service partner can anticipate maintenance needs, and react faster to solve minor issues and avoid extra visits to your authorised service centre.

FIRST 5 YEARS FOR FREE



**AGCO telemetry for customer**  
Fully customer and user driven user experience



Easy to navigate menu structure.



You can assign any control to operate any hydraulic function, including front and rear hydraulic valves, front and rear linkages and the front loader.



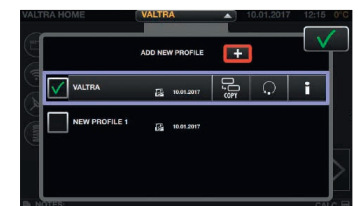
The settings are logical and easy to set up with swipe gestures. All settings are automatically stored in the memory.



Configure the work lights easily with the 9" touchscreen. Premium and Premium+ work lights also include settable cornering lights, which are controlled by wheel angle sensor in the front axle.



The 9" touchscreen, large controls, settings and functions are easy to understand.



Profiles for operators and implements which can be easily changed from any screen menu. All the setting changes will be saved in the selected profile.

# UNBEATABLE VALTRA TRANSMISSION

Valtra's T Series' transmissions are designed and made by Valtra, and the fifth generation brings again new features. With Valtra you can drive your Powershift tractor like a CVT. In automatic modes the transmission does the shifting based on your acceleration and torque requirements, so you always get the best fuel economy and the power you need.

With the Valtra T Series, your tractor's transmission delivers the right power for the job automatically. Versu comes with the user-friendly SmartTouch user interface as standard.

The 5th generation T Series adds new features; new hardware and software that support smooth and quick working range changes. Automatic range changes can be set more freely according to the needs of the operator. In manual mode, the

Powershift drive lever can also change the group gear. Depending on your market area, you can choose the top speed on all models from 40 km/h, and for bigger models a High Speed version of up to 57 km/h is available.

Faster range shifting improves your driving experience on all models, and with the A-pillar display, your machine can be easily configured for full performance.

## VERSU

- Five-step powershift
- Load sensing hydraulics
- 115 l/min std pump capacity
- 160 or 200 l pumps
- SmartTouch user interface
- Smart A-pillar display



## HITECH

- Five-step powershift
- Open centre 73/90 litre hydraulics
- Mechanical spool valve controls
- Basic or Armrest controls
- Smart A-pillar display



## ACTIVE

- Five-step powershift
- Load sensing hydraulics
- Mechanical hydraulic controls
- 115 l/min standard pump capacity
- 160 or 200 l pumps
- Smart A-pillar display



# ROBUST AGCO POWER ENGINE

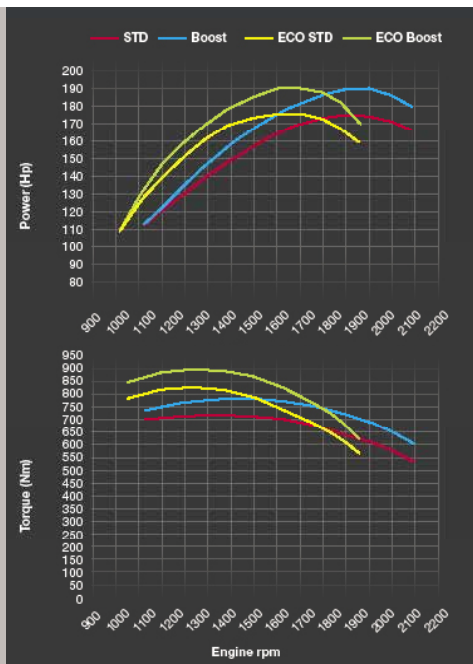
The T Series is a versatile and agile working machine that makes no compromises on power on the ground or for PTO. The large 6-cylinder AGCO POWER engine guarantees strength that doesn't run out. 1600 bar injection pressure maximum precision and fuel efficiency. A right-sized turbocharger with electric by-pass valve provides high torque even at low revs. Advanced engine features comply with TIER 3 emission standards without additional costs for you.

## T175 ECO MODE

Perfect for heavy pulling, Valtra T175e is an EcoPower model that gives you the option to select a low revolution engine curve to optimize fuel consumption. Engine torque increases while the top revs are reduced by 20%, reducing also engine noise, vibration and enabling 10% in fuel savings. The reduced revs and piston speed mean a longer life for both your engine and your tractor.

## SIGMA POWER AND BOOST

When you need more muscle, Sigma Power delivers extra power for PTO work. An engine boost of 15 hp is available for the T Series. A start boost feature gets you going even with heavy loads without compromising.



## RIGHT-SIZED AGCO POWER ENGINE

The beauty of the 6.6 and 7.4 liter engines is that the displacement is ideal for the power, meaning efficient overall fuel economy and strong pulling power on all engine revs.

## BEST OVERALL ECONOMY

Through a partnership of 70 years, Valtra and AGCO Power have optimized fuel consumption to the most efficient level.

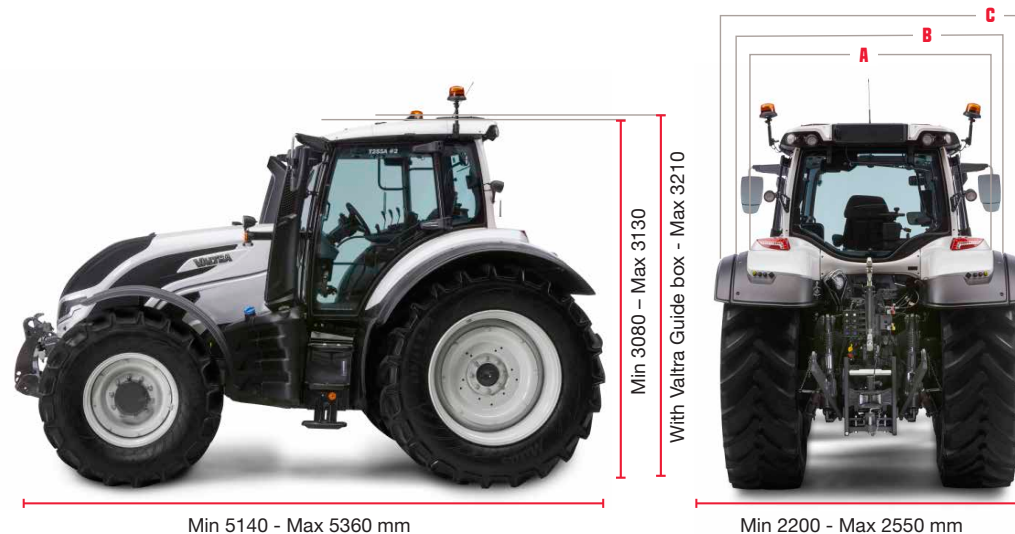
# T SERIES TECHNICAL SPECIFICATIONS

## 155-235 HP



| MODEL | MAX POWER |     | MAX. BOOST POWER |     | MAX. TORQUE NM |       |
|-------|-----------|-----|------------------|-----|----------------|-------|
|       | HP        | kW  | HP               | kW  | STD            | BOOST |
| T155  | 165       | 121 | 180              | 132 | 680            | 740   |
| T175  | 175       | 129 | 190              | 140 | 850            | 900   |
| T195  | 195       | 143 | 210              | 154 | 800            | 870   |
| T235  | 235       | 173 | 250              | 184 | 930            | 1000  |

See specifications table for further engine data. The boost values are available in field and road speeds as well with Sigma Power (option) in PTO use.



Own working weight 7300 kg

Max total weight 13500 kg

**Mudguard widths:**

**A:** forest 2081 mm

**B:** narrow 2280 mm

**C:** wide: 2550 mm

| MODEL                                           | HITECH • ACTIVE • VERSU |
|-------------------------------------------------|-------------------------|
|                                                 | T155, T175, T195, T235  |
| <b>DIMENSIONS WITH 600/65R28 + 710/70R38</b>    |                         |
| Wheel base [mm]                                 | 2995                    |
| Length (with front linkage, transport position) | 5800                    |
| Transportation length, with front linkage       | 5360                    |
| Height, without Valtra Guide box, [mm]          | 3130                    |
| Width, max [mm]                                 | 2550                    |
| Turning radius [m]                              | 5,25                    |
| Ground clearance mid [mm]                       | 560                     |
| Ground clearance rear (no hitch) [mm]           | 600                     |
| Weight (full tanks, + driver) [kg]              | 7300                    |
| Weight distribution Front/Rear [%]              | 40/60                   |
| Max total weight [kg]                           | 13500                   |
| Fuel capacity, basic [l]                        | 440                     |
| Min tyre size (rear SRI 875)                    | 540/65R28 + 650/65R38   |
| Max tyre size (rear SRI 925)                    | 600/65R28 + 710/70R38   |



| MODEL | HITECH                 | ACTIVE | VERSU |
|-------|------------------------|--------|-------|
|       | T155, T175, T195, T235 |        |       |

**ENGINE**

|                                          |                          |
|------------------------------------------|--------------------------|
| Agco Power engine type T155              | 66 CW3                   |
| Agco Power engine type T175 - T235       | 74 CW3                   |
| Engine no. of cylinders (volume, litres) | 66: 6 (6.6), 74: 6 (7.4) |
| Engine speed at max power [r/min]        | 1900                     |
| Engine nominal speed [r/min]             | 2100                     |
| Engine speed at max torque [r/min]       | 1500                     |
| T175 Eco-mode max power at [r/min]       | 1700                     |
| T175 Eco-mode max torque at [r/min]      | 1100                     |
| Idle speed [r/min]                       | 850                      |
| Low idle (shuttle lever on P) [r/min]    | 650                      |
| Emission grade                           | Tier 3                   |

**TRANSMISSION**

|                                              |                                                      |
|----------------------------------------------|------------------------------------------------------|
| Number of gears                              | 30+30R                                               |
| With creeper                                 | STD                                                  |
| Number of work areas                         | 4 (A, B, C, D)                                       |
| Number of powershift gears / area            | 5                                                    |
| STD speeds at 2100 r/min with creeper [km/h] | 0.6-40 <sup>1</sup> or 0.7-50 or 0.7-57 <sup>2</sup> |
| Top speed 43 km/ reached at [r/min]          | 1900 or 1500 <sup>1</sup>                            |
| Lowest creeper speed at 2200 r/min [km/h]    | 0.6 or 0.7                                           |
| Front axle suspension                        | Option, AIRES (Pneumatic)                            |

| MODEL | HITECH                 | ACTIVE | VERSU |
|-------|------------------------|--------|-------|
|       | T155, T175, T195, T235 |        |       |

**HYDRAULICS**

|                                              |                |                |
|----------------------------------------------|----------------|----------------|
| Lifting power rear, (max kN)                 | 81             | 81 or 95       |
| Lifting power entire lift range, [ kN]       | 75             | 75 or 89       |
| Lifting power entire lift range, [Front, kN] | option, max 51 |                |
| Type of Hydraulics                           | Open center    | Load Sensing   |
| Pump capacity max [l/min]                    | 73(90)         | 115 (160, 200) |
| Transmission and hydraulic oils              | Common oil     | Separate oils  |
| Number of mechanical service valves rear     | 2, 3 or 4      | --             |
| Number of electrical service valves rear     | --             | 2...5          |
| Number of ON/OFF valves rear                 | --             | 1              |
| Number of electrical service valv. FRONT     | 2,3 or 4       |                |
| Transmission and hydraulic oils              | 40             | 47             |

**PTO**

|                                              |                                                  |
|----------------------------------------------|--------------------------------------------------|
| 2 Speeds @ engine speed [r/min]              | 540@1890 + 1000@1897                             |
| 3 Speeds @ engine speed, option [r/min]      | 540@1890 + 1000@1897 + 540E@1522                 |
| 3 Speeds+ Ground speed option                | with GS ratio 41,03 (40 km/h) or 40,79 (50 km/h) |
| Front PTO option, speed @ eng. speed [r/min] | 1000@2000                                        |

**INTERFACES**

|                                  |              |     |
|----------------------------------|--------------|-----|
| Valtra ARM (armrest control)     | Option       | --  |
| Valtra SmartTouch User Interface | --           | STD |
| Valtra Connect                   | STD / Option |     |
| Valtra Guide options             | Option       |     |



You take on extremes each day.

You work in challenging environments, climates and landscapes.  
You work hard, putting in long hours and hauling distances.  
You work with jobs that ask for speed, power and precision.

To be in complete control, you deserve a visionary partner.  
To be always connected, you need the smartest machine.

That is why you trust Valtra.

We work hard to make hard work easy.  
We find new ways to solve your challenges.  
We make machines that are tough on the outside  
and smart on the inside.

Our machines are built to last.  
Built to work. Built for you.

## YOUR WORKING MACHINE



**VALTRA** is a worldwide  
brand of AGCO.

Valtra Africa  
AGCO South Africa  
16 Pomona Rd, Gauteng,  
Kempton Park

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