



VALTRA T SERIES 6TH GENERATION

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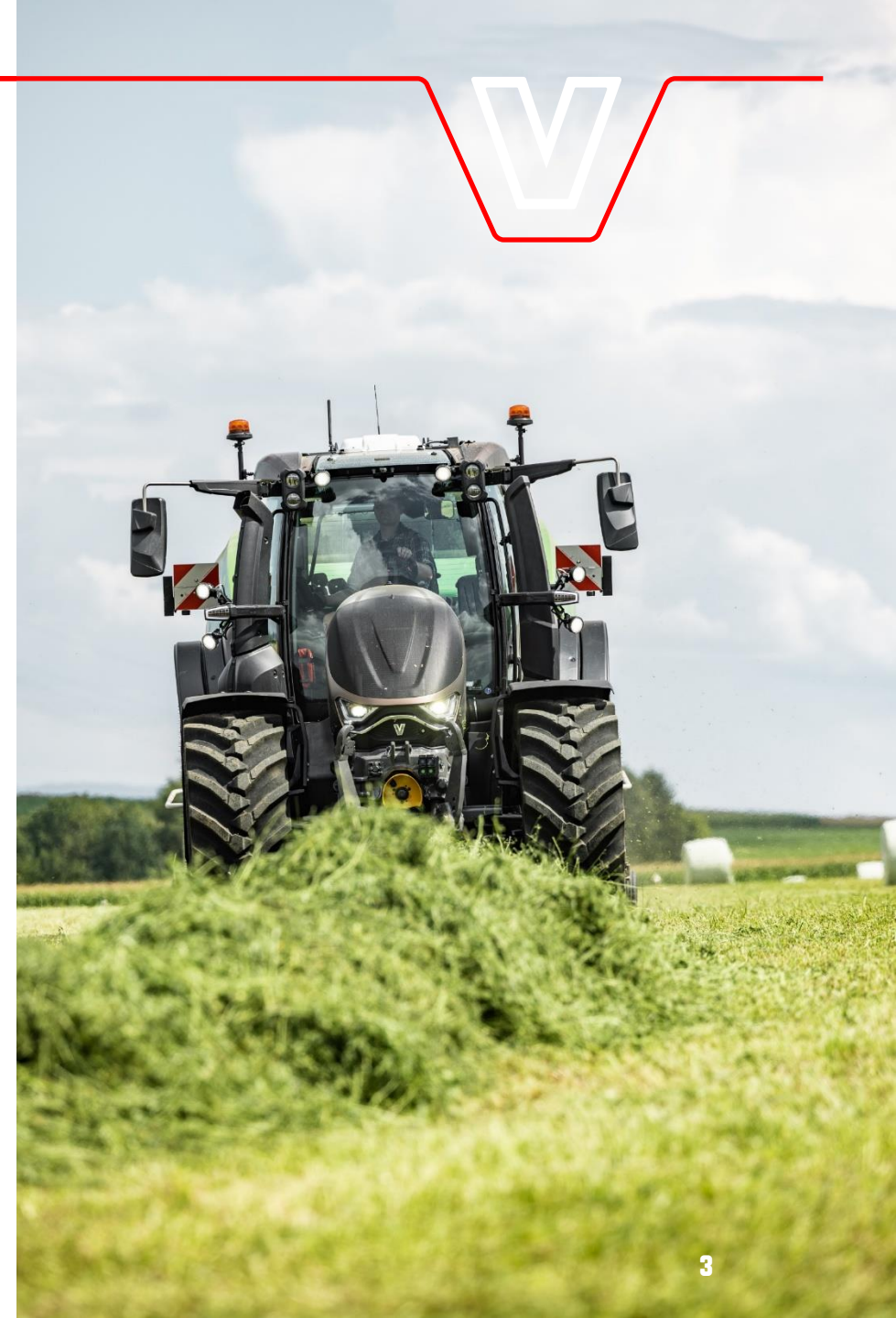
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MODEL OVERVIEW

Model	Engine	Power			PTO Power	Speed		
	Engine Type	kW	hp	Nm	hp	Ta	Tb	Highspeed
T146	75 FSTN – D5 (Core 75) AGCO Power	127	170	815	147	40	50	57
T156		138	185	879	161			
T176		149	200	949	177			
T196		160	215	1019	194			
T216		172	230	1095	206			
T236		183	245	1184	225			

*max. Power reached at 1900 r/min ECE R-120



OVERVIEW

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HIGHLIGHTS

1. AGCO Power CORE 75 Engine

- 6-cylinder, **7.5-liter engine** with high-pressure common rail
- Smart Power Management with **flat torque curve and power modes**
- Maximum power at **1000-1,500 rpm without boost** (T236: 191 / 245 kW / PS)
- Up to **5% lower fuel consumption** vs. equivalent T5 model

2. Optimized Cab Roof & Climate Concept

- Optimized **air conditioning airflow**
- Dedicated **summer and winter modes** for maximum driver comfort

3. High-Performance Concept

- Designed for **14,000 kg** maximum gross weight
- Top speed options: **40, 50 or 57 km/h**

4. Advanced PTO System

- Up to **four rear PTO speeds** with automatic functions
- **Stationary PTO mode** for constant-speed applications

5. Advanced Front Linkage

- **Load-relieving front linkage**
- **Integrated position display** for precise control



HIGHLIGHTS

6. High-Performance Hydraulics and Pneumatics

- Up to **200 l/min** hydraulic flow
- Hydraulic couplers with **decompression lever**
- Up to **10** electronic **hydraulic valves**
- **High-capacity air** compressor
- Ideal for heavy applications and **CTIS systems**

7. Optimized Power-to-Weight Concept

- Low performance weight: **31.84 kg/hp**
- High payload capacity: **6,200 kg**
- **Long Wheelbase** means less counterweight
- Automatic trailer steering axle control
- Increased safety and stability during road transport

8. Smart Operating Solutions

- **Valtra TwinTrac** reverse driving station
- Full efficiency and ergonomics in forward and reverse operation
- Connectivity Ready
- **PTx FarmENGAGE Ready** for digital services and fleet management

9. Maximum Configuration Freedom

- **Customer-centric** setup philosophy
- Options such as **Active Gen 2** available with CVT transmission
- **Valtra Guide with Mechanical Spool Valves** from Factory

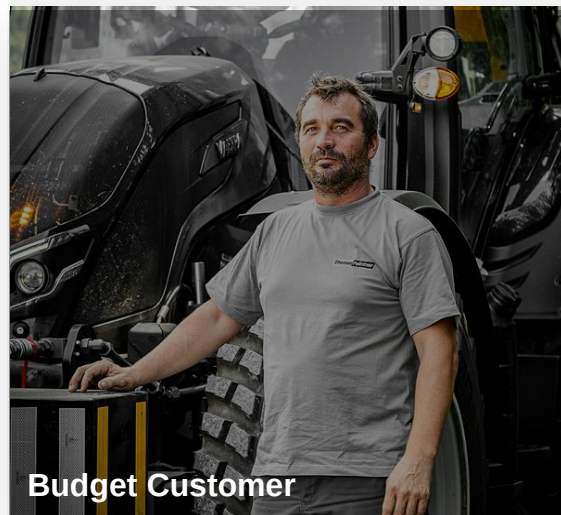


OVERVIEW OF CUSTOMER GROUPS



Cost

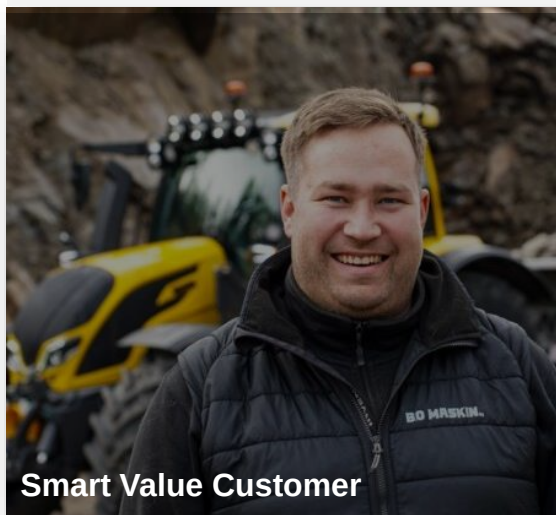
- Focus on lowest total investment and proven core functionality
- Chooses robust, simple specifications without unnecessary extras
- Prioritizes reliability, ease of use, and low running costs



Budget Customer

Efficiency

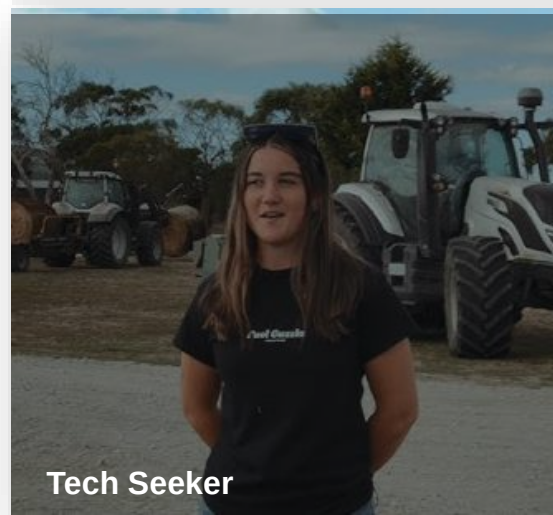
- Looks for the best balance between price and benefit
- Selects options that deliver clear productivity or comfort gains
- Wants future-proof features but avoids over-specification



Smart Value Customer

Innovation

- Actively invests in technology to improve efficiency and precision
- Interested in guidance, automation, and smart farming tools
- Expects technology to be powerful, intuitive, and easy to use



Tech Seeker

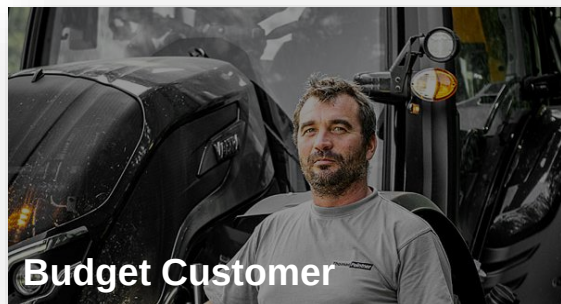
Excellence

- Seeks a premium, fully equipped tractor with high comfort and design appeal
- Values customization, advanced technology, and strong brand image
- Expects a tractor that stands out visually while remaining a serious work tool



Prestige Customer

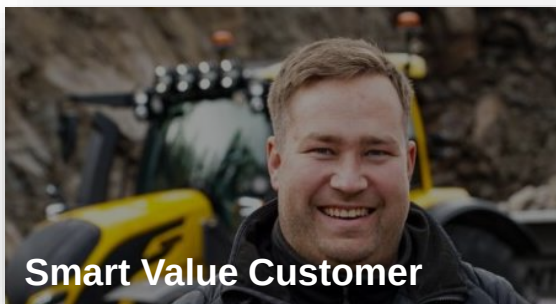
KEY DECISION DRIVERS BY CUSTOMER GROUP



Budget Customer

- Low Total Cost of Ownership
- Proven Core Technology
- Robust and Simple Specification
- High Reliability in Daily work
- Easy to Operate
- Low Running and Maintenance Cost

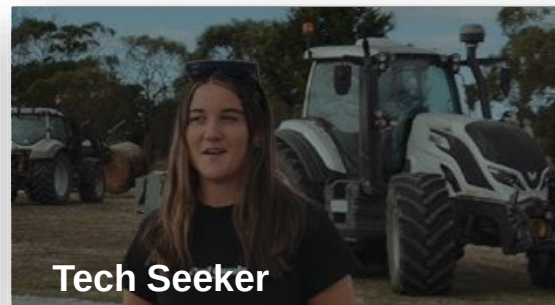
Cost



Smart Value Customer

- Best Balance of Price and Performance
- Efficiency That Reduces Cost per Hour
- Proven Technology with clear benefit
- Flexible Specification
- Reliable and Future-Proof
- Easy to Operate, Easy to Justify

Efficiency



Tech Seeker

- Advanced Technology with productivity gains
- Smart Farming
- Operator Centric Technology
- Automation that reduces fatigue
- Upgradeable Implement Integration

Innovation

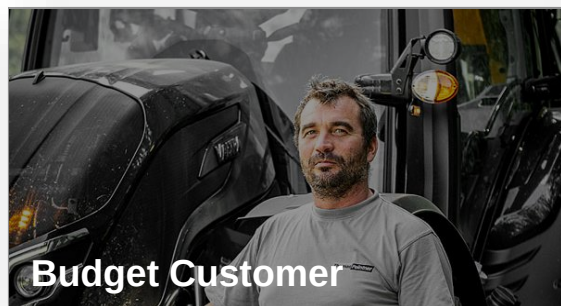


Prestige Customer

- Maximum Comfort for Long Working Days
- Fully Customised to the Business
- Superior Quality without compromise
- Effortless Operation
- Professional Image and Individuality
- Top Level Technology Combined with Comfort

Excellence

FROM EXPECTATION TO SOLUTION



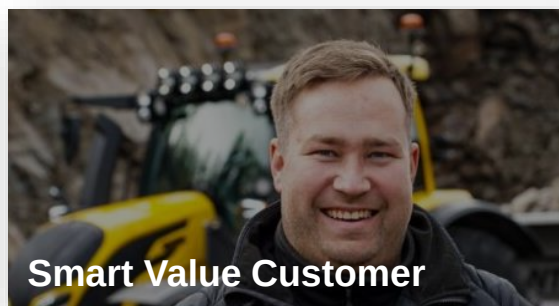
Budget Customer



5PS

Low Spec

- Swinging Armrest
- Integrated Hydraulic Joystick in the armrest
- 2x Cruise Controls on the Arm
- 2x Engine speed Memory
- Linkage Controls inc. EHR controls
- Mechanical Valves (Rear)
- 1x Flow Adjustment for rear



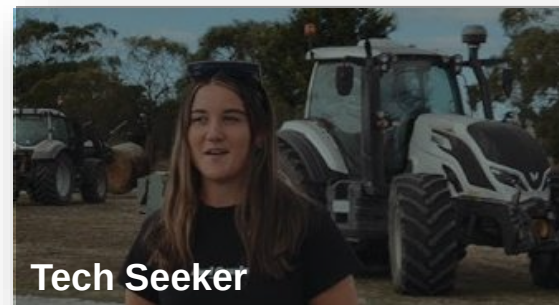
Smart Value Customer



10PS /CVT

Mid Spec

- Integrated Hydraulic Joystick in the armrest
- Isobus and AUX Functions
- Memory Buttons (simplified Headland management)
- Mechanical Valves (Rear)
- 1x Flow Adjustment for rear



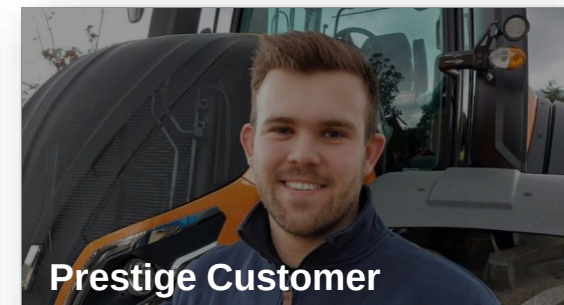
Tech Seeker



10PS/CVT

High Spec

- Integrated Hydraulic Joystick in the armrest
- Isobus and AUX Functions
- Memory Buttons (advanced Headland management)
- Electric Valves (Rear)
- 1x Flow Adjustment for rear



Prestige Customer

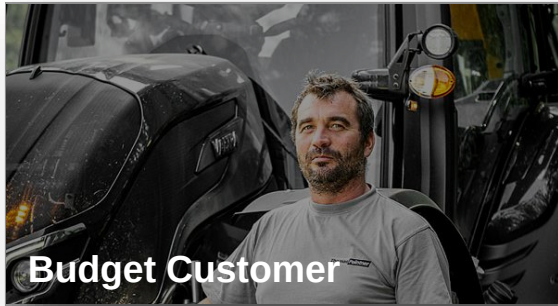


CVT

ULTRA

- Integrated Hydraulic Joystick in the armrest fully configurable
- Isobus and AUX Functions
- Memory Buttons
- Electronical Valves
- Full h
- 1x Flow Adjustment for rear

KEY DRIVERS - ARABLE



Budget Customer

Focus on Lowest Cost per Hectare & Reliable Daily Output

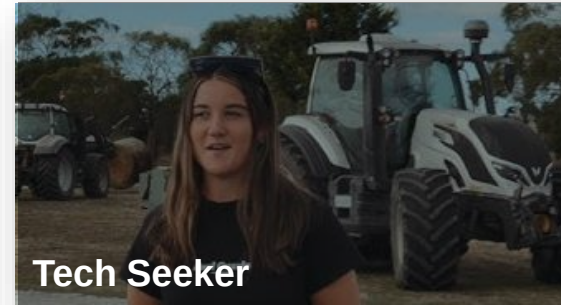
- High-torque 6-cylinder long-stroke engine
- Strong residual value
- Higher work output per day
- Optimized operating cost per hour
- Functional Layout of the Cab
- Future prove /upgradable



Smart Value Customer

Focus on Efficient Acre Coverage & Balanced Operating Costs

- Higher work output per day
- Low cost per hectare / acre
- Strong residual value
- High-torque 6-cylinder long-stroke engine
- Integrated Smart Farming solutions
- Optimized operating cost per hour



Tech Seeker

Focus on Smart Farming, Precision & Cost per Hectare Optimization

- Integrated Smart Farming solutions
- Optimized operating cost per hour
- Higher work output per day
- Low cost per hectare / acre
- Strong residual value
- High-torque 6-cylinder long-stroke engine

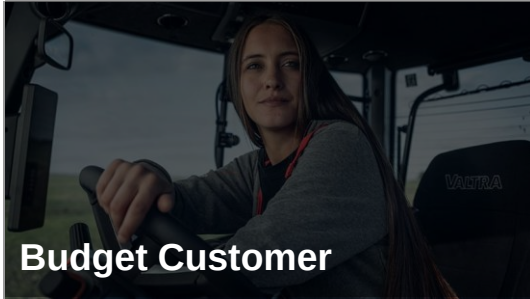


Prestige Customer

Focus on Maximum Performance, Comfort & Farm-Engaged Technology

- Optimized operating cost per hour
- Strong residual value
- Integrated Smart Farming solutions
- Higher work output per day
- Low cost per hectare / acre
- High-torque 6-cylinder long-stroke engine

KEY DRIVERS - CONTRACTING



Budget Customer

Focus: lowest operating cost, uptime, simplicity

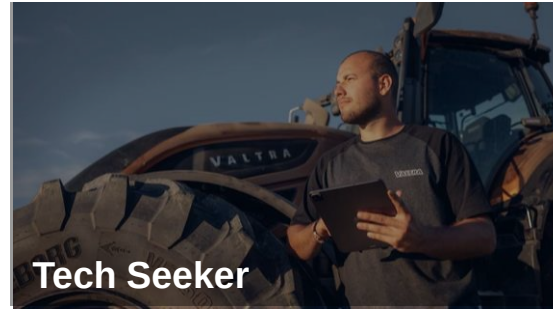
- Low **cost per hour** with controlled service and maintenance costs
- Long **service intervals** and low **service cost overall**
- Strong **workshop coverage** and **24h parts delivery**
- Use of **shared AGCO parts** ensures availability and cost efficiency
- Proven **resale value** to reduce total cost of ownership



Smart Value Customer

Focus: productivity with balanced investment

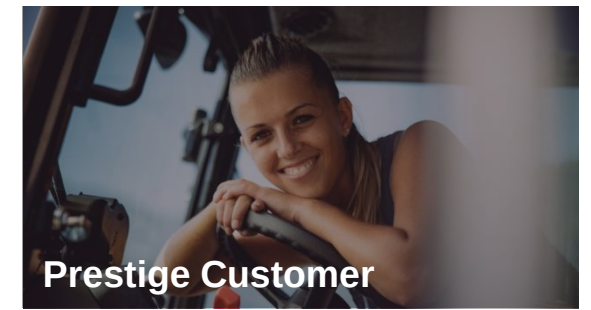
- Reduced **cost per hectare** through efficient machine utilisation
- **More acre coverage** with reliable performance and uptime
- Good **driver comfort** supporting long working days
- Well-trained **dealer readiness** for fast service turnaround
- Balanced **cost per hour** with strong value retention



Tech Seeker

Focus: smart farming, efficiency, data integration

- Advanced **Smart Farming** solutions for productivity optimisation
- **Interchange of waylines and documentation** across AGCO fleets
- **Cost per hectare reduction** through precision and automation
- **Connect & digital documentation** for performance and traceability
- Optimised logistics and planning delivering **more acre coverage**

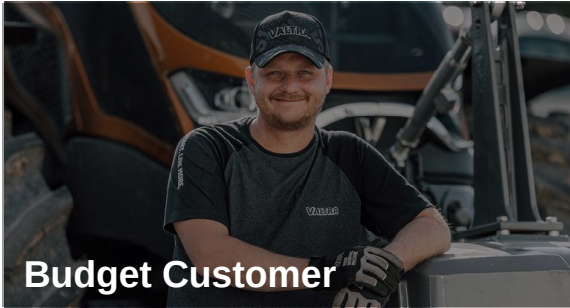


Prestige Customer

Focus: performance image, speed, professional operation

- **High-speed option** as a key argument for transport efficiency
- Premium **operator comfort** for professional contracting crews
- Strong **brand image & resale value**
- Full **dealer training and readiness** ensuring top-level support
- Close **FarmEngaged approach** supporting long-term partnerships

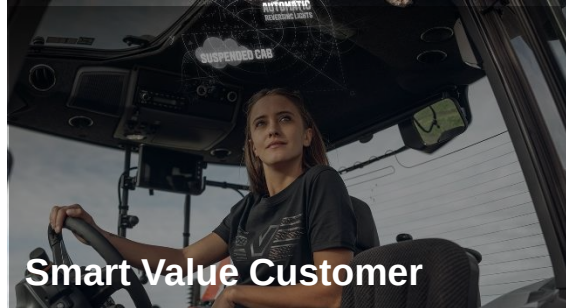
KEY DRIVERS - FORESTRY



Budget Customer

Focus: lowest operating cost, robustness, simplicity

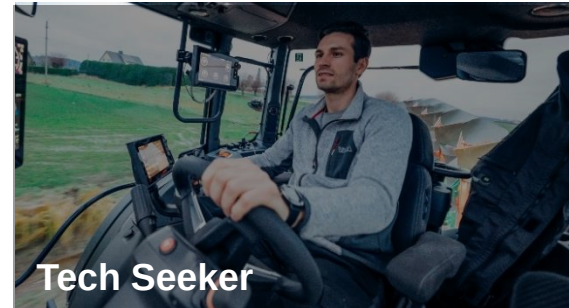
- Low **cost per hour** for long working days in tough conditions
- **Straightforward, robust design** – easy to use, easy to maintain
- **Long-stroke, reliable engine design** proven in forestry work
- **Factory-fitted protections with warranty** avoid aftermarket costs
- Strong **dealer & workshop coverage (Route 66)** to minimise downtime



Smart Value Customer

Focus: efficiency, versatility, value for money

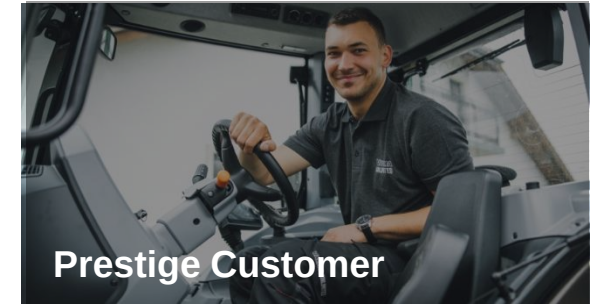
- Balanced **hydraulic capacity** for common forestry implements
- Good **agility and high ground clearance** for mixed terrain
- **TwinTrac** for efficient reverse-operation without over-specification
- Best **cost-performance ratio** across multiple applications
- Solid **resale value** protecting long-term investment



Tech Seeker

Focus: productivity, data, advanced solutions

- High-performance **hydraulics** for demanding forestry equipment
- **Connect solutions** for monitoring, uptime and productivity
- **Digitalisation & documentation** for fleet and work tracking
- Optimised machine use through **TwinTrac and agile design**
- Data-driven reduction of **cost per hour** in professional operations

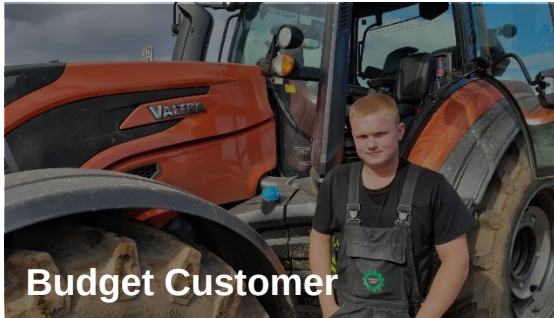


Prestige Customer

Focus: premium solution, image, long-term value

- Extensive **customization** tailored to specific forestry tasks
- **Factory-integrated protections** with full warranty and fit
- Proven **long experience in the forestry segment**
- Strong **brand image & resale value**
- Premium overall concept combining performance, durability and technology

KEY DRIVERS - MUNICIPALITY



Budget Customer

Focus: lowest total cost, reliability, simplicity

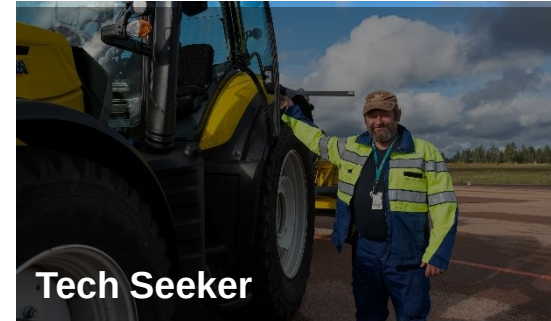
- Low **cost per hour** and predictable operating costs
- **Straightforward design** – easy operation, minimal training needs
- **Long-stroke, reliable engine concept** for long service life
- Strong **workshop & dealer coverage** (Route 66) for quick uptime
- Secure **resale value** to protect public investment



Smart Value Customer

Focus: best cost–benefit balance, versatility

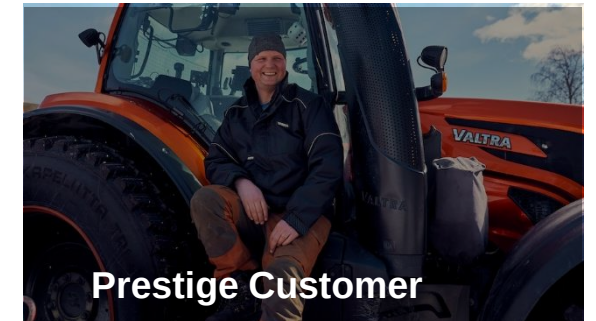
- **Easy to use for many different drivers** (shift work, seasonal staff)
- High **versatility**: suitable for multiple municipal applications
- Efficient **6-cylinder vs. 4-cylinder low-rpm concept** for flexible tasks
- Good **hydraulic capacity** for implements without over-specification
- Balanced **comfort for drivers** improving productivity



Tech Seeker

Focus: efficiency through smart technology and data

- **Digitalisation & documentation** for fleet management and traceability
- **Connect solutions** for monitoring, planning, and efficiency tracking
- Optimised **hydraulics** and **engine** performance for demanding attachments
- Technology that supports **lower cost per hour** through optimisation
- Future-proof platform aligned with **smart municipality strategies**



Prestige Customer

Focus: image, long-term value, operator satisfaction

- **High driver comfort** supporting professional working conditions
- Strong brand image & **resale value** for public representation
- **Robust 6-cylinder design** for smoothness and reserve power
- Premium feel with well-integrated **digital solutions**
- **Extensive dealer & service network** ensuring top-level support

COMPARISON MODELS



		Unit	N175	T156	T236	Q225
Engine		Typ	AGCO Power 49HD	AGCO Power Core75	AGCO Power Core75	AGCO Power 74HD
Maximum power ECE R120		kW/PS	121/165	141/170	191/245	169/230
Maximum power with Boost ECE R120		kW/PS	148/201	-	-	184/250
Number of cylinders		Amount	4	6	6	6
Displacement		cm ³	4,900	7,500	7,500	7,400
Rated speed		U/min	2,200	2,100	2,100	1,950
Maximum torque at rate speed		Nm	800	879	1184	1,100
Fuel tank option		Liter	235 (315)	265	265	430
AdBlue tank		Liter	45	40	40	45
Transmission & PTO			Direct	ML 180	ML 180	ML 260
Transmission type			PS or CVT	PS or CVT	PS or CVT	CVT
Forward speed range		Km/h	0,2-57	0,2-57	0,2-57	0,2-50
Rear PTO			540/540E/1000	540E/1000/1000E	540E/1000/1000E	540E/1000/1000E

COMPARISON MODELS



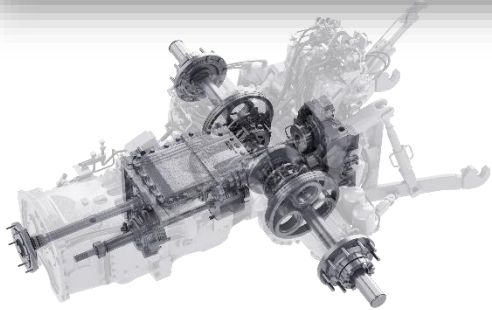
	Unit	N175	T156	T236	Q225
Power Lift & Hydraulics					
Variable displacement pump	l/min	115	115	115	200
Variable displacement pump option 1	l/min	160	160	160	-
Variable displacement pump option 2	l/min	200	200	200	-
Max. valves (front / mid / rear) 5 PS	Amount	5	-	-	-
Max. valves (front / mid / rear) Power / 10PS	Amount	-	4	4	-
Max. valves (front / mid / rear) Profi / CVT	Amount	5	6	6	5
Max. rear linkage lift capacity	Kg	7700	9500	9500	10000
Max. rear linkage lift capacity (at coupling point)	Kg	6800	-	-	9500
Max. front linkage lift capacity	Kg	3000	4000	4000	4200
Max. front linkage lift capacity (at coupling point)	Kg	2800	-	-	3800

COMPARISON MODELS

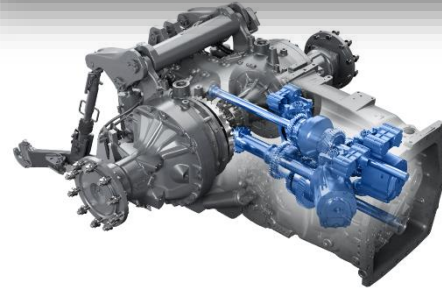


		N175	T156	T236	Q225
Dimensions					
Overall width with standard tires	mm	2550	2550	2550	2550
Maximum front tyre diameter	SRI	480/65R8	600/70R30	600/70R30	600/70R30
Maximum rear tyre diameter	SRI	600/65R38	710/70R38	710/70R38	710/70R42
Overall height of cab with standard tires and Valtra Guide	mm	3100	3233	3233	3340
Max. ground clearance	mm	500	575	575	565
Wheelbase	mm	2660	2950	2950	3050
Weights					
Operating weight (incl. standard equipment ±5%)	kg	6500	7800	7800	9200
Max. permissible gross weight up to 50 km/h (2-circuit brake)	kg	11000	14000	14000	16000
Max. permissible gross weight up to 57 km/h	kg	11000	14000	14000	-

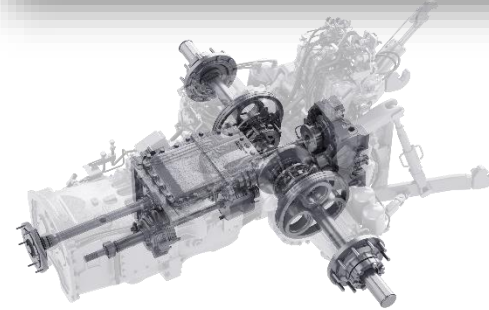
CONFIGURATION OVERVIEW



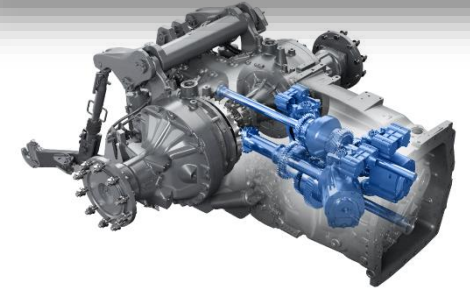
Powershift



CVT



Powershift



CVT



Active Gen.2



SmartTouch Gen.2

OVERVIEW

- Design Story 01
- Standard Colour Scheme 02

VALTRA



DESIGN STORY



STANDARD COLOR SCHEME



Red Metallic

Black Metallic

Olive green Metallic

White Metallic

Blue Metallic

Bronze Metallic

Uni Red

- All tractor models can be configured from the factory in seven standard colours. If no colour is selected, the machine will be delivered in Uni Red (standard red).
- It is unique to be able to select the tractor colour, as no other tractor brand offers a paint range comparable to Valtra. The additional cost is low compared to other manufacturers.

OVERVIEW

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STANDARD CABIN



General Information

- **ROPS** (DIN EN ISO 3471) & **FOPS** (DIN EN ISO 3449) **approved cabin** for maximum operator safety **8.5 Tons**
- **Long cabin design**, optimized for **TwinTrac**, providing additional space behind the driver's seat
- **Tapered cabin design at the entrance**, improving access and reducing the risk of branches contacting the cab
- **Integrated indicators in the cabin roof** for improved visibility and safety
- **Flat floor design** enabling easy seat rotation and providing increased storage space
- **6,22 m² of glass area** for excellent all-round visibility
- **Three different mirror options**, including integrated wide-angle mirrors
- **370 mm wide Aluminium entrance steps** with **self-cleaning design** for safe access in all conditions
- **Exhaust and air intake positioned behind the A-pillar**, ensuring unobstructed forward visibility
- **Engine pre-heater and 12V power connector** conveniently located in the entrance area
- **Sound insulation** with less Cab to Frame connections ensure a Sound level to 68dB

- + The standard cabin is designed to provide excellent all-round visibility while minimizing blind spots
- + Air intake and exhaust components are integrated behind the cab pillars to maintain a clear field of view
- + A wide door opening angle ensures easy and convenient access to the cabin
- + Windshield wipers are positioned to primary viewing area to maximize operator safety and visibility
- + The guide antenna is designed for flexible installation and can be mounted on various machine types



SKYVIEW CABIN



General Information

- **ROPS & FOPS approved cabin** for maximum operator safety **8.5 tons**
- **Rear cabin roof made of polycarbonate glass**, providing excellent visibility to crane-type and rear-mounted implements
- **SkyView roof window with integrated windscreen wiper** for improved upward visibility
- **TechRail integrated around the cabin roof**, allowing easy mounting of work lights and additional equipment
- **7,5m² glass area**, ensuring outstanding all-round visibility
- **370 mm wide Aluminium entrance steps with self-cleaning design**, ensuring safe access in all operating conditions
- **Optional polycarbonate front and rear windows** for increased durability
- **Acoustic Laminated front windscreen with heating function**, also available for the rear window
- **Exhaust and air intake positioned behind the A-pillar**, ensuring unobstructed forward visibility
- **Engine pre-heater and 12V power connector** conveniently located in the entrance area
- **Valtra Guide** available with Skyview Cabin
- **Sound insulation** with less Cab to Frame connections ensure a Sound level to 68dB

- + The cabin is factory-prepared for specialized customer segments and application-specific tasks
- + Optimized rearward visibility ensures clear sightlines for rear-mounted implements
- + The centrally mounted seat creates additional space behind the operator, improving in-cab usability and flexibility
- + Two additional rear work lights, integrated in the taillight area, provide enhanced illumination compared to the standard cab



CABIN SUSPENSIONS



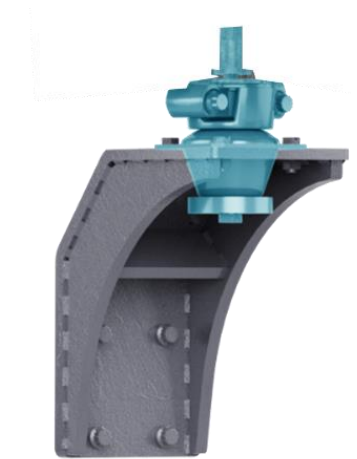
Mechanical Cabin suspension

- Spring Suspension in rear and Visco block in Front
- ± 50 mm Suspension travel
- Front damping system of the cabin with Polycarbonate to reduce vibrations



Pneumatic Cabin suspension (Auto Comfort)

- Communication between front axle and cabin suspension
- More sensitive and accurate compensation of uneven terrain
- Quicker response
- Adaptive Suspension
- ± 50 mm Suspension travel



Front Dampers

- Front dampers out of Polymers
- Vibration and noise reduction
- Better road stability and reaction for rear suspension

- + The cab suspension system is optimized in geometry and damping characteristics to minimize vertical movements and improve ride stability over uneven terrain.
- + Optimized suspension angle reduces vertical cab oscillations
- + Faster response to ground irregularities for improved operator comfort
- + Enhanced front damper material improves reaction time and damping performance
- + Reduced high-frequency noise and vibration from engine and transmission

OPERATOR ENVIRONMENT 1/2



SmartTouch Gen. 2 Cabin

- **A-pillar display at eye level** functions as an integrated **dashboard**, eliminating the need for additional head movement and improving ergonomics while reducing driver fatigue and stress
- **Electrically controlled rear valves** with individual flow and time adjustment
- **Integrated headland management system** included as a standard function
- **Up to 12 cruise control settings** for maximum operational flexibility
- **Full guidance functionality*** optionally available
- **10 Configurable Memory buttons**
- **Engine speed Memory 2** dedicated buttons but more to configured with Memory Buttons

Active Gen. 2 Cabin

- **A-pillar display at eye level** functions as an integrated control **interface**, keeping all key information within the natural field of view
- **Mechanically controlled rear valves**, with one valve flow-adjustable directly from the cab remaining from outside of the cab
- **Two cruise control** settings for simple and efficient speed management
- **Electrically controlled front valves** with individual flow and time adjustment
- **Basic headland management** system for essential headland automation
- **8 configurable buttons** for personalised control layout
- **Basic guidance** functionality optional available
- **Engine speed Memory 1** dedicated button



OPERATOR ENVIRONMENT 2/2



Standard Cabin Interior

- **Grey cabin trim** with a modern, functional appearance
- **Multiple well-positioned storage compartments**, ergonomically placed for easy driver access
- **Integrated phone holder** seamlessly built into the cabin design, with **cable charging capability**
- **12 air outlets** integrated into the **roof lining and steering column** for uniform air distribution
- **Easy-to-clean interior surfaces** with reduced edges and corners for improved hygiene and durability

Premium Cabin Interior

- **As above**
- **Dark cabin trim and roof lining** for a modern, high-quality interior appearance
- **Chrome accents on air vents and steering wheel** for a refined, premium look
- **Leather steering wheel** with enhanced grip for precise and comfortable control
- **Storage compartments with rubber mats** for improved grip, noise reduction, and easier cleaning

- + Clear, ergonomic cabin layout with well-positioned storage and integrated phone holder (incl. charging)
- + Optimized comfort through uniform air distribution via 12 integrated air outlets
- + Durable and easy-to-clean interior surfaces for improved hygiene and long-term use
- + Premium materials and finishes (dark trim, chrome details, leather steering wheel) for enhanced quality feel and operator experience



INTERIOR STORAGE AND COOLING



On-board Cooling

- Integrated coolbox with **8.4-liter capacity**, seamlessly incorporated into the cab design
- **Not available** in combination with **TwinTrac** (Valtra Unlimited reference)
- Cooling performance **down to 4 °C**
- **Can be separate switched ON and OFF** if the cooling is not needed
- **Cooling works also if the engine is not running**

Storage

- **Two document storage compartments**
- Two integrated **cup holders**
- Left-hand **side panel** storage compartment with **retention net**
- Universal **phone holder** suitable for all smartphone sizes
- Phone holder designed to be used with charging cable attached
- Integrated storage compartment in the **armrest**
- **Additional storage space** in the **upper side panel**

- + Stay refreshed all day – integrated coolbox keeps drinks and food chilled during long working hours
- + More comfort, less fatigue – cooling and smart storage support operator wellbeing
- + Everything in reach – dedicated storage for documents, phone, and personal items
- + Clean, premium cab design – fully integrated solutions, no aftermarket compromises



CAB POWER SUPPLY



Standard Power Supply

	12V Power outlet (cigarette lighter)	3-Pole Socket	USB C Socket	2-Pole Socket	2-Pole Socket with Switch	USB Data Transfer	Auxiliary Trigger
Amount	1	1	2	0	1	1	1
Ampere	8A	25A	QC3.0	8A	8A	-	-
Fuse	8A	25A	-	8A	8A	-	-



Power Socket Supply Set (64052400)

	12V Power outlet (cigarette lighter)	25A 3-Pole Socket	USB C Socket	2-Pole Socket	2-Pole Socket with Switch	USB Data Transfer	Auxiliary Trigger
Amount	2	3	2	1	1	1	1
Ampere	8A	25A	QC3.0	8A	8A	-	-
Fuse	8A	25A	-	8A	8A	-	-



- + 3 –pin sockets in cabin: max. 25A in total from all 2-3 sockets together
- + 2 –pin sockets in cabin: max. 8A in total from all 2 sockets together
- + "Cigarette lighter" power outlets: 8A in total from all 1-2 sockets together



SAFETY CAMERA



Digital Front and Rear Camera

- High-resolution image quality
- Clear view of front mounted implement or the rear-mounted implement
- Front camera mounted on Cabin front to have a great overview
- Rear camera integrated into the cab roof next to the vehicle license plate

Analog Implement Camera

- The **Video unit** has two analog Sockets for Implement Cameras available
- The Sockets for the Analog Camera are in the Video Unit it is Mounted Right hand side under the Plastics



(Video Unit)



- + The camera system is modularly designed, allowing integration of additional camera manufacturers via adapter cables available from Motec
- + Green connectors indicate digital camera outputs
- + Black connectors indicate analog camera outputs
- + The image quality of analog cameras is comparable to current camera systems; however, the SmartTouch Gen2 offers a higher display resolution, resulting in an overall improved image appearance.

WORK LIGHTS



Basic Lights (LED)

	Front	Rear	Waist	Side	Total	L/Light	Total Lumen
Standard	2	4	0	0	6	1100	6600
Skyview	2	4	0	2	8		8800



Premium Lights (LED)

	Front	Rear	Waist	Side	Total	L/Light	Total Lumen
Standard	2	4	4	0	10	2800	28000
Skyview	2	4	4	2	12		33600



Premium+ Lights (LED)

	Front	Rear	Waist	Side	Total	L/Light	Total Lumen
Standard	2	4	8	0	14	2800	39200
Skyview	2	4	8	2	16		44800

- + Full LED work lighting package as standard across all models.
- + Tool-free adjustment of every work light for optimum illumination.
- + Individually controlled work lights for maximum flexibility.
- + Reduces glare for combine operators when working side-by-side during harvest.
- + Light only where needed, improving visibility and operator comfort.



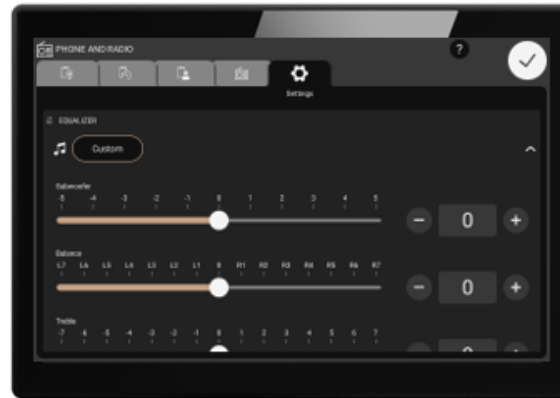
(Skyview Cab with Sidelight)

INFOTAINMENT SYSTEM 1/2



Infotainment and Controls

- **Sound system** with two speakers integrated into the cabin roof
- **Integrated microphone** above the roof lining, delivering clear hands-free communication even during heavy work, independent of head position
- Optional **subwoofer** integrated into the left-hand storage compartment for enhanced sound quality
- Available with **DAB or FM** radio



- + The infotainment system is designed for full functionality in both TwinTrac reverse driving and standard cab operation, independent of the operator's seating or head position.
- + CAN-bus radio from Continental fully integrated and controllable via the SmartTouch Gen2 armrest
- + Seamless operation in forward and reverse driving positions
- + Connectivity options include USB, AUX, and Bluetooth for mobile device integration

INFOTAINMENT SYSTEM 2/2

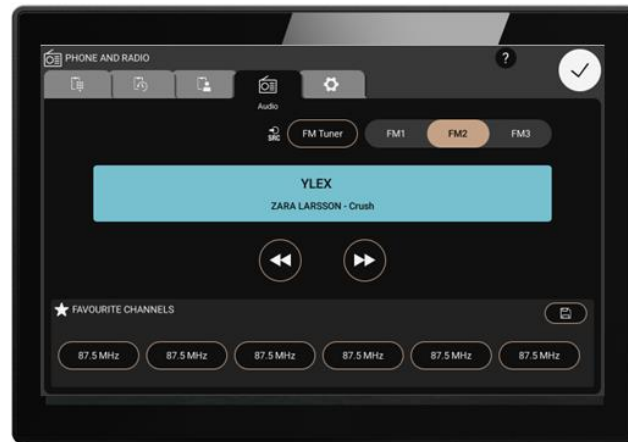


Speaker and Subwoofer

- **Standard** Sound system with **30 Watt** per Speaker
- **Premium** Sound System with **40 Watt** per speaker with sound optimized housing for higher sound quality
- **Subwoofer** with **80 Watt**
- Additional Subwoofer or Sounds systems available via UNLIMITED Studio
- Centralised audio and phone control via the **SmartTouch interface**

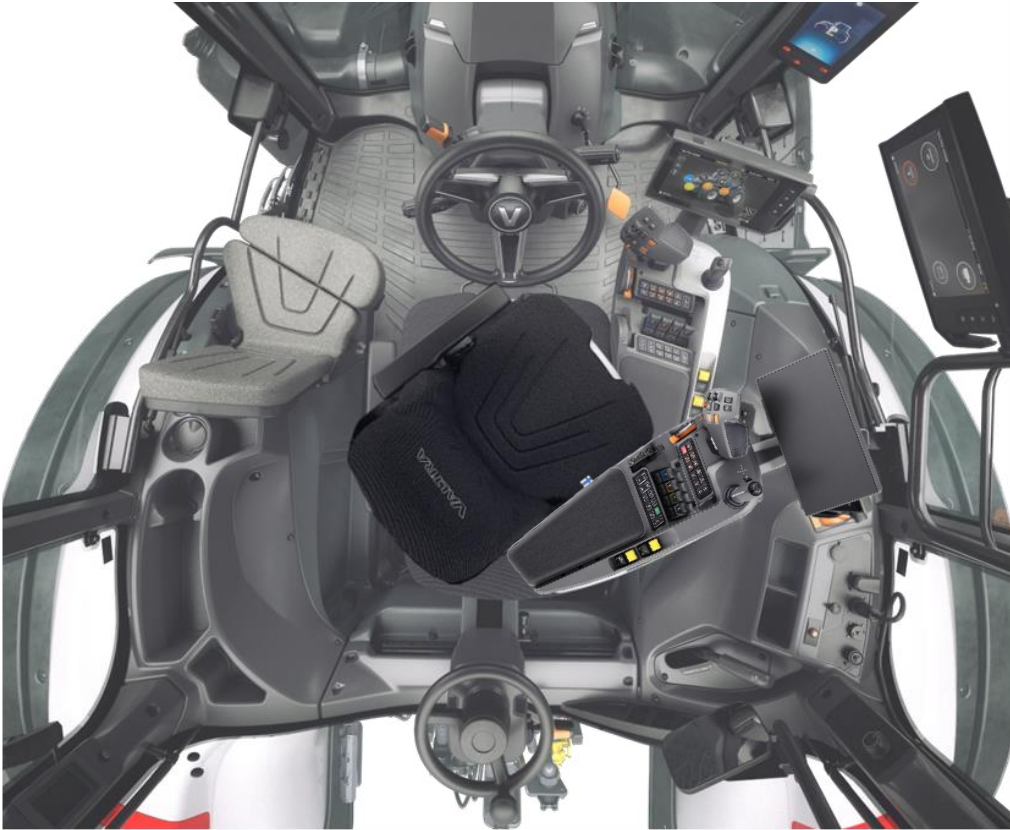
Radio and Phone Control

- Controllable **Equalizer**
- Phone call **popup** on screen
- **Phone book** access
- Call **history**
- Only available in **SmartTouch Gen2**



- + All key machine functions are fully integrated into the user interface and directly accessible via the SmartTouch Gen2 armrest
- + Centralized control interface with all essential features in one system
- + Fully integrated into the armrest for intuitive operation

DRIVER SEAT



- + Seat rotation lock positions: **30° / 40°** angles on righthand side
- + Prevents contact with side console
- + Rotation range: To the left and up to 180° to the right

AIR SUSPENDED SEAT

- manual weight adjustments
- adjustable damper and longitudinal suspension with locking function
- heated
- back rest can be easily extended



AIR SUSPENDED SEAT +

- wider and thicker cushion.
- lateral suspension
- manual lumbar adjustment
- automatic weight adjustment
- heated
- back rest can be easily extended



EVOLUTION SEAT

- Cooling and heating,
- lumbar adjustment with air
- anthracite layer offers easily the best comfort in class.
- automatic weight detects the weight of the driver



CAB CONFIGURATIONS 1/2



Base Cabin

- Designed for agricultural and municipal applications
- **Roof-mounted air conditioning system** to maximise usable space on the cabin floor
- **Flat floor design** for improved comfort and ease of movement inside the cab
- **270-degree front window wiper** for excellent visibility in all working conditions
- **Heated rear window** for clear rear visibility in cold or humid conditions
- **Acoustically laminated and heated front windscreen** for reduced noise levels and improved visibility
- **Available with Twintrac** revers driving station



High Visibility Roof

- Roof window integrated into the cabin design
- Openable **roof window** to allow fresh air into the cabin
- Designed as an emergency exit for safe evacuation from the cab
- Optimised for **front loader applications**, providing excellent visibility to the loader and attached implements
- Manufactured from durable **polycarbonate glazing** for high impact resistance and long service life
- **Available with Twintrac** revers driving station



“Skyview” Cabin

- Designed with **forest and municipality** contractors to match their needs
- **Forest protection (in tractor paint)** bar and large polycarbonate window with viper & washer available
- **Roof window wiper**
- **Available with Twintrac** revers driving station

CAB CONFIGURATIONS 2/2



Twin Trac Revers Driving Station

- **Rear operator position inside the cab**, positioned close to the implement for optimal control
- **Large glass surfaces** providing excellent visibility to rear-mounted implements
- **No compromise to forward driving operations** when the rear position is not in use
- **All controls rotate together** with the driver's seat and armrest for intuitive operation
- **Engine remains running while switching positions**, ensuring uninterrupted workflow
- **Fully compatible with other options**, including a co-driver's seat
- **Drive-by-wire system with electronic steering valve** for smooth and precise control
- **Up to 12 % faster operation** and **11 % higher fuel efficiency** when working in reverse compared to conventional forward operation (TTS – Work Efficiency Institute of Finland)
- **Reduced physical strain**: operators do not need to twist their necks or look over their shoulders while working
- Maximum speed is **25 kmh**

- + Unique Valtra feature enabling optimal visibility to rear-mounted implements
- + Cab layout specifically designed around reverse work, ensuring sufficient space and usability
- + Dedicated reverse driving station for efficient and safe rear operation
- + Only tractor brand in the **150–245 hp segment** offering a factory-fitted reverse driving solution



CABIN FILTRATION



Standard Cabin Filter Category 2

- **CAT2** cab air filtration, providing protection against dust and airborne particles
- Lifetime is lower compared to HD Variant
- **197,82 mm²** Cleaning surface



Category 2 HD Filtration

- Heavy-duty filter design, allowing **longer service intervals** in dusty operating conditions vs the Standard Cabin Filter **+27,9%** cleaning surface
- **252,96 mm²** Cleaning surface
- **Increases** the Cabin **roof size** also visual
- **600h** Service interval remain



Category 4 Filtration

- 99% separation of **aerosols and particles** for cleaner air in the driver's cab, also suitable for use with pesticides
- **Increases** the Cabin roof size also **visual**
- **252,96 mm²** Cleaning surface

- + Maximum operator protection against particles, aerosols, and pesticides
- + Heavy-duty (HD) filter with extended service life compared to standard filter **+27,9%** more cleaning surface
- + Reduced downtime and lower operating cost per hour

GLASS SURFACE



Wipers and Washer

- **270° windscreen** wiper for maximum forward visibility
- Front wipers operated via a **single control stalk** for intuitive handling
- **180° right-hand** side window wiper to maintain visibility to side-mounted implements optional
- Roof window wiper included with SKYVIEW for clear upward visibility
- Washer nozzle integrated **into the wiper arm** for efficient cleaning

Glass Surface

- Very **narrow cab pillars** for an unobstructed all-round view
- Large, **convex glass surfaces** to maximise visibility in all working directions
- **High-visibility roof window** for excellent view to front loader and raised implements
- Extensive window surface of 6.22 m², providing outstanding all-round visibility
- **Screwed-in windows** for fast and easy replacement, reducing downtime
- Optional **acoustically laminated** and heated front windscreen for reduced noise levels and clear visibility in cold conditions
- Optional **heated rear window** for improved rear visibility in all weather conditions
- Side and rear windows available in **polycarbonate for increased safety** in demanding applications such as mulching



(Window wiper Workrange)

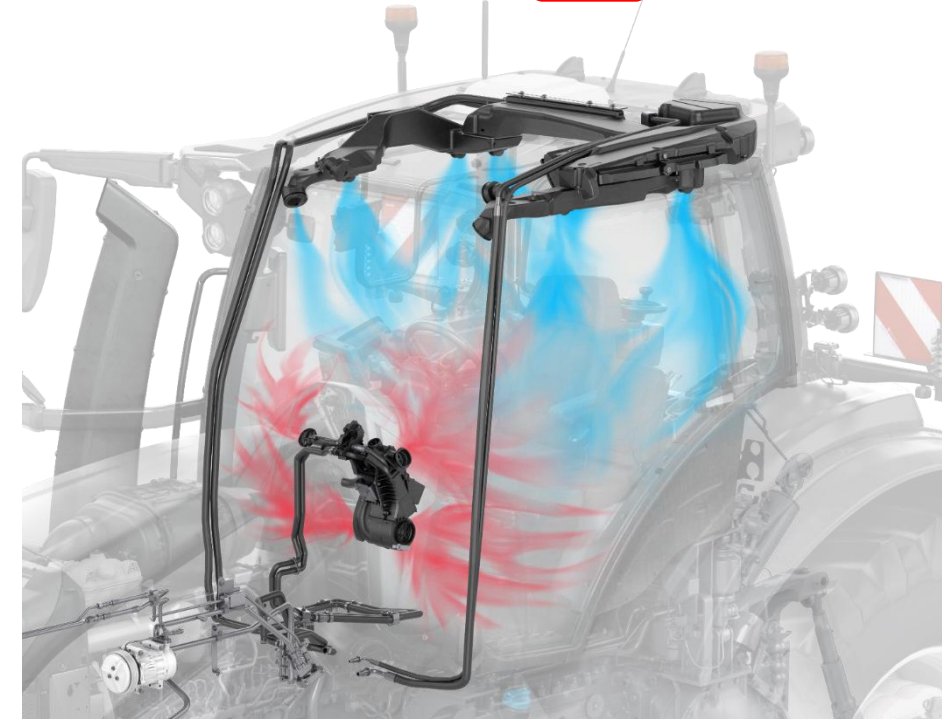
- + **Outstanding all-round visibility:** Large glass surface (6.22 m²) + narrow cab pillars
- + **Maximum cleaning performance:** 270° front wiper + integrated washer in wiper arm
- + **Clear view in all conditions:** Heated/laminated windows + high-visibility roof window

AIR-CONDITION 1/2



Automatic / Manual Air Condition

- **12 air outlets integrated** into the cabin roof and steering column for even air distribution throughout the cab
- Climate system validated for **ambient temperatures up to 45 °C**, ensuring reliable performance in demanding conditions
- Heating nozzles positioned low in the cabin to provide effective heating in the **footwell area**
- Optimised cabin air-filter integration for efficient airflow and easy maintenance
- **Roof-mounted** air conditioning unit, allowing a flat cabin floor design for improved comfort and freedom of movement
- Rooting of the Air Condition with Winter and Summer mode for better efficiency and better Air flow



- **Efficient air distribution:** 12 air outlets ensure even airflow throughout the cab
- **Reliable performance in extreme conditions:** Climate system validated up to 45 °C
- **High comfort level:** Roof-mounted AC enables flat floor design and more space
- **Optimized airflow & maintenance:** Integrated air filter system for efficiency and easy service

TERMINAL MOUNTING



Tech Rail and Attachement System

- **Terminal mounting on the rear side of the Active Gen2 armrest** for a clean and ergonomic setup
- **Integrated Tech Rail** for flexible mounting of terminals and control units
- **Compatible with RAM® mounting systems** for maximum flexibility and third-party integration
- **Designed to ensure excellent visibility**, with no obstruction from reversing mirrors
- **Additional terminal mounting solutions available via Unlimited Studio**



- + **Ergonomic and clean setup:** Terminal mounting integrated on MidSpec armrest
- + **Maximum flexibility:** Tech Rail + RAM® compatibility for various terminals and third-party integration
- + **Unobstructed view:** Optimized positioning ensures excellent visibility without interference



REAR VIEW MIRROR



Standard mirrors

- Main Mirror and Arm is only mechanical adjustable – Easy to remove for Forrest application



Electric mirrors with Heating
(64052000)

- Main Mirror is electronical adjustable
- Arm is only mechanical adjustable



Electric mirrors with telescopic function with Heating (64082900)

- Main Mirror and Mirror Arm is electronical adjustable



(Standard Mirror Size)



(Electric Mirror Size)



(Mirror Controls)

- + Maximum safety through clear visibility of rear working areas and implements
- + Faster and easier implement coupling, increasing productive working time
- + Reduced operator stress thanks to extended mirror coverage and improved visibility

MUDGUARDS



Forrest Mudguards
(64085600)

- 2180 mm wide



Standard Mudguards
(64085700)

- 2280mm wide



Wide Mudguards
(64085800)

- 2550mm wide



Extra Wide Mudguards
(64293300)

- 2850mm wide

- Mudguards available for all application requirements
- Extended design covers the full tire, including the area between cab and entry
- Reduces dirt and debris build-up on cab, steps, and windows
- Vehicle homologation possible up to **3000 mm width**
- Telescopic wide-vehicle lights for flexible positioning
- Foldable light design reduces overall transport width
- Wide-vehicle plate in split (**50%**) design
- Foldable when not required to improve rear visibility



Extra wide vehicle lights
(64184800)

- Min 2,61 Max 2,85 wide
- Mandatory **exceeding** wide of **2550mm**

OVERVIEW

• Concept	01
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SMARTTOUCH GEN2 CONCEPT 1/2



Terminal Structure

- **12" display** with 800 × 1280 pixel resolution
- **Display Control Unit (DCU)** enables simultaneous display and operation across all terminals
- **Functions can be moved seamlessly** between terminals
- **Freely configurable interface** with up to **16 display layouts** available simultaneously
- **Acoustic feedback** (indication sounds) for features and functions

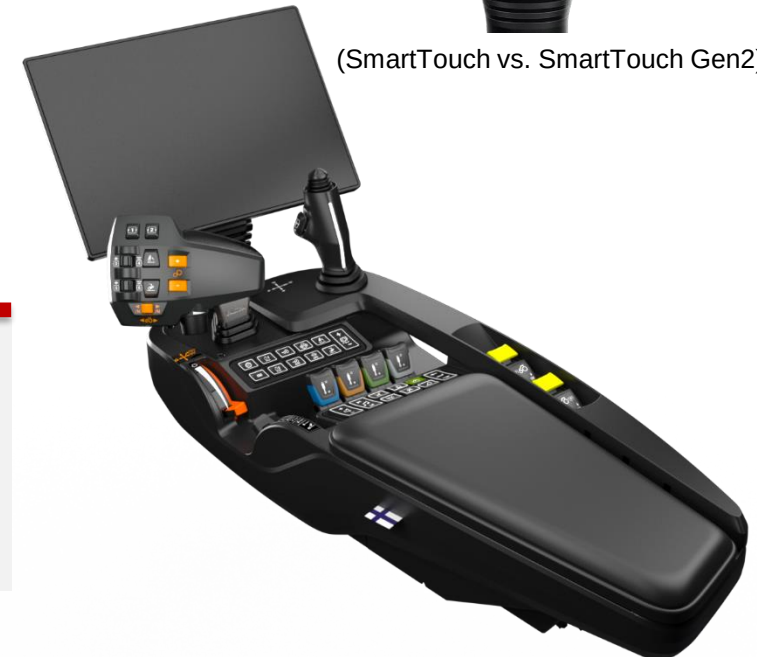
Control Interface

- **10 freely configurable memory buttons** for ISOBUS AUX, hydraulic functions and headland management.
- Up to 28 buttons available for ISOBUS AUX.
- Hydraulic joystick featuring an integrated **thumb joystick**, **4-way** programmable button, and **driving direction** change button
- Dedicated switch for selecting **driving modes**

- + **Terminal display** increased from 9" to 12" (+33% diagonal); resolution increased from 480×800 to 800×1280 pixels (~2.7× more pixels)
- + Display Control Unit (DCU) enables simultaneous display and operation across **multiple terminals** with seamless function **transfer between screens**
- + **Freely configurable user interface** supports up to 16 display layouts available simultaneously, allowing **adaptation to different tasks** and applications.
- + Intuitive **control interface** provides **ideal control layouts** for essential functions.



(SmartTouch vs. SmartTouch Gen2)



SMARTTOUCH GEN2 CONCEPT 2/2



Display Configuration

- User profiles are **easy to create**, with **quick access** to switch between **individual profiles** for different implements or drivers
- **Freely configurable driving displays**, combined with a **dedicated physical** button for fast return to change settings
- Existing SmartTouch users benefit from a **familiar UI**, making the system easy and intuitive to adapt to

Control Interface

- All buttons and controls are conveniently positioned and **ergonomically** designed for comfortable, fatigue-free operation
- **Intuitive user interface**, inspired by smartphone-like interaction
- **Tap and swipe** gestures for quick switching between work screens and functions
- **Proportional** control of the 3-point linkage for precise implement operation
- All hydraulic valve controls are fully proportional and can be reassigned as memory buttons or **ISOBUS AUX** functions

- + User profiles enable fast switching between drivers, implements, and operating conditions.
- + Configurable driving displays with a dedicated physical button provide quick access to key settings.
- + SmartTouch-based user interface ensures familiar operation and consistent control logic across functions.
- + Ergonomic, proportional controls with full ISOBUS AUX reassignment support precise, low-fatigue operation.



ACTIVE GEN2 CONCEPT 1/2



Terminal Structure

- **12" display with 800 × 1280 pixel resolution** when ISOBUS Terminal or Smart Farming functions are active.
- **A-pillar screen displays high-resolution graphics and guided instructions** during function selection.
- **Context-specific pop-up messages on the A-pillar screen** provide immediate feedback, e.g. when activating stationary PTO mode.

Control Interface

- **10 freely configurable memory buttons** for ISOBUS AUX and hydraulic functions.
- **QuadMemory pad with four configurable buttons**, assignable to predefined system functions, Valtra Unlimited functions, or customer-specific relay-controlled functions.
- **Smart joystick identical to SmartTouch Gen 2**, ensuring consistent operation across platforms.
- **Proportional hitch control via roller switch** enables precise linkage operation during field work and implement attachment; basic headland management functions can be configured.



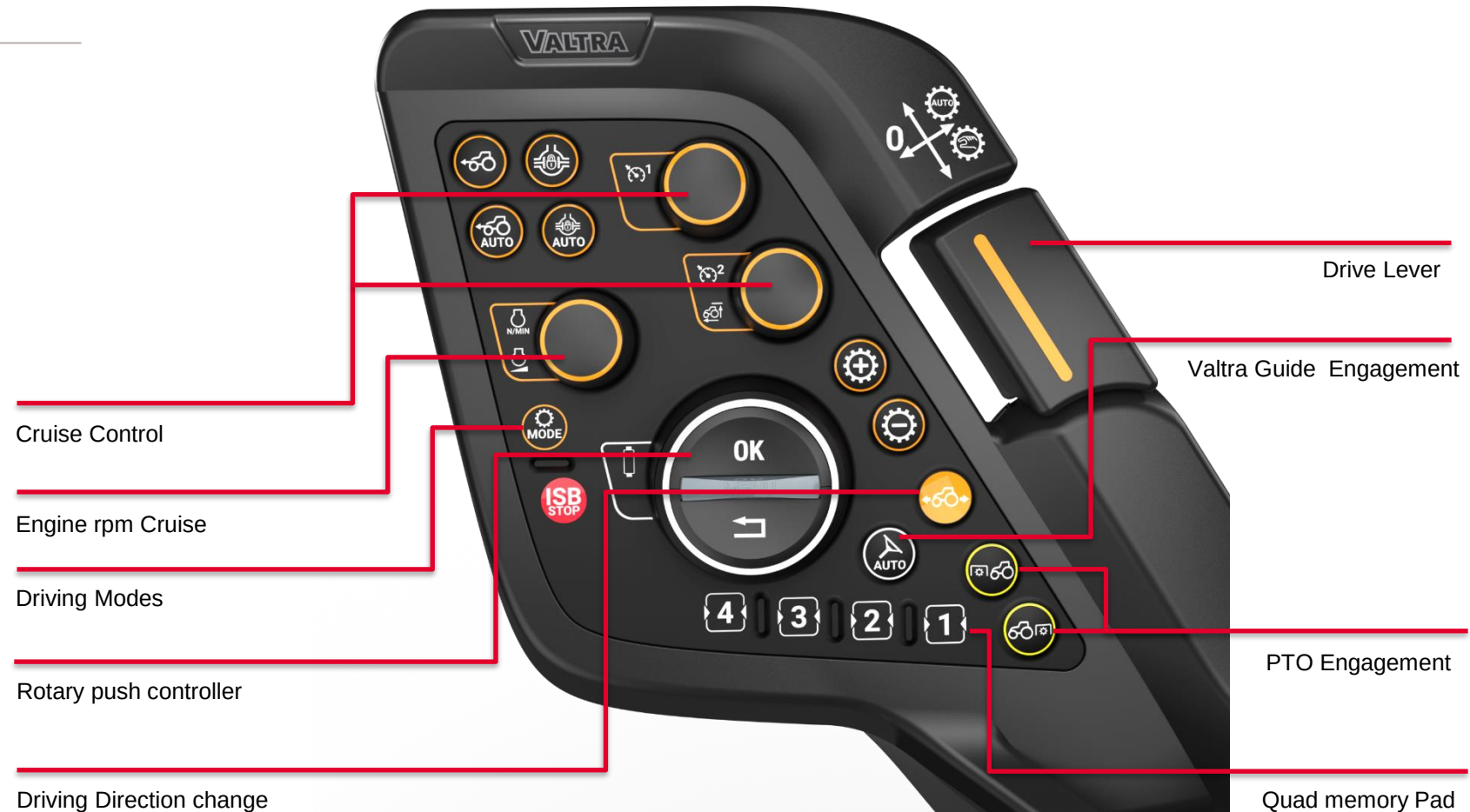
- + Reduced operating errors thanks to guided instructions and context-specific pop-up messages during function activation.
- + Flexible and efficient control logic with freely configurable memory buttons.
- + Precise and consistent machine control using a SmartTouch Gen2 joystick and proportional hitch control for field work and implement attachment.
- + Easy-to-use and intuitive control interface

ACTIVE GEN2 CONCEPT 2/2



Control Interface

- All buttons and controls are **ergonomically positioned**, ensuring comfortable operation for **all hand sizes**.
- **Proportional drive lever**, like in SmartTouch Gen2, provides precise and intuitive **speed and direction control**.
- Reversing button is conveniently positioned for quick and **safe direction changes** during operation.
- **Color-coded buttons** support fast function recognition and reduce operating errors.
- Distinct **haptic feedback** and differentiated button shapes allow reliable operation **without visual confirmation**.
- Designed and manufactured in Finland, ensuring **high quality** and **durability**.



DRIVE LEVER 1/3



Active Gen2 Drive Lever

- The drive lever is designed for an upright hand position, enabling **full machine control via thumb** operation.
- The contact surfaces feature **anti-sweat** and **grip materials** for secure and comfortable handling.
- **Proportional drive lever** with full functionality equivalent to SmartTouch Gen2
- All key machine controls integrated directly into the lever for efficient one-hand operation
- **Power shuttle button** located next to the drive lever for quick direction changes
- **Two cruise speeds**, independently adjustable and fine-tunable during driving
- **Dedicated button** with distinct haptic feedback for intuitive operation without visual distraction
- **Wheel encoder for A-pillar** display control
- Armrest mounted on the seat for improved driving comfort and precise control, even in demanding applications
- Optional **Four dedicated memory buttons** for essential Headland Management functions

- + Full machine control via thumb on one lever → faster operation, less movement, increased productivity
- + Upright hand position, grip and anti-sweat materials + seat-mounted armrest → maximum comfort and control even in rough conditions
- + Same intuitive functionality as SmartTouch Gen2 → no learning curve, familiar and precise control behavior
- + Cruise speeds, Power Shuttle, button and memory keys → faster headland turns, better workflow, less operator workload



DRIVE LEVER 2/3



SmartTouch Drive Lever

- The drive lever is designed for a **relaxed hand position**, ensuring high **driving comfort**. The top surface features anti-sweat material with an integrated **grip zone** for secure operation.
- **Two** integrated **cruise speeds** on the lever (Headland / Field), adjustable independently
- Cruise speeds can be **fine-tuned** during operation via **thumb roller**
- Two proportional levers with 3 selectable functions:
 - Hydraulic control
 - ISOBUS AUX control
 - Headland Management (2 functions per lever)
- Rear linkage control with **draft function, quick lift and park position**
- Integrated **power shuttle** with neutral function
- Gear selection via plus/minus buttons
- **Two** dedicated programmable **memory buttons** (Headland Management), also assignable for ISOBUS AUX or other functions
- Drive lever can be used as **proportional** control including **kick-down** function
- Adjustable response behavior via **acceleration aggressiveness** setting in the terminal



- + Relaxed hand position with anti-sweat and grip materials reduces fatigue and ensures precise control in all conditions
- + Drive, hydraulics, ISOBUS AUX and headland functions integrated in one lever → fewer hand movements, higher efficiency
- + Proportional levers, programmable buttons and adjustable response allow adaptation to operator preference and application
- + Cruise speeds, kick-down and fine adjustment via thumb roller enable smooth operation and faster headland turns

DRIVE LEVER 3/3

Acceleration

- **Kickdown function** integrated in the drive lever for rapid acceleration on both road and field.
- **Proportional acceleration** control, providing smooth and intuitive speed adjustment similar to a drive pedal.

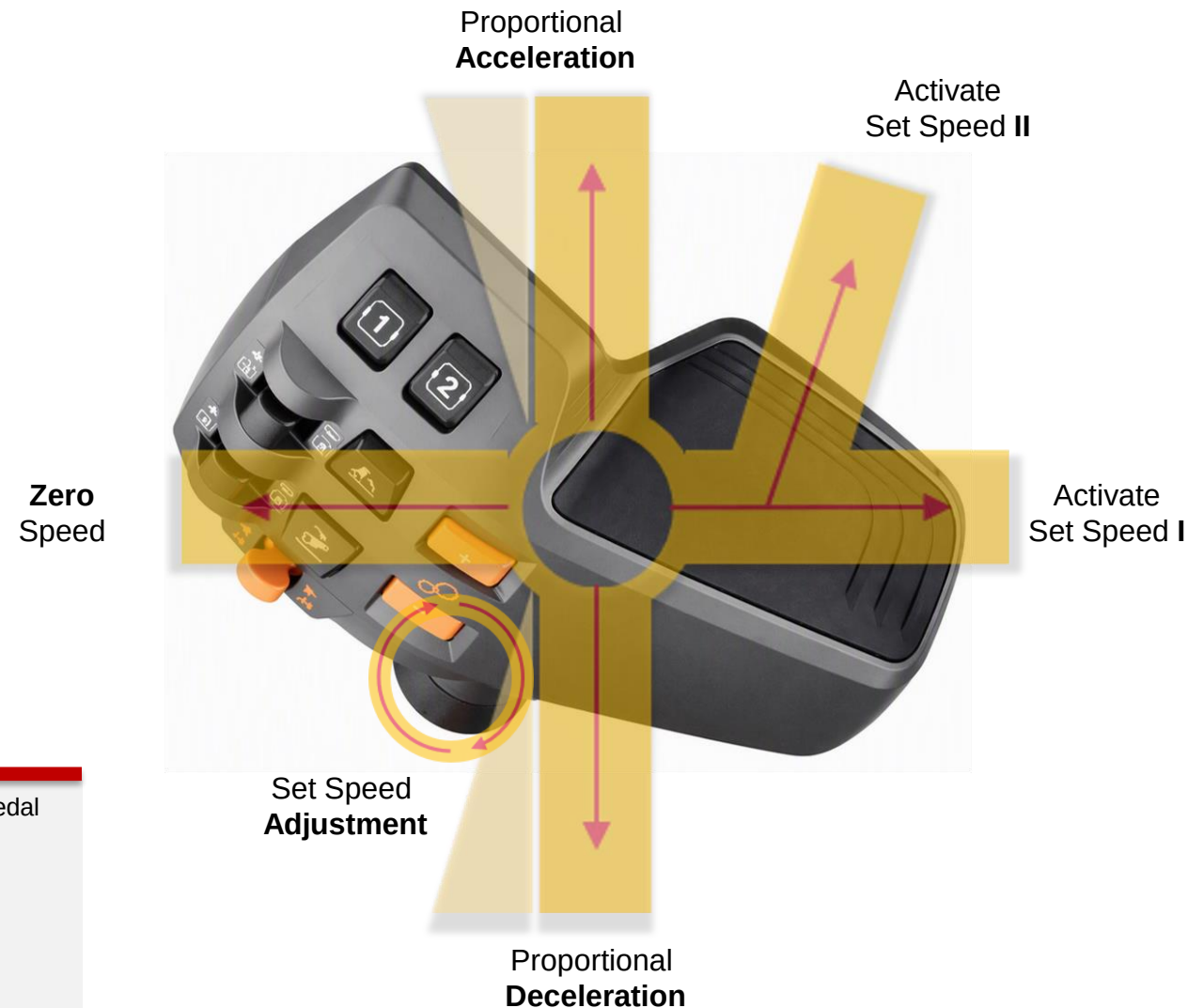
Deceleration

- **Proportional deceleration** via the drive lever for precise speed control.
- **Zero-position function** allows the machine to either come to a complete stop or coast freely, depending on operating requirements.

Set Speed Control

- **Two independent cruise control** memories can be preset in the SmartTouch terminal or updated directly with the drive lever by holding it for 3 seconds.
- **Dedicated Field Cruise Control** for working operations and Headland Cruise Control for turning manoeuvres.
- Both cruise speeds can be adjusted independently and fine-tuned on the go using the encoder wheel.
- **Fast and intuitive** speed management without the need to access terminal menus.

- **Proportional Lever Control** – Accelerate and decelerate naturally, just like using a throttle pedal
- **Two Dedicated Cruise Speeds** – Fixed Field and Headland cruise
- **Field Cruise & Headland Cruise** – The right speed for every situation at the Lever
- **Free-Roll Position** – Let the tractor coast naturally when needed
- **Adjustable Cruise Ramp** – Fine-tune acceleration response in the transmission settings
- **Encoder Wheel** for fine adjustment of cruise control



MEMORY AUTOMATICS 1/2



SmartTouch 2.0 Headland Automatics

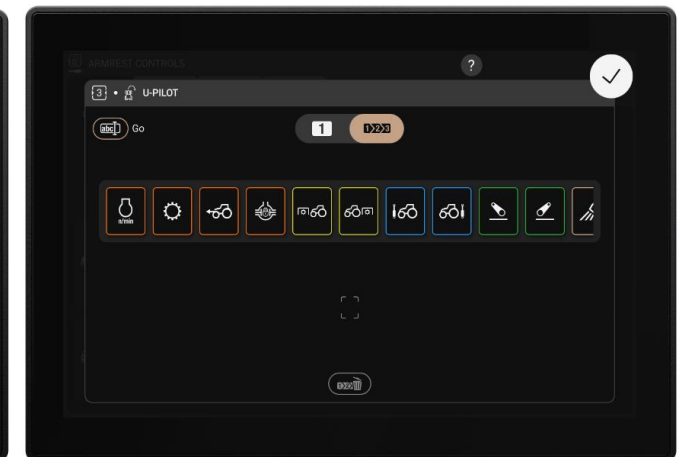
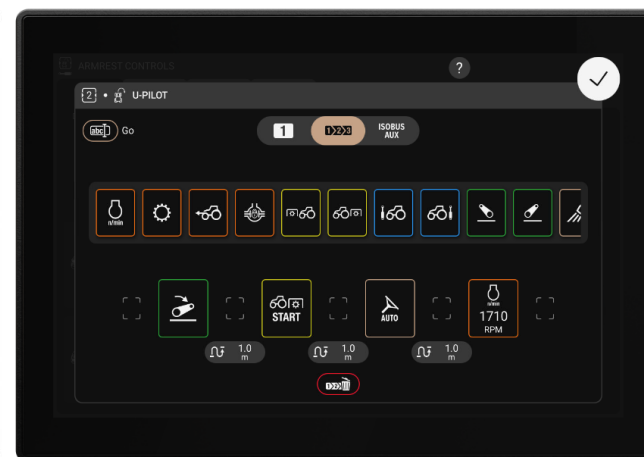
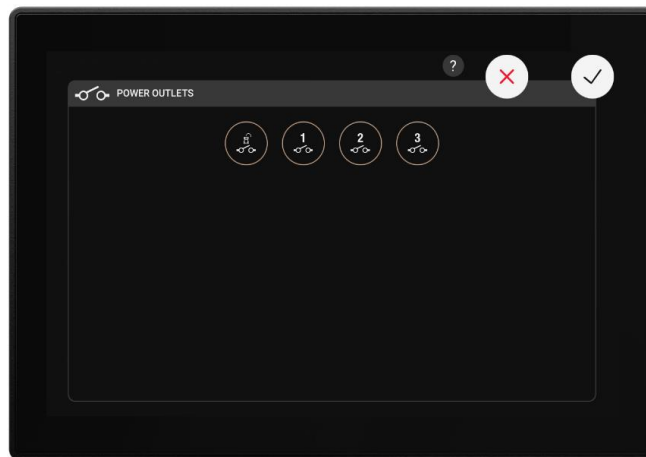
- **Simple headland management** system with intuitive **drag-and-drop** configuration. .
- **Sequences are named and stored** within the user profile
- Individual actions can be reordered or **deleted** using **smartphone-like interaction**.

Singel Action

- **Single actions** such as **manual counters** or external **power outlets** can be assigned individually.
- Individual actions can be reordered or **deleted** using **smartphone-like interaction**.

Sequence Action

- Flexible trigger options, including **distance-based** (meters) or **time-based** (seconds) activation



(Trigger for Power outlets)

MEMORY AUTOMATICS 2/2



Active Basic Headland Functions

- Selecto 3+4
- 4WD on/off
- Difflock on/off
- Quicksteer on/off
- on/off
- Front/Rear PTO start/stop
- PS gear up/down
- Worklight on/off
- Worklight set 1<->2 toggle
- Reversible fan single operation

Configurable Buttons/ Switch

- Individual functions can be configured, but no sequences can be created
- Functions can be assigned to the 4-way switch on the hydraulic lever or to the Quad Memory pad

- + Reduced hand movement and improved ergonomics – faster operation via Quad Memory pad
- + Customizable control layout – functions directly accessible on preferred controls
- + Faster reaction time in operation – key functions available instantly
- + Improved operator efficiency and reduced fatigue during long working hours



COLOR IDENTIFICATION



Colour Scheme

- All functions follow a **clear colour coding** concept, enabling fast identification and **intuitive operation**
- Consistent colour identification across **all Valtra models**, easy transition for operators switching between machines
- **Haptic buttons** with clear feedback for confident operation without visual distraction
- Same icon layout as SmartTouch Gen2 Armrest for a familiar and standardized user experience
- **Backlit switches** ensure clear visibility and safe operation during night work or low-light conditions

Yellow = PTO

Blue = Hydraulic

Orange = Engine/Transmission

Green = Linkage



- + Consistent colour coding and SmartTouch Gen2 icon logic - immediate familiarity across all Valtra models
- + Clear visual identification + haptic button feedback - safe operation without looking away from the work
- + Backlit switches ensure full functionality and visibility during night work or low-light environments
- + Standardized control logic across machines - faster operator switching, less training effort, higher efficiency

HYDRAULIC JOYSTICK



Hydraulic Joystick

- The ergonomic control lever is designed for all-day use, enabling **precise and simultaneous operation** of multiple functions with **optimized hand positioning**
- **Four** freely configurable **memory buttons** for ISOBUS AUX and hydraulic functions
- Hydraulic joystick with **integrated thumb joystick** for proportional and precise control
- 4-way programmable button for flexible function assignment
- Integrated **driving direction change** button for efficient operation
- Conventional 4-way hydraulic joystick, ideal for applications such as front loader work
- Optimized ergonomic design with all key functions operated **via thumb and index finger**
- Enables simultaneous control of multiple functions to increase efficiency and productivity

- + The control lever is designed for secure handling and precise operation over long working days, combining ergonomic design with advanced functionality.
- + Anti-sweat surface with optimized grip for secure handling during extended operation
- + Lever supports up to 8 proportional hydraulic functions for maximum flexibility
- + Four dedicated memory buttons with haptic feedback and acoustic indication for clear operator confirmation
- + Dedicated reversing button for quick and reliable activation and deactivation



A-PILLAR DISPLAY 1/2



A-Pillar Display SmartTouch

- The display is designed for clear information structuring and intuitive operation, ensuring **maximum visibility** and **minimum operator distraction**.
- Display divided into **three zones** for structured presentation of machine and application data
- Two zones freely configurable for counters, tractor information or user-defined data
- Full display control integrated into the SmartTouch Gen2 user interface
- Positioned at eye level to minimize head movement and maintain optimal visibility to bonnet and front wheels
- Anti-reflective design prevents glare and reflections under direct sunlight
- Automatic dimming function adapts brightness to ambient light, reducing driver irritation during road transport and improving safety

- + Maximum visibility, minimum distraction
Eye-level positioning and clear 3-zone layout → all key information in view without losing focus on the job
- + Fully customizable for every application
Freely configurable display zones → operator sees exactly what is needed, when it is needed
- + Seamless and intuitive operation
Integrated SmartTouch Gen2 control → familiar, fast and error-free interaction
- + Reliable in all lighting conditions
Anti-reflective surface + automatic dimming → perfect readability day and night, improved safety on road and in field



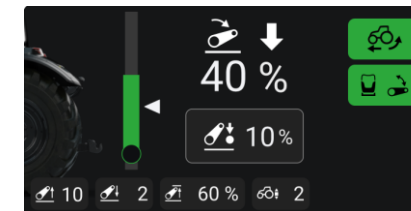
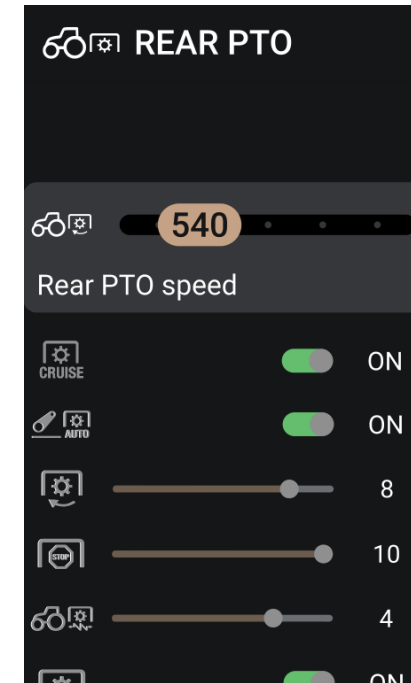
A-PILLAR DISPLAY 2/2



A-Pillar Active Gen2

- **Graphical view specifically** designed for Active Gen2, clearly differentiated from SmartTouch Gen2
- Relevant settings automatically appear on the terminal when functions are activated via the armrest
- **Dedicated drive display** for key functions such as hydraulics ensures quick access and control
- **Structured display design** enables intuitive operation, **maximum visibility**, and minimal operator distraction
- Screen placed at eye level to reduce head movement and maintain clear view of bonnet and front wheels
- **Anti-reflective** surface minimizes **glare and reflections**, even in direct sunlight
- **Automatic dimming** adjusts to ambient light, improving comfort and safety during transport
- Flexible information zones: **Two freely configurable areas** for counters, **tractor data**, or user-defined information

- + Intuitive operation: Context-sensitive display shows relevant settings automatically when operating via armrest
- + Clear visibility: Eye-level positioning and structured layout ensure minimal distraction and optimal overview
- + Excellent readability: Anti-reflective screen and automatic dimming provide perfect visibility in all light conditions
- + Flexible information display: Two freely configurable zones for counters, tractor data, or user-defined information



(Drive Display)



SPLIT SCREEN



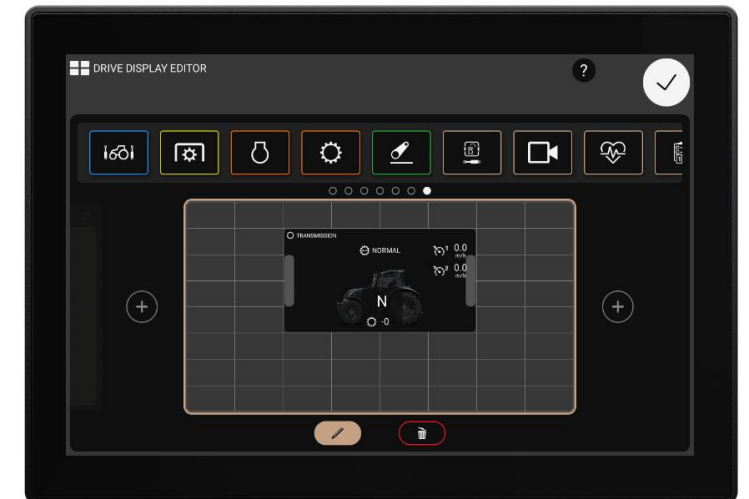
Split Screen SmartTouch

- Split-screen functionality with **quick access** to all **essential tractor** functions
- Fully **configurable screen layout** based on operator preferences and task requirements
- Up to **16 customizable tiles** for clear and **organized function** overview
- **Real-time tractor** and **ISOBUS** implement data displayed simultaneously for improved control

Set up

- **Customizable tile sizes** based on operator needs and task requirements
- Intuitive **drag-and-drop** functionality for quick screen setup
- Easy **resizing via tap and swipe** gestures
- Seamless switching between work screens for efficient operation
- Settings stored in **operator profiles** for consistent workflows
- **Direct navigation** to functions via double-tap on tiles

- + **One-screen control:** All key tractor and implement functions accessible in a single, clear view
- + **Fully adaptable to the operator:** Screen layout customized to individual preferences and tasks
- + **High information density without complexity:** Up to 16 tiles for a structured and easy overview
- + **Better decision-making:** Real-time tractor and ISOBUS data displayed simultaneously



LINKAGE CONTROL 1/2



Front linkage Control

- **Fully configurable** assignment of all proportional controls for **precise adjustment**
- Target positions can be stored **and recalled via Headland Management** memory buttons
- Adjustable maximum lifting height and lower limit position
- Defined **setpoints** for the front linkage
- **Integrated pressure control** for the front linkage

Rear Linkage Control

- **Dedicated linkage controls** integrated into the drive lever for fast and intuitive lifting and lowering
- Precise control via adjustable draft and slip control for optimal traction and implement performance
- Adjustable **lifting and lowering speed** for smooth and accurate implement handling
- Real-time linkage position displayed on the screen for full operational awareness
- Integrated ride control (oscillation damping) for improved comfort and stability during transport



- + Maximum flexibility: Fully configurable proportional controls for precise and intuitive operation
- + Time-saving automation: Target positions stored and recalled via Headland Management
- + High accuracy: Adjustable lifting height and lower limits ensure repeatable positioning
- + Enhanced performance: Integrated setpoint and pressure control for optimized implement handling

LINKAGE CONTROL 2/2



Dual control modes: Lever mode and wheel mode

Lever mode operation:

- Rear linkage is controlled directly via the control lever
- Work position is adjusted using the control wheel

Lever movements:

- Forward movement: rear linkage lowers (activates lever mode)
- Rearward movement: rear linkage raises
- Over forward detent: moves automatically to predefined work position (switches to wheel mode)
- Over backward detent: moves to transport position
- Side movement (right): activates float function

Wheel mode operation:

- Rear linkage position is controlled via the control wheel
- Scrolling forward lowers the work position; scrolling backward raises it
- Rear linkage moves continuously until the selected position is reached

- + Dual operation via lever mode and wheel mode for intuitive and precise linkage handling
- + Automatic movement to predefined work and transport positions via detent functions
- + Fine control of working position via control wheel with continuous movement to target position



(Rear Linkage Control Lever)

(Rear Linkage Control Wheel)



WORK LIGHTS

Light

- Individual light selection independent of other lights
- “Coming Home” function with adjustable timer for safe access to workshop or building
- Highway beam automation enabling simultaneous activation of multiple work lights
- Automatic corner lights activated during steering
- Beacon light automatically activated above 25 km/h
- Reversing light automation with configurable preselection
- Quick Set button for front or rear – activate all relevant lights with one tap
- Light Memory function to store preferred lighting presets

- + Maximization of working time and machine utilization through optimal illumination even in darkness – less dependent on daylight
- + Lighting adjustment at the touch of a button depending on the situation (without interrupting work) thanks to four storable profiles
- + Safe entry and exit with glare-free mounting thanks to automatic switching on and off of the lights at the access point



HYDRAULIC BUTTONS MUDGUARDS



Mudguard Controls

- Freely configurable mudguard controls for maximum flexibility
- Hydraulic functions can be assigned to rear "free" buttons
- Faster and more intuitive implement control from outside the cab
- Improves efficiency and convenience during implement hookup and operation

Higher efficiency → Faster implement setup

- Direct hydraulic control from outside the cab reduces adjustment time

Maximum flexibility → One setup fits all implements

- Freely configurable controls adapt to different use cases

Ease of use → Intuitive operation

- Functions assigned to rear buttons allow quick and simple handling

More productivity → Less back-and-forth

- Reduces climbing into the cab during coupling and adjustments



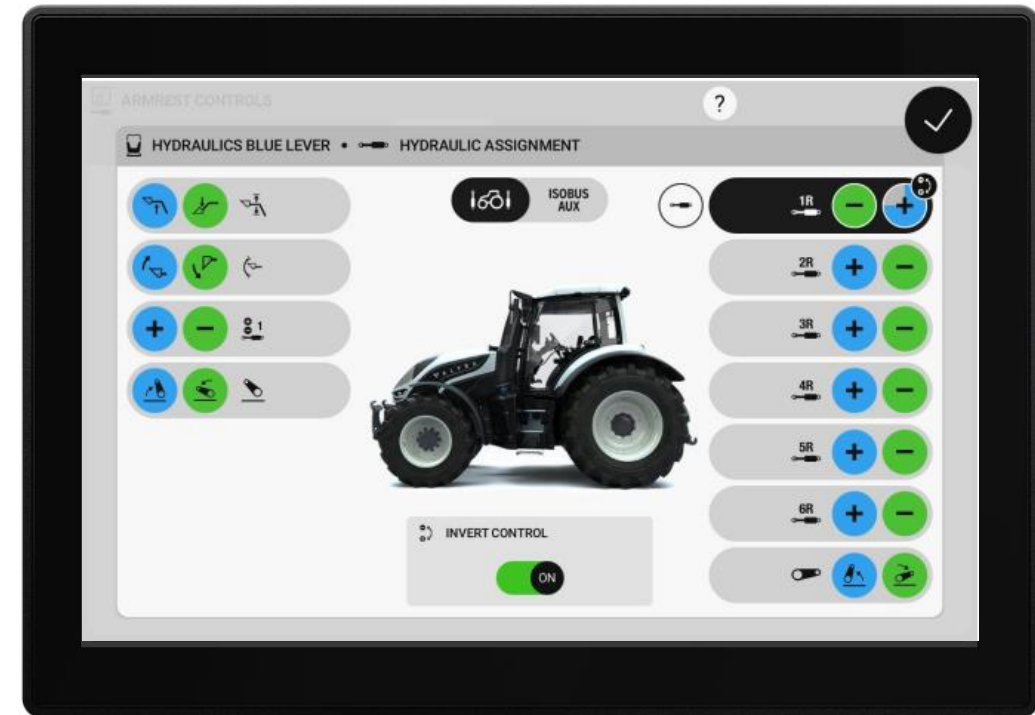
HYDRAULIC CONTROLS INTERCHANGE



Invert Hydraulic Controls

- Interchangeable hydraulic functions even if hoses are connected incorrectly
- Reduces connection time and setup effort
- No need for hose marking or color coding
- Prevents operator errors during implement hookup

- **Connect and go** – no need to identify or match hydraulic hoses.
- **Save time during implement changes** for higher daily productivity.
- **Less complexity for operators**, making every hookup simple and stress-free.

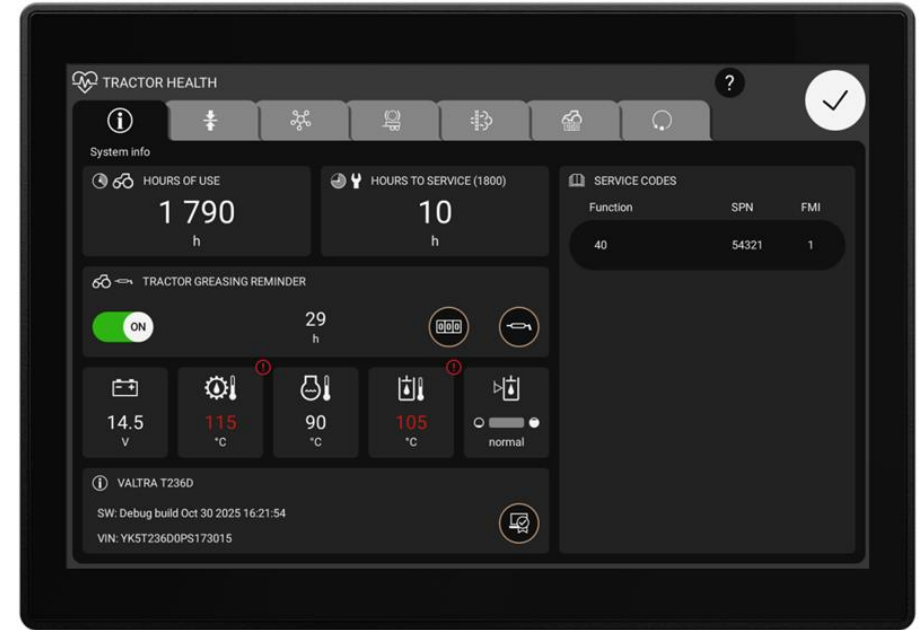


TRACTOR HEALTH



Machine Maintenance and Greasing

- Terminal provides automatic reminders for greasing intervals
- Displays remaining service hours clearly
- Integrated service page for monitoring and control
- Greasing timer can be easily reset after maintenance is completed



(Service Page)

Time saving → Faster daily maintenance

- Automatic greasing reminders reduce forgotten service tasks
- Minimizes manual tracking effort

Full control → Better service planning

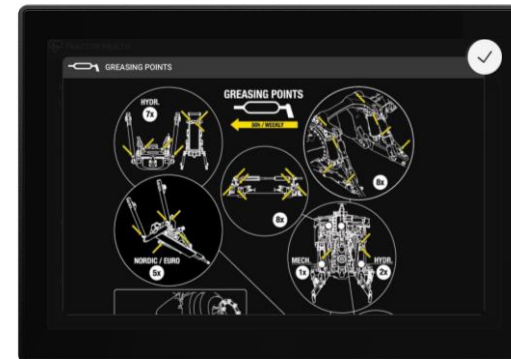
- Clear display of remaining service hours
- Helps schedule maintenance proactively

Easy handling → Less operator effort

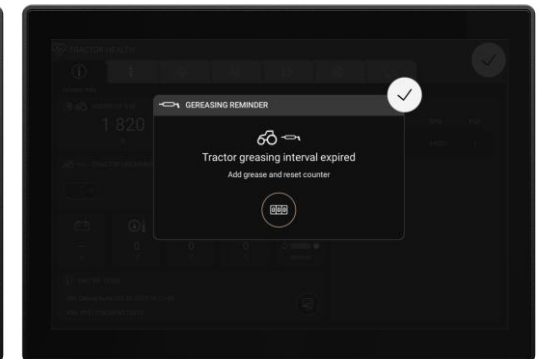
- Central service page in the terminal
- Quick and simple reset after greasing

Higher uptime → Reduced breakdown risk

- Regular maintenance ensured through reminders
- Protects components and extends tractor lifetime



(Greasing Page)



(Greasing Page)

OVERVIEW

• Front linkage Control	01
• Automatic Steering Axle	02
• Ground Speed Hydraulic	03
• Tractor Implement Management	04
• 4WD Assistant	05
• 4WD + Difflock Automatics	06
• Hill Hold	07
• Hydraulic Assistant	08
• Help Function	09
• Valtra Guide	10



FRONT LINKAGE CONTROL



Front linkage Control Package

- Dynamic control of front linkage draft relief pressure, maintaining a constant implement ground pressure (0.6km/h)
- Draft relief pressure can be set directly via the terminal
- Improve traction in demanding tasks like snow ploughing or tasks with front cultivators
- Keeps enough weight on the front axle of the tractor to keep the steering of the tractor precise



20% - 80%



50% - 50%

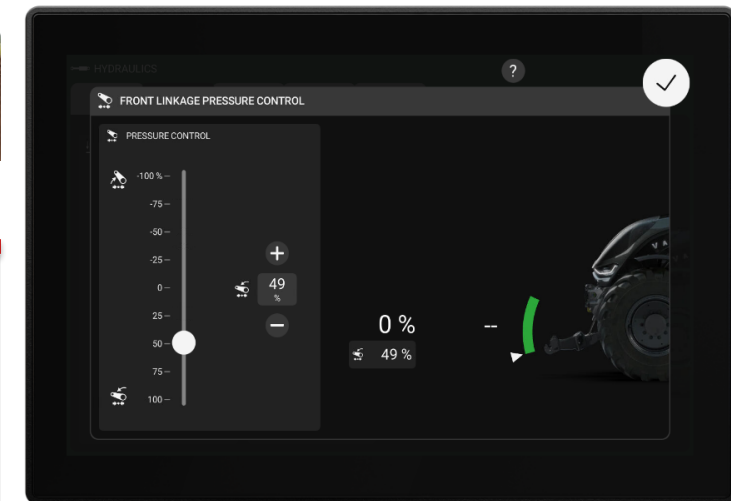


25% - 75%



60% - 40%

- + Optimized weight transfer to the front axle ensures maximum traction and steering control.
- + Consistent ground contact improves accuracy and work quality (leveling / clearing).
- + Reduced implement wear and lower risk of damage (e.g. obstacles, manhole covers).
- + Higher overall efficiency with smoother operation and potential fuel savings.



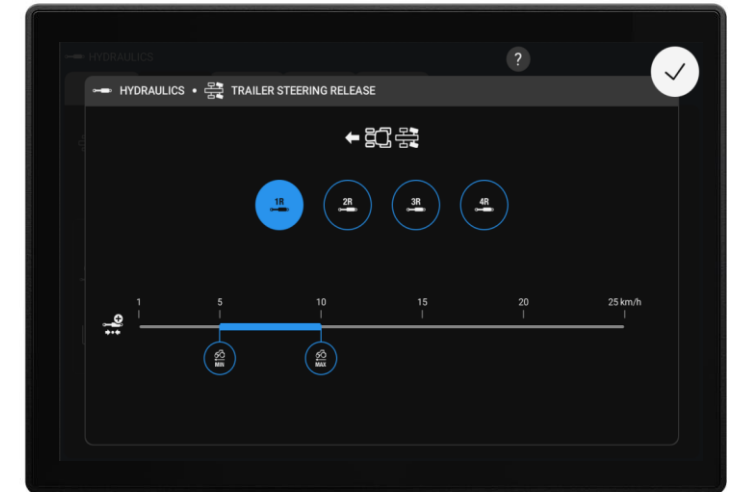
AUTOMATIC STEERING AXLE



Locking and Unlocking

- Automatic locking and unlocking of the trailer steering axle above and below definable speed ranges
- The steering axle is always locked when reversing
- Activation and adjustment of the speed range (lower limit: 0–3 km/h; upper limit: 10–25 km/h) as well as assignment of the hydraulic valve via the terminal
- Manual override of the automatic function possible

- + Significant reduction of driver workload and improved comfort
- + Reduced tire wear
- + Increased driving stability
- + Significant safety improvement
- + Prevention of accidents and damage
- + Easy operation



(Axle locked)
> 25km/h

(Axle unlocked)
< 25km/h

(Axle locked)
reversing

FLOW CONTROL



Flow adjustment depending on groundspeed

Seed drills (pneumatic)

- Fan speed directly depends on the oil flow
- Adjustment required depending on travel speed

Manure spreader (moving floor / scraper floor)

- Scraper floor speed controlled via oil flow
- Adjustment during driving to match spreading rate and forward speed
- Prevents over- or under-application

Loading wagon unloading (forage wagon)

- Moving floor (scraper floor) hydraulically driven
- Adjustable unloading speed depending on crop density and trailer filling
- Smooth and controlled discharge without blockages

Silage trailer / silage wagon

- Hydraulic floor and dosing rollers depend on oil flow
- Continuous adjustment required for uniform unloading
- Matching unloading speed to silage structure and bunker conditions

- + Precise control of material flow – oil flow directly defines transport speed
- + On-the-go adjustment ensures consistent output under changing conditions
- + Prevents blockages and overload by adapting to crop density
- + Improves unloading efficiency and reduces downtime



(Speed change without Groundspeed Hydraulic)



(Speed change with Groundspeed Hydraulic)

TRACTOR IMPLEMENT MANAGEMENT

Speed adjustment depending on Load

Baler (round / square)

- Crop intake and chamber load vary continuously
- Forward speed must be adapted to swath density
- Automatic speed control ensures uniform bale density and prevents overload

Mower + conditioner (front/rear combination)

- Crop volume changes depending on yield and terrain
- Manual speed adaptation required to avoid blockages
- Tractor adjusts speed to maintain optimal throughput and cut quality

Forage harvester trailer/Manure Spreader (push-off / scraper floor)

- Unloading capacity depends on crop density and floor speed
- Manual coordination with unloading process required
- Tractor speed synchronized with discharge rate → smooth unloading

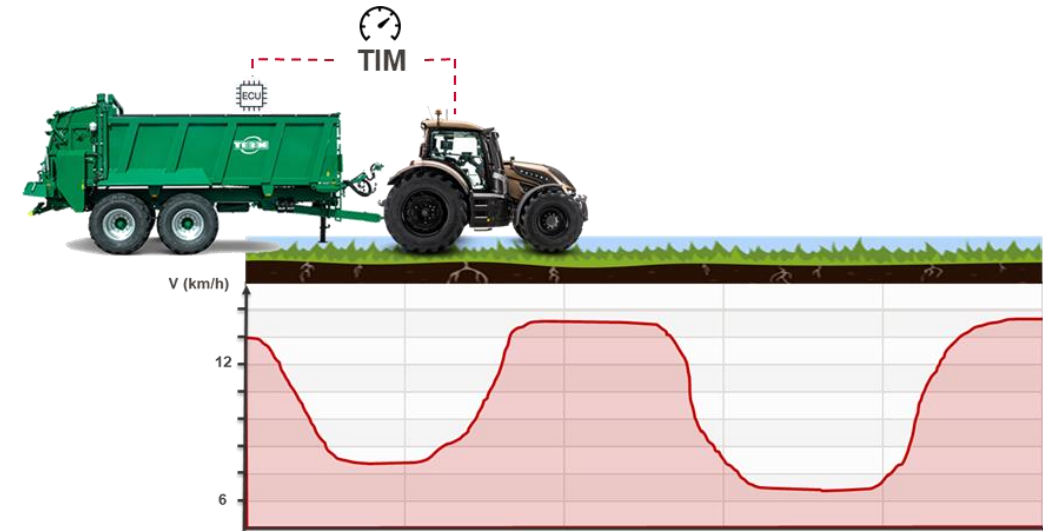
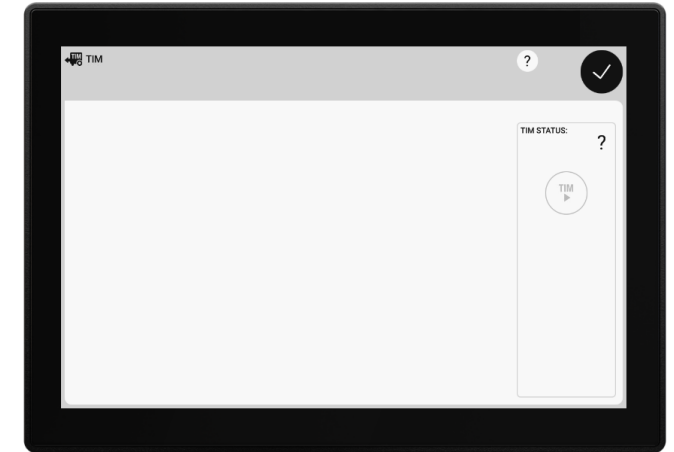
Potato / beet harvester (trailed)

- Harvesting efficiency depends on soil conditions and crop flow
- Forward speed must match separation and cleaning capacity
- TIM controls speed to avoid losses and machine overload

Slurry tanker (with injector / dribble bar)

- Application rate linked to ground speed and pump flow
- Precise dosing requires continuous adjustments
- Tractor speed controlled automatically to maintain exact m^3/ha

- Tractor and implement always working at optimal performance
- Less inefficiencies → more output per hour
- Speed and functions adjusted based on real working conditions
- Implement automatically controls tractor functions (e.g. speed, hydraulics)
- Easier for less experienced drivers



4WD ASSISTANT

Situation

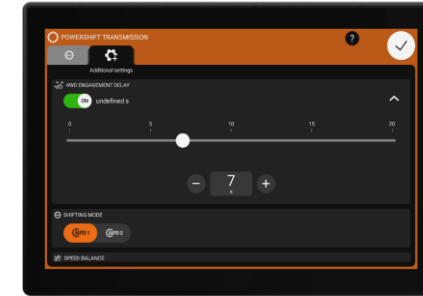
Handling heavy front loads (e.g. silage bales) reduces weight on the rear axle → loss of traction when reversing or changing direction.

Assistant effect

When shifting with the Power shuttle, the tractor automatically engages 4WD for a defined time.

Customer Benefit

- Improved traction during direction changes
No wheel slip when reversing with heavy loads
 - Protects the grass sward
Reduces wheel spin → less damage to grassland and less tire wear
 - Higher stability and control
Better grip on the rear axle despite load shift
 - More efficient loader work
Smoother direction changes → faster and safer operation
-
- Automatic traction when changing direction
4WD engages exactly when needed → no wheel slip with heavy front loads
 - Protects grassland
Reduced wheel spin → less damage to the sward
 - Improved stability and safety
Better grip despite rear axle unloading → more control in loader work



(without 4WD Assistant)



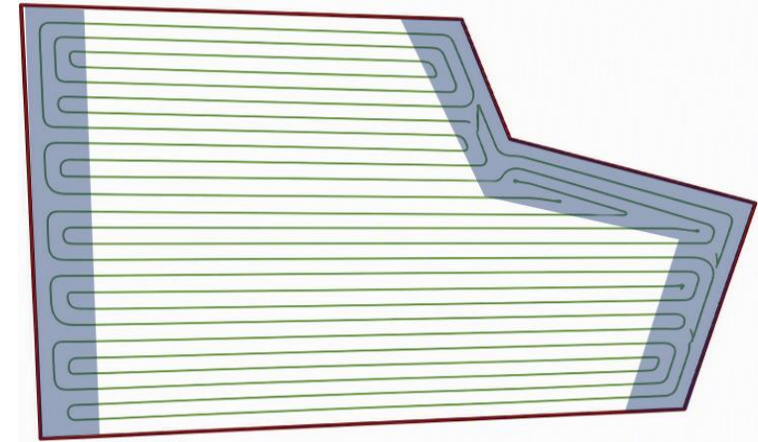
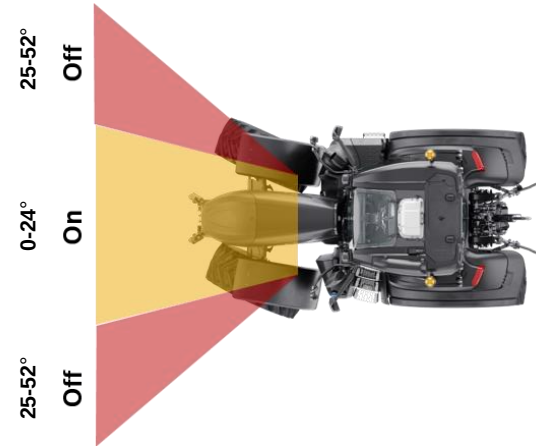
(with 4WD Assistant)

4WD + DIFFERENTIAL AUTOMATICS



Angle Base

- 4WD remains automatically engaged while driving in the field and is only disengaged when the steering angle exceeds 25°. This ensures maximum traction during field work while improving maneuverability during tight turns and headland operations.

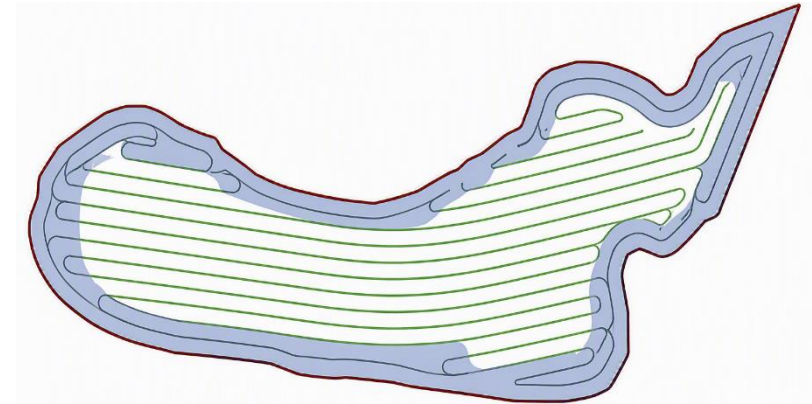


Linkage Base

- 4WD is automatically engaged when the rear linkage is in the working position. When the linkage is raised, 4WD is automatically disengaged to improve steering performance and reduce tire wear. This function is particularly beneficial in irregularly shaped fields where increased maneuverability is required during headland turns.



Off
On



- + Automatic 4WD engagement
- + Automatic differential lock control
- + Angle- or linkage-based automation
- + Optimized traction and maneuverability

HILL HOLD GEN.2



Hill Hold Function (Advanced)

- Active Standstill when pressing Brake pedal (without activating like previous with Parkbrake)
- No rollback when starting uphill
- Easier and safer operation with trailers and heavy loads
- Reduced driver stress at junctions and steep slopes
- Smooth starts using only the accelerator pedal
- Standard feature on Valtra Powershift tractors

Benefits

- **Hill Hold** is a standard transmission feature that prevents the tractor from rolling backwards (or forwards on a downhill slope) when starting on an incline. It makes hill starts safer and easier, especially with heavy implements or trailers.
- **For maximum safety on slopes**, Hill Hold automatically applies both the tractor's park brake and the trailer brakes, preventing unintended movement and ensuring confident hill starts.

- Hill Hold keeps the tractor stationary on slopes, allowing smooth and safe pull-away with just the accelerator pedal—no rollback, no stress.



(without Hill hold function)



(with Hill hold function)

AKTIV STANDSTILL CVT



Hill Hold Function

- No rollback when starting uphill
- Easier and safer operation with trailers and heavy loads
- Reduced driver stress at junctions and steep slopes
- Smooth starts using only the accelerator pedal
- Standard feature on Valtra CVT tractors

Benefits

- **Active Standstill** is a standard transmission feature that prevents the tractor from rolling backwards (or forwards on a downhill slope) when starting on an incline. It makes hill starts safer and easier, especially with heavy implements or trailers.
 - **For maximum safety on slopes**, Active Standstill stops the machine from rolling forward or Backwards. Operator doesn't need to press the break pedal when holding the machine on a hill
-
- Activ Standstill keeps the tractor stationary on slopes, allowing smooth and safe pull-away with just the accelerator pedal—no rollback, no stress.



(without Standstill function)



(with Standstill function)

HYDRAULIC ASSISTANT

Front loader material handling (grain, manure, silage)

Situation

Continuous loading with high cycle frequency and varying material resistance.

Assistant effect

Automatically increases engine RPM when hydraulic demand rises.

Customer benefit

- Constant hydraulic speed → faster loading cycles
- No manual throttle adjustment
- Prevents slow response under high load

Combined driving + lifting (uneven terrain / uphill)

Situation

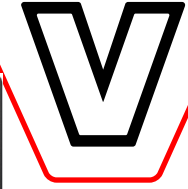
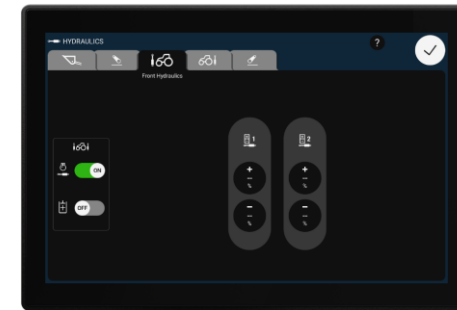
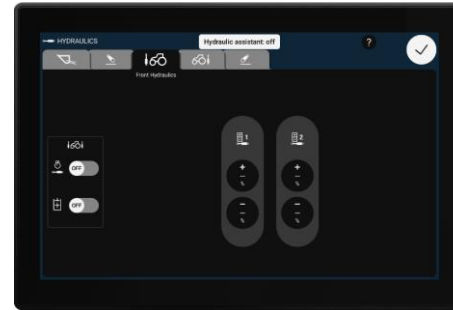
Driving and lifting simultaneously under high load (e.g. manure handling on slopes).

Assistant effect

Balances engine power between drivetrain and hydraulics.

Customer benefit

- Prevents engine stalling under peak loads
- Stable machine behavior in rough conditions



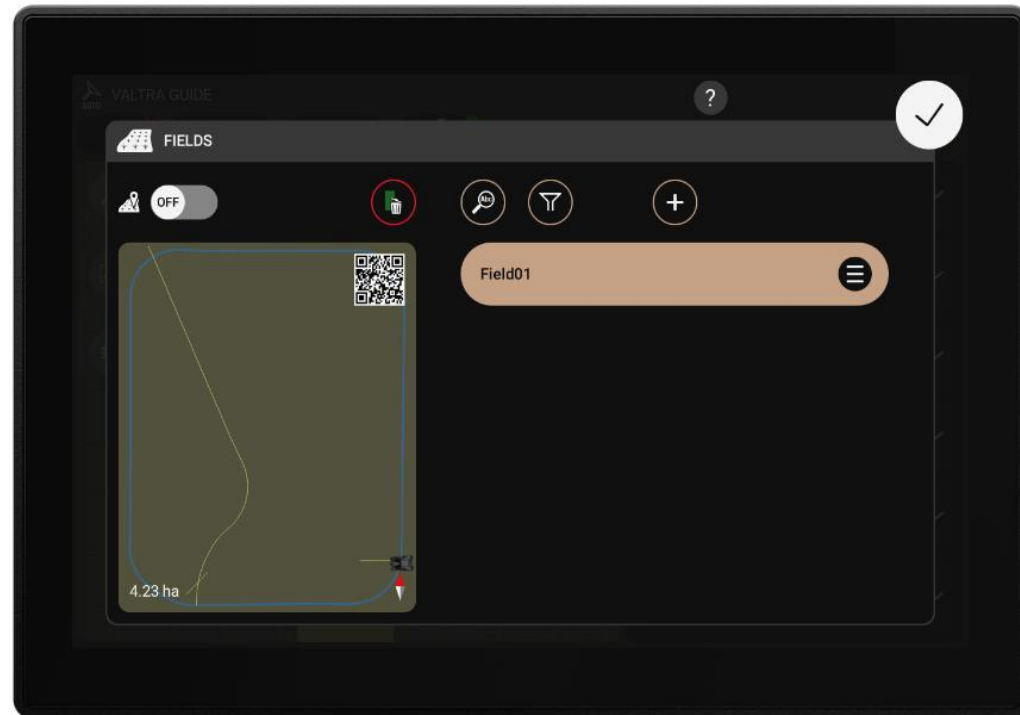
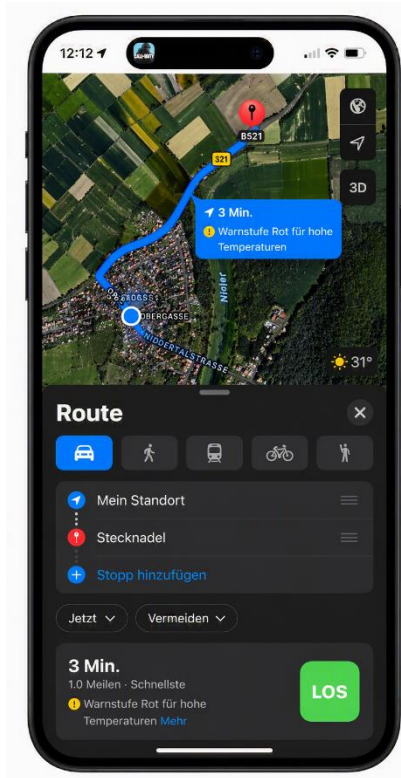
(Deactiv Hydraulic Assistant)



(Active Hydraulic Assistant)

- **Prevents engine stalling under load**
Automatic RPM increase during peak demand → safe operation when lifting + driving simultaneously
- **Higher efficiency and productivity**
Faster work cycles and less downtime → more material moved per hour
- **Reduced operator effort and fatigue**
No need to manage engine speed manually → easier, smoother and more comfortable operation
- Maintains traction and lifting performance

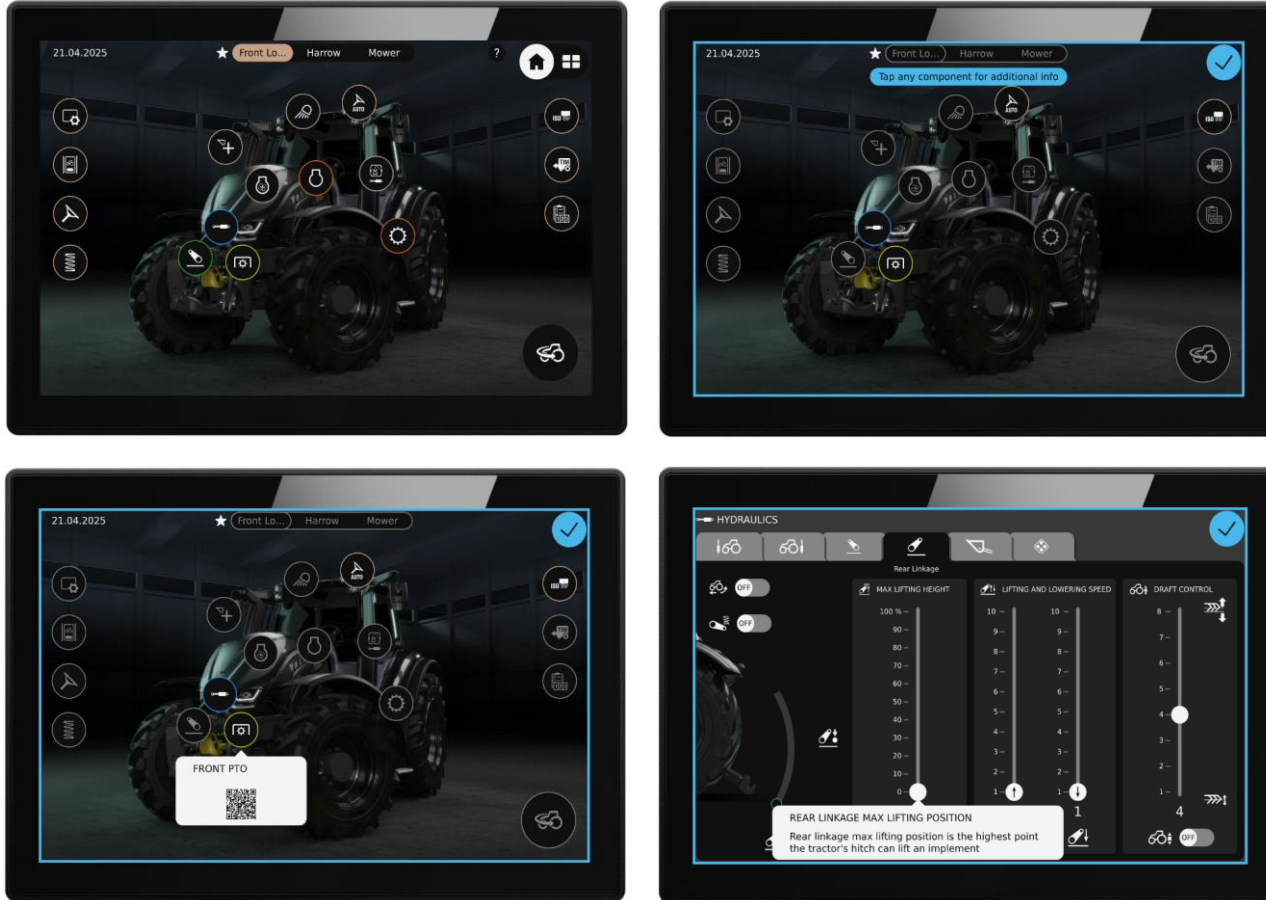
FIELD NAVIGATION



Navigation Support

- **QR code with field location (maps link)** → quick and precise navigation
- **Easy sharing via work task** → send location directly to contractor or partner
- **No searching needed** → reduces stress and saves time
- **Faster arrival on field** → improves efficiency and coordination

HELP FUNCTION



Easy-to-Use Help Function

Info Icon

- Quick introduction and short explanation for all UI components

QR Code (Mobile Access)

- Direct link to additional content on smartphone
- Videos and short texts explain features clearly
- Step-by-step guidance via video → easy to understand

On-screen Wizards

- Activated by swiping down
- Guide through key functions and main job steps
- Simplifies usage → intuitive and easy

LIGHT MANAGER



Automatic Corner Lights

- Corner lights activate automatically when steering.
- Improves visibility when turning.
- Illuminates headlands and junctions.
- Increased safety with no extra operation.

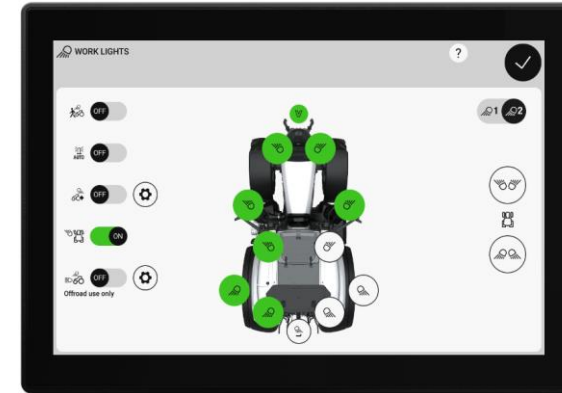
Singel Switch

- Control work lights individually.
- Prevents glare for nearby machines.
- Ideal when working next to forage harvesters or combines.
- Maximum lighting flexibility.

Coming Home

- Headlights stay on after engine shutdown.
- Illuminates the way to buildings or vehicles.
- Improves safety in dark conditions.
- Automatic switch-off protects the battery.

- Avoid blinding combines and forage harvesters.
- Switch individual lights on and off as required.
- Corner lights automatically illuminate turns.
- Coming Home lights guide your way in the dark.



Example how lights can be switched so combine driver gets not dazzled

VALTRA GUIDE



Valtra Guide

- **GPS-based auto-guidance system** that steers the tractor automatically and keeps it precisely on track.
- **Reduces overlaps and input costs**, saving seed, fertilizer, crop protection products, fuel, and working time.
- **Improves operator comfort and productivity** by reducing steering effort and driver fatigue.
- **Gateway to Valtra Smart Farming**, enabling advanced features such as Auto U-Pilot, SmartTurn, Section Control, Variable Rate Control, and TaskDoc

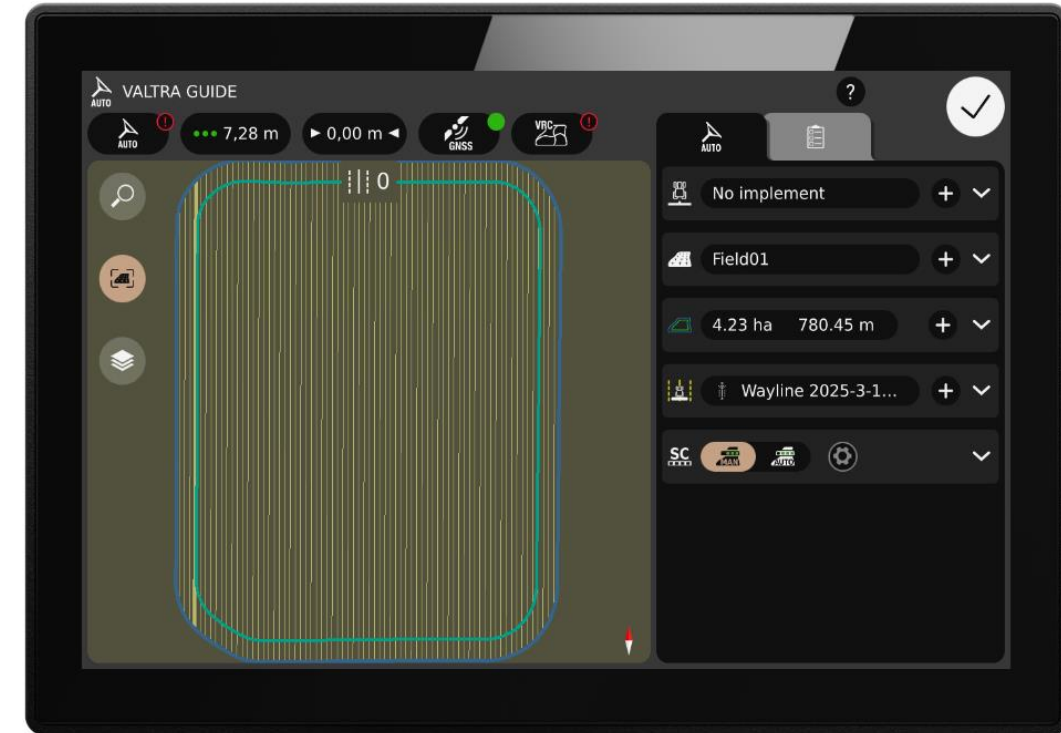
Accuracy Level

- **Egnos / SBAS**: $\pm 20\text{-}30$ cm pass-to-pass accuracy
- **RangePoint RTX**: ± 15 cm pass-to-pass accuracy
- **CenterPoint RTX**: $\pm 2\text{-}4$ cm pass-to-pass accuracy
- **NTRIP RTK / RTK Base Station**: ± 2 cm pass-to-pass accuracy with repeatability year after year

Example 500ha Farm 5% overlap (Manual Steering) vs. 1% overlap (Valtra Guide)

- + Seeding 1500€
- + Fertilizer 3000€
- + Crop Protection 1800€
- + Fuel 400€

Total saving: 6700€



SECTION CONTROL



Description

Section Control automatically switches individual boom sections or implement working widths on and off based on GPS position. This prevents overlaps and skips, ensuring precise application of seed, fertilizer, or crop protection products while reducing operator workload.

Key Customer Benefits

Reduce Input Costs

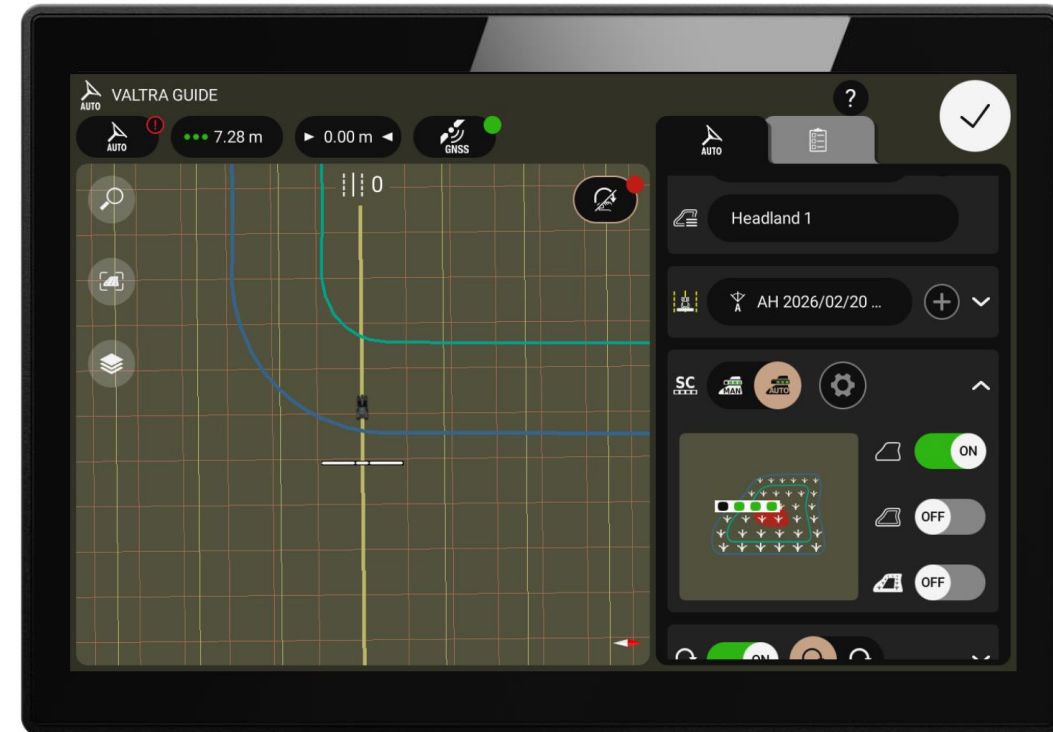
Avoids double application of seed, fertilizer, and chemicals, reducing unnecessary input expenses.

Increase Productivity

Operators can focus on driving while the system manages section activation and deactivation automatically.

Environmental Benefits

Reduces over-application of products, minimizing environmental impact and supporting sustainable farming practices.



- + Eliminates overlaps and reduces seed, fertilizer, and chemical use.
- + Ensures precise application with no missed areas and no double treatment.
- + Automatic section switching lets the driver focus on steering and field operations.
- + More efficient use of inputs improves return per hectare and lowers operating costs.

VRC



Description

Variable Rate Control (VRC) automatically adjusts the application rate of seed, fertilizer, lime, or crop protection products based on prescription maps, sensor data, or field conditions. This ensures that the right amount is applied at the right place, maximizing yield potential while reducing input waste and operator workload.

Key Customer Benefits

- Applies inputs only where needed, avoiding over-application and reducing seed, fertilizer, and chemical expenses.
- Optimizes crop growth by matching application rates to soil variability and crop requirements across the field.
- Makes better use of every hectare by targeting areas with higher production potential and reducing waste in less productive zones.
- Minimizes nutrient losses and chemical overuse, supporting sustainable farming practices and compliance with environmental regulations.

- + Applies the right rate at the right location using prescription maps or sensor data.
- + Reduces seed, fertilizer, and chemical costs by eliminating unnecessary application.
- + Improves yield consistency by accounting for field variability.
- + Maximizes return per hectare while reducing environmental impact and operator workload.



ISOBUS



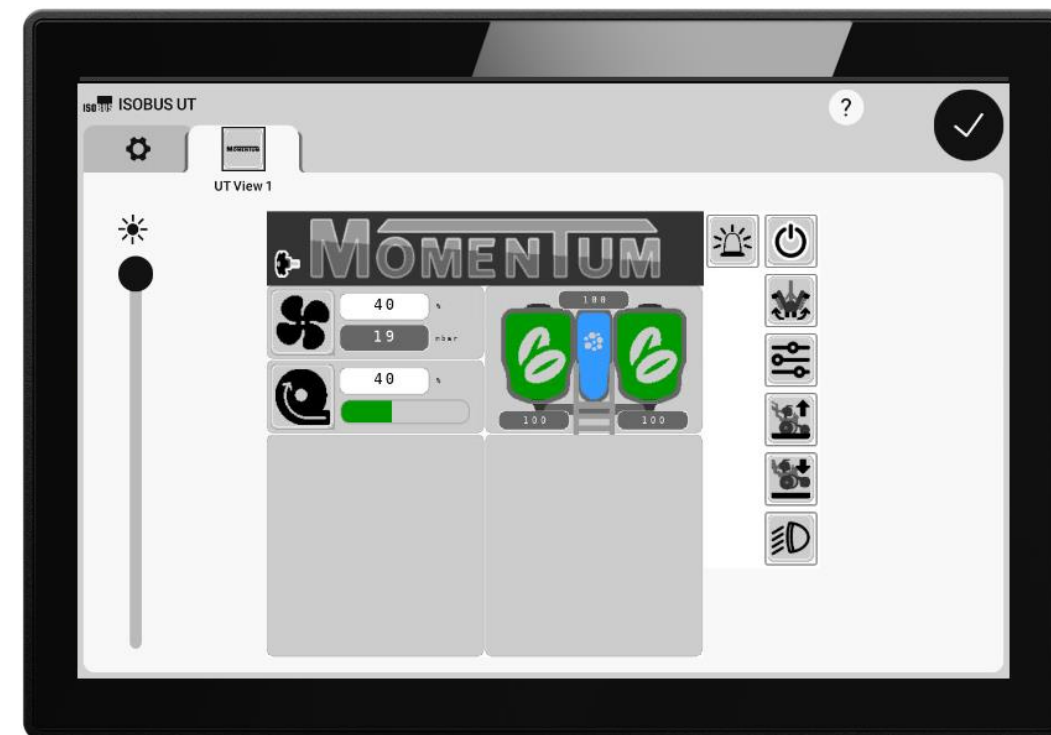
Description

ISOBUS is a universal communication standard (ISO 11783) that enables seamless interaction between tractors, implements, and in cab terminals—regardless of manufacturer. It standardizes connectors, communication protocols, and user interfaces, allowing operators to control all compatible implements through a single terminal.

By providing cross brand compatibility, simplified setup, and automatic implement recognition, ISOBUS reduces operator workload and minimizes errors. Through advanced features such as Section Control, Variable Rate Application, and Task Controller, it increases precision and productivity in the field. ISOBUS creates a unified, future proof system that ensures every operator can work efficiently and consistently, even with complex implements.

Application Example

- Planters, seeders, and drills
- Fertilizer spreaders and sprayers
- Balers, mowers, and forage equipment
- Tillage implements
- Variable Rate and Section Control operations
- Task documentation and data transfer



- + Based on the ISO 11783 standard
- + Universal connector and standardized user interface (VT/UT)
- + Supports Task Controller, Section Control, and Variable Rate Application
- + Cross brand compatibility with certified ISOBUS implements

OVERVIEW

• Concept	01
• PTO Power Table	02
• Power Modes	03
• Fuel Efficiency	04
• Fuel Tank	05
• Cooling and Viscofan	06



ENGINE 1/2



Key highlights

- New engine generation: AGCO Power CORE75 – **6-cylinder, 7.5-litre** displacement with 110 mm bore and 132 mm stroke
- EU **Stage V** emission compliant
- Fully **integrated** into the **tractor frame** design for improved rigidity and packaging
- High-pressure common rail fuel injection system with up to 2,000 bar
- **Hydraulic lash adjustment**– no valve clearance adjustment required
- Rear-mounted timing gear reduces tractor front width and enables a **smaller turning radius**
- Start-stop trigger wheel for precise engine management and efficiency
- **Non-all-in-one** aftertreatment layout improves underbody space, better performance in demanding terrain like forestry or Spraying applications

Technical Data

Valves: **24**
Cylinder: **6**
Bore (mm): **110**
Stroke (mm): **132**

Emission level : **Stage V**
Aftertreatment Type: **DOC,DPF,SCR**

- + **High performance & fuel efficiency:** Next-generation CORE75 engine with up to 2,000 bar injection for powerful and efficient operation
- + **Maximum uptime:** Hydraulic lash adjustment eliminates maintenance and reduces service stops
- + **Compact design advantage:** Integrated engine layout improves maneuverability and reduces turning radius
- + **Reliable operation in all conditions:** EU Stage V compliant with precise engine control for consistent performance



ENGINE 2/2



Key highlights

- **Increased oil capacity**, from **19 litres** in the **74HD** engine to **24 litres** in the **CORE75** engine, supporting improved durability and thermal stability
- **26%** more oil Volume compared to **74HD engine**
- **600h** oil service interval, reducing maintenance effort and downtime matching intervals
- **25% fewer components** compared to the 74HD engine, resulting in a lower cost per operating hour
- Relocated air filter for improved accessibility and **easier serviceability**
- **HVO-ready** engine design, supporting renewable fuels in accordance with **DIN EN 15940** and future sustainability requirements
- **Oil Filter** design has changed to modern **Cartridge type**

- + **Higher durability & thermal stability:** Increased oil capacity (+26%) ensures better cooling and longer component life
- + **Reduced maintenance & downtime:** 600h oil service intervals lower service effort and operating interruptions
- + **Lower operating costs:** 25% fewer components reduce complexity and cost per operating hour
- + **Easy service & future-ready:** Improved accessibility (relocated filters, cartridge design) + HVO-ready for sustainable operation



PTO POWER TABLE



Model	Engine	PTO Power		
	Engine Type	kW	hp	Nm
T146	75 FSTN – D5 (Core 75) AGCO Power	108	147	815
T156		118	161	879
T176		130	177	949
T196		143	194	1019
T216		152	206	1095
T236		166	225	1184

- Efficient PTO Power Transfer with Minimal Transmission Losses
- Maximum PTO Output – with low rpm see PTO Chapter
- Engine Power Delivered Efficiently to the PTO



FUEL EFFICIENCY



Key highlights

- **Maximum torque available already at 1,000 rpm**, delivering strong pulling power at low engine speeds
- **Optimised, right-sized oil cooler** reduces **fuel consumption** and can **fully bypass the cooler** when not required
- **Lower engine air-intake temperatures** thanks to a **larger cooler**, contributing to **improved efficiency and reduced fuel consumption**
- **PTO speeds achieved at lower engine rpm:**
74HD – 1,000 rpm PTO at **1897rpm**
CORE75 – 1,000 rpm PTO at **1800rpm**
- **Up to 5% lower fuel consumption** compared to the HD74 engine, with **188 g/kWh Core75 vs. 196 g/kWh HD74**

Top Points

- AGCO Power **CORE75** Engine
- **Increased Cooling** Capacity with Larger Oil Cooler
- **Lower Intake Air Temperatures** for Improved Efficiency
- **Smart Power Management** & Adaptive Drive Logic
- **Selectable Driving Modes:** Eco, Normal & Power
- **EcoPower Concept:** Maximum Torque at Low Engine RPM
- **Fuel-Efficient PTO Speeds** at Reduced Engine RPM
- **Optimized Engine Performance** for Lower Fuel Consumption

- + **Strong low-end power:** Maximum torque already at 1,000 rpm for high pulling performance at low engine speeds
- + **Reduced fuel consumption:** Optimized oil cooler with bypass function minimizes energy losses
- + **Improved engine efficiency:** Lower intake air temperatures increase performance and reduce fuel use
- + **Efficient PTO operation:** Required PTO speeds reached at lower engine rpm, saving fuel and reducing noise



3,09€ less per hour compare to current T235D (Fuelprice 1,70€)

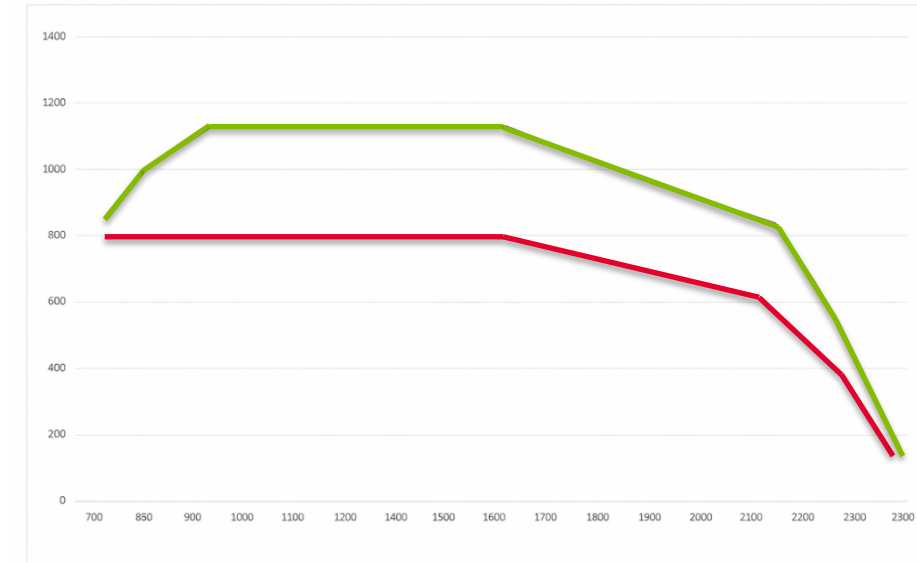


SMART POWER MANAGEMENT 1/3



Torque Curve

- Flat, constant torque curve from **1000 to 1,500 rpm**, improving fuel efficiency when starting under load and ensuring a consistent pulling force
- **1184 Nm torque** delivering stronger performance in demanding applications
- **18% more Torque compared to T5**
- **Perma Torque** continuously optimises engine efficiency and power output proportionally to operating conditions Torque back up reserve
- Especially during PTO work, **full power is always** available (not full engine Power as the Power needs to be transferred)



- T236 Engine Torque
- T176 Engine Torque

- + **Strong pulling power at low rpm** ensures smooth starts under load and confident performance in heavy work.
- + **Flat torque curve delivers consistent performance**, so the tractor keeps working efficiently even when conditions change.
- + **More torque where it matters** means higher productivity without the need for high engine speeds.
- + **High torque reserve guarantees full power availability**, especially for demanding PTO applications.

SMART POWER MANAGEMENT 1/3



Power Modes

- **Choose the right mode:** ECO, Normal or Power for your task
- **Smart shifting:** Tractor adapts gears automatically to the load
- **Right power at the right time:** No over- or under-powering
- **Fuel saving:** Optimized engine and shifting reduce consumption

- + Power modes adapt engine behavior to the task, ensuring the tractor delivers exactly the required performance without over- or under-powering.
- + By matching engine speed and shifting strategy to the load situation, power modes reduce unnecessary fuel consumption while maintaining work output.
- + Smooth, situation-based upshifts and downshifts reduce gear hunting, noise, and engine stress—making long working days easier and less tiring.
- + Whether steady load, mixed work, or highly dynamic tasks, power modes ensure optimal performance in every operating condition without manual intervention.



ECO

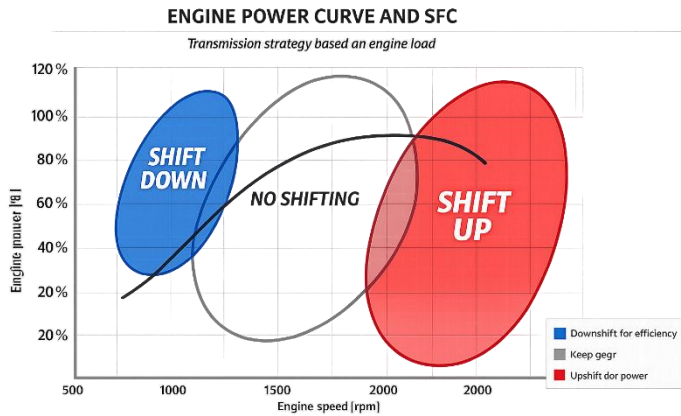


NORMAL



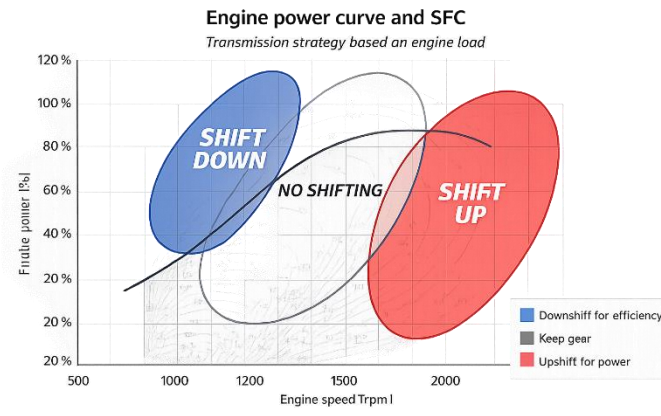
POWER

SMART POWER MANAGEMENT 2/3



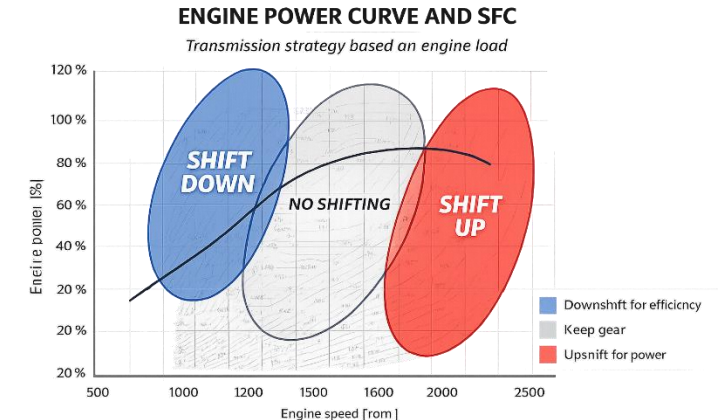
ECO Mode

- Optimised for best fuel economy
- Prefers engine speeds with the lowest specific fuel consumption (SFC)
- Avoids unnecessary downshifts to high engine speeds
- Upshifts early from higher revs to maintain efficient operation
- Ideal for applications with constant or slowly changing power demand
- *Trade-off:* slight delay before full power is delivered



Normal Mode

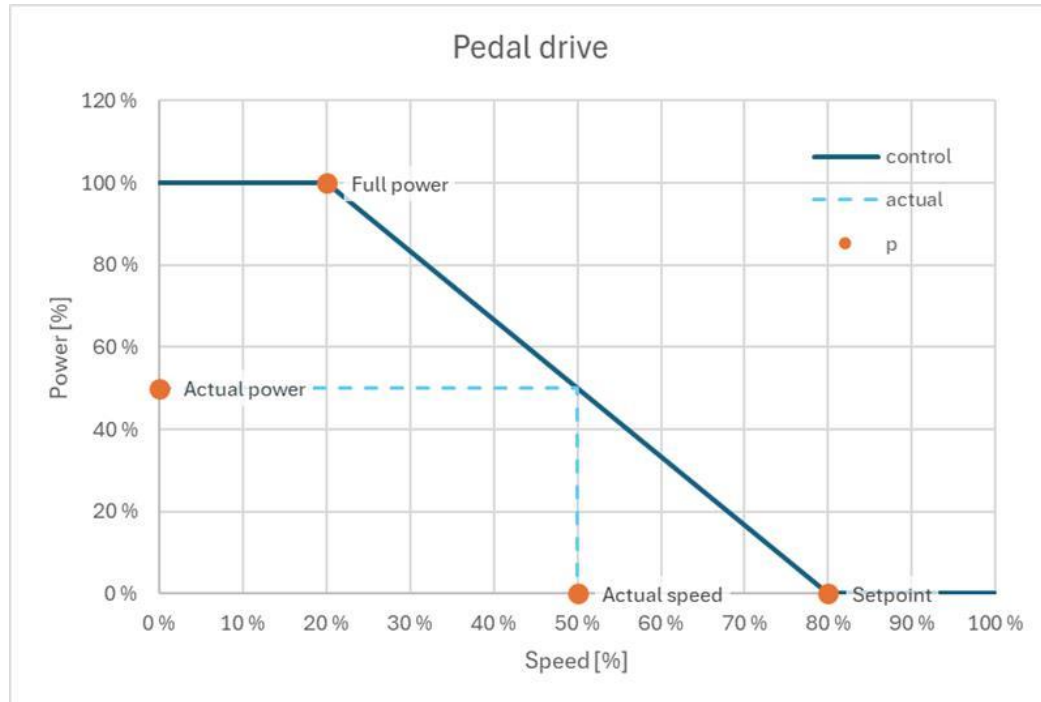
- Continuously optimises the balance between power and fuel efficiency
- Upshifts smoothly to lower engine speeds when possible
- Downshifts quickly to higher revs when additional power is required
- Ideal for applications with frequently changing power demand, from low to high load



Power Mode

- Always provides full engine power
- Prefers engine speeds where maximum power is available
- Avoids upshifting to low engine revs to maintain immediate responsiveness
- Downshifts quickly from low revs when higher power is required
- Ideal for applications with rapidly and strongly fluctuating power demand, preventing unnecessary upshift-downshift cycles

SMART POWER MANAGEMENT 3/3



The Drive Pedal that reads your Minde

- **Smooth and intuitive control** – exactly the response you expect from a drive pedal.
- **Power on demand** – acceleration and pulling power increase naturally with pedal input.
- **Precise driving comfort** – no delays, no sudden power jumps, just smooth control.
- **Smart speed assistance** – helps maintain speed while keeping the driver in control.
- **Optimized efficiency** – intelligent transmission and engine management reduce fuel consumption.
- **Perfect for every task** – precise control in the field and effortless comfort on the road.
- **Instant response when needed** – full power available without hesitation.
- **Confidence in every situation** – predictable and accurate pedal feel from low to high speeds.

- **Smooth and precise driving** – Easy speed control for field work and headland turns.
- **More comfort during long working days** – Less foot movement and reduced driver fatigue.
- **Power when you need it** – Strong acceleration under load without sudden reactions.
- **Lower fuel consumption** – Smart engine and transmission management optimizes efficiency.

FUEL TANK (STANDARD)



Large fuel tank and low diesel consumption

- Diesel tank (380 l) and AdBlue tank (40 l) use the installation space on the left side of the tractor
- Filling from the left side, directly when entering the cab – easy access from ground level
- Safe, wide access with deep steps and a relatively shallow climbing angle
- Fully integrated step lighting
- Optional heated fuel pre-filter for increased operational reliability, even with lower-quality diesel or at low temperatures
- Compatible with Forest options and Protection plates
- Designed for working 10h with 80% load



- + Excellent accessibility, short walking distances and minimized risk of accidents when refuelling AdBlue and Diesel from the same side at ground level
- + Long operating times thanks to the combination of large tank capacity and low specific fuel consumption – less downtime, more productive working time, higher tractor utilization

FUEL TANK (STEEL)



Large steel tank and low diesel consumption

- Diesel tank (260 l) and AdBlue tank (25 l) use the installation space on the left side of the tractor
- Filling from the left side, directly when entering the cab – easy access from ground level
- Safe, wide access with deep steps and a relatively shallow climbing angle
- Fully integrated step lighting
- Optional heated fuel pre-filter for increased operational reliability, even with lower-quality diesel or at low temperatures
- Providing high durability and reliable protection against impacts, stones, and debris in demanding operating conditions



- + Excellent accessibility, short walking distances and minimized risk of accidents when refuelling AdBlue and diesel from the same side at ground level
- + Long operating times thanks to the combination of large tank capacity and low specific fuel consumption – less downtime, more productive working time, higher tractor utilization
- + High durability and long service life, even in tough operating conditions
- + Excellent protection against impacts, stones, and debris

STEEL PROTECTION (TANK)

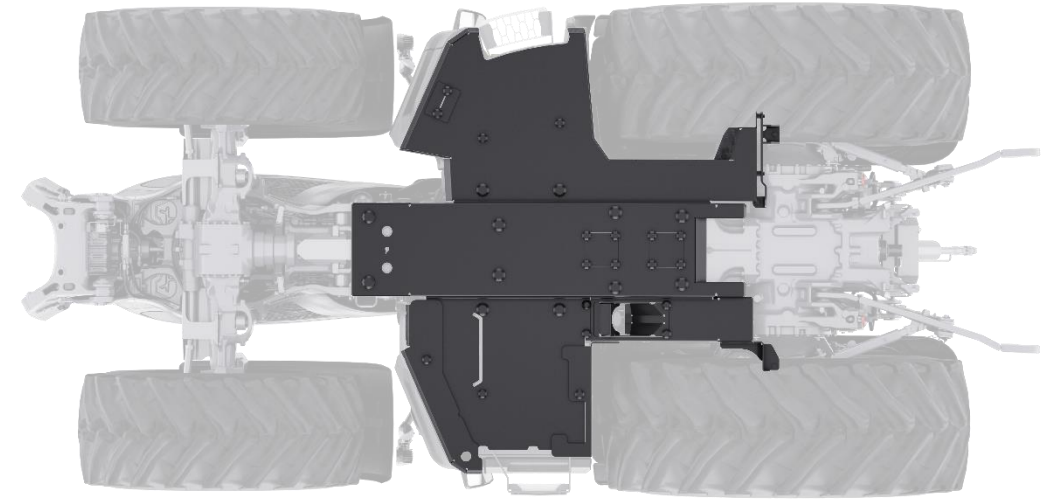


Steel protection for special applications

- Steel under shield protection plate
- Covers the entire underside of the machine and protects critical components against damage caused by objects such as branches and stones
- Fuel tank capacity remains unchanged as configured
- Manufactured from **6 mm** thick steel
- Cut-out for radar sensor included; full sensor functionality is maintained

Technical Data

- **Cover for Radar** cut out (Partnumber ACX5502320)



- + Designed to withstand flying stones, branches, and debris – reduced damage and downtime in harsh working conditions
- + Improved operator safety when mulching or working on slopes and in dense forestry areas
- + Robust components ensure consistent performance during long, high-stress operations
- + Enhanced protection reduces wear and component damage, keeping operating cost predictable
- + Ideal for demanding applications where standard tractors reach their limits

COOLING AND VISCO FAN 1/2



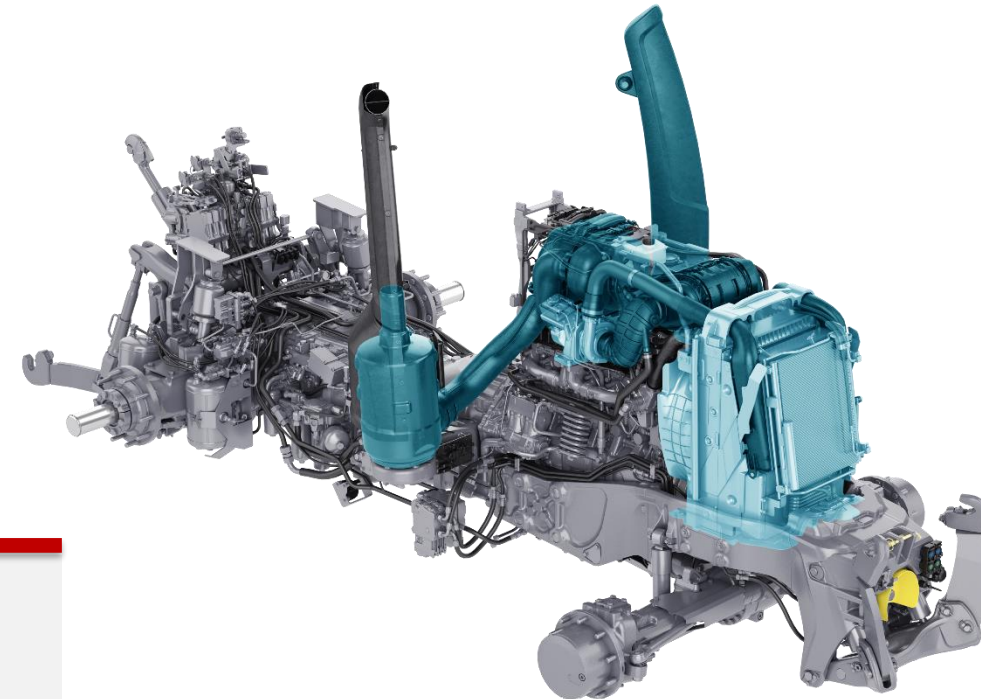
Design

- **Optimised hood design for maximum cooling performance**
- **Full-length bent front section with hexagonal structure** for high strength, durability, and improved airflow
- **Large intercooler** ensures maximum air volume through the system and reduces charge-air temperature
- **Visco fan and airflow management** efficiently guide hot air outwards, improving cooling performance and **reducing heat transfer to the cab**, especially in hot working conditions
- Cooling system is designed and validated to 45 Degrees

Air Intake

- High-positioned **air intake** supplies clean, fresh air
- Ideal for dusty conditions, such as dry arable farming or grassland work
- **Reliable air supply** in winter conditions: even if the bonnet is covered with snow or ice, the system maintains airflow
- **Consistent engine performance** ensured under all operating conditions

- + Stable engine temperature even in hot (+45°C), dusty, and high-load applications
- + Large intercooler + smart airflow management improves cooling and reduces thermal stress
- + Reinforced hexagonal front structure ensures strength, long lifetime, and consistent performance
- + High-positioned air intake guarantees clean air supply in dust, snow, and difficult environments



COOLING AND VISCO FAN 2/2



Reversing Fan

Automatic self-cleaning of the cooling grille
Normal operation: standard direction of rotation
Reversing mode: motor switches to reverse rotation

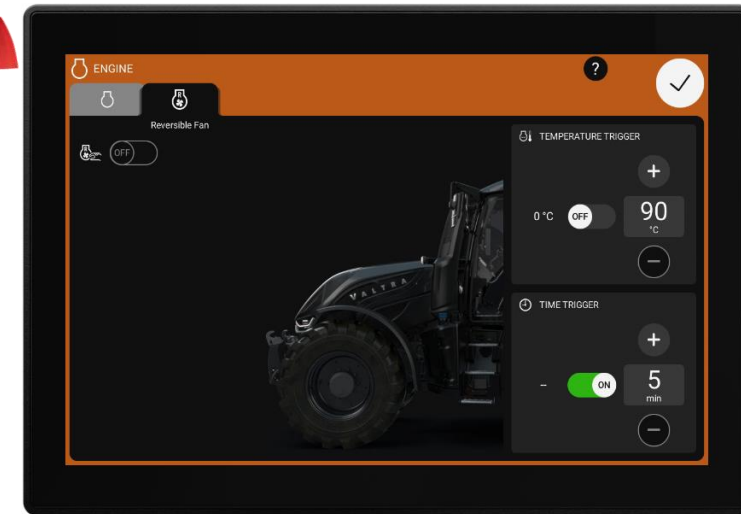
Control via terminal:

Manual: activation of the reversing fan function via the terminal

Automatic: interval-controlled reversing fan function, time-based or Temperature and programmable via the U Pilot will be coming in a SW-Update after SOP

Application:

Ideal for dusty operating conditions where large amounts of light material are airborne, e.g. mowing, baling, and non-agricultural applications such as construction sites or soil stabilization



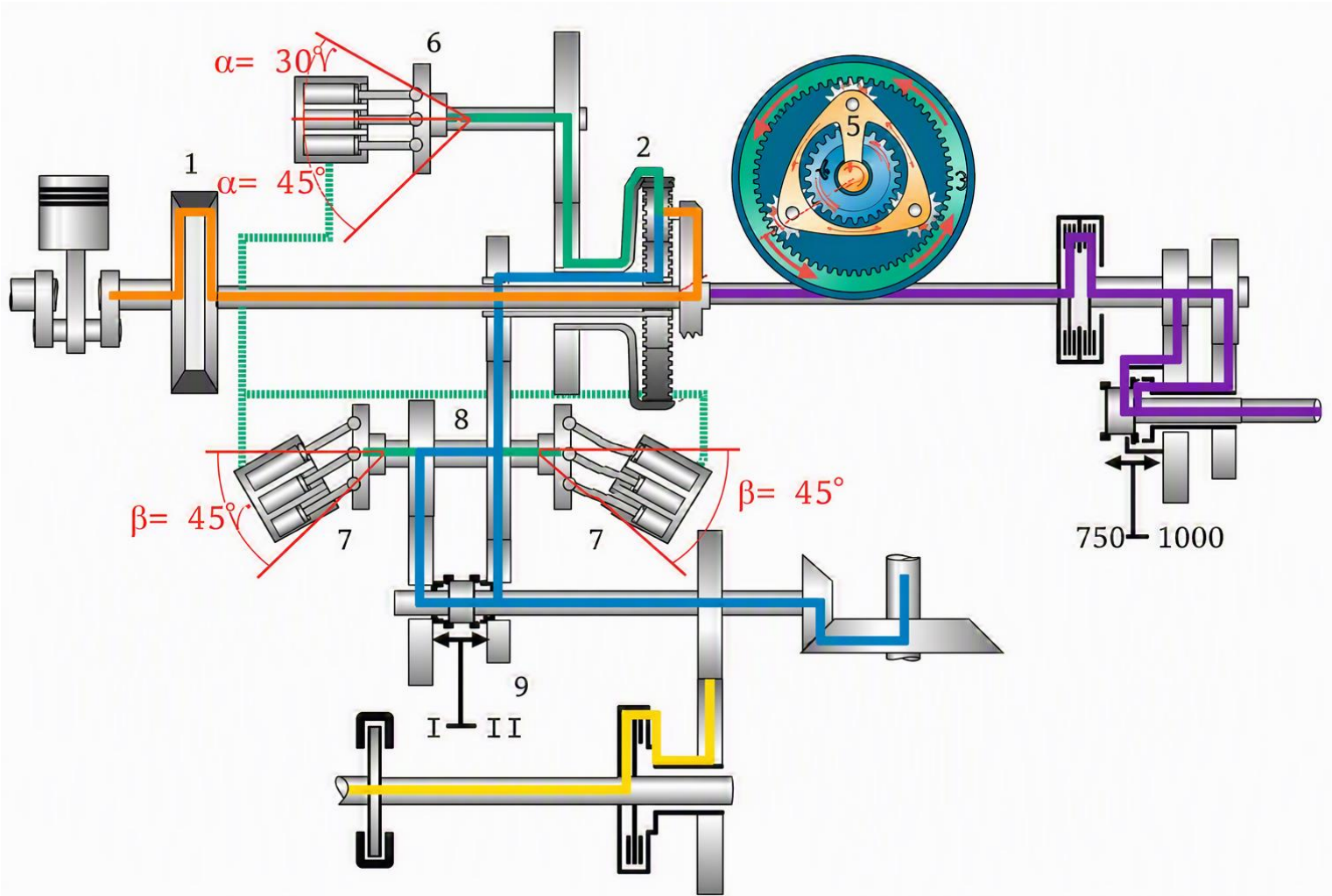
- + Integration into U Pilot in Valtra Terminal
- + Cooling grille can be continuously and easily cleared of adhering crop material during baling, ensuring stable operating temperatures and eliminating the need for manual cleaning
- + Cooling system always operates at optimum efficiency
- + Available for Active Models as well

OVERVIEW

• Concept CVT	01
• Concept 10-Step Powershift	02
• Concept 5-Step Powershift	03
• Engine Transmission Control	04
• Service	05



TRANSMISSION



Legend:

- Engine Power
- Hydraulic power transmission
- Mechanical power transmission
- PTO drive
- All-wheel drive

Components:

1. Torsional damper
2. Planetary gear set
3. Ring gear
4. Sun gear
5. Planet carrier
6. Hydraulic pump
7. Hydraulic motor
8. Summation shaft

TRANSMISSION 1/4



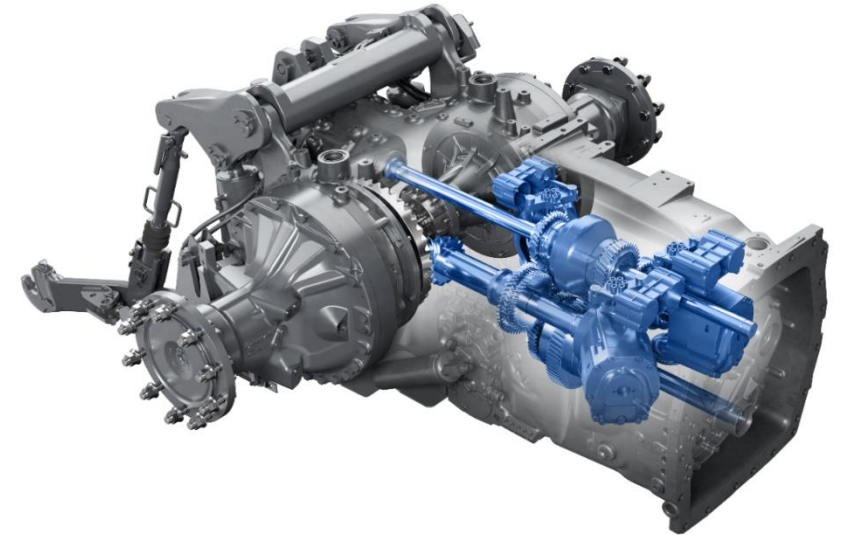
Drive Line CVT

- Combines **hydrostatic and mechanical** power paths for efficient power transmission
- Delivers very high **efficiency** already at low operating speeds
- Enables **precise and stable speed control**, particularly in low-speed applications
- Optimized control logic ensures seamless **interaction between engine and transmission**
- **Robust transmission** architecture is designed for long service life 2400 hours

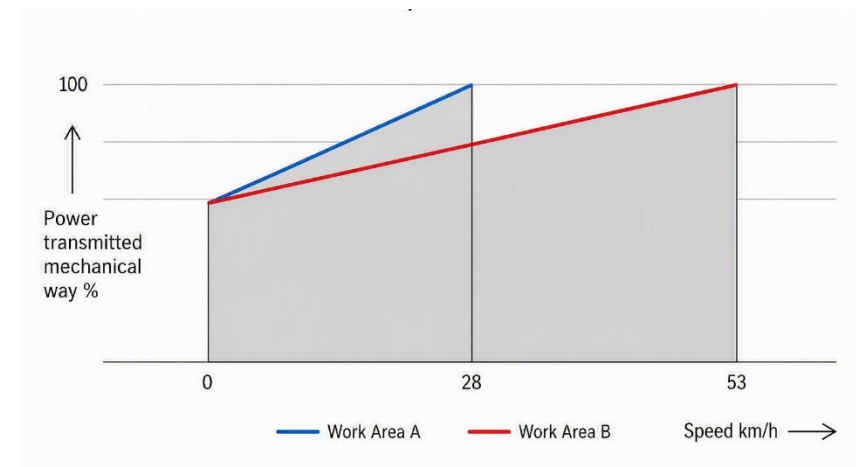
Technical Data

- **AGCO ML 180** Transmission
- Stepless Transmission with 2 Ranges
 - Range **A** 0,02-24km/h
 - Range **B** 0,02-57km/h
- 40 kmh at **1550 rpm** • 57 kmh at **1950 rpm**
- 50 kmh at **1700 rpm**

- + **High efficiency at all speeds**
Combines hydrostatic and mechanical power paths for optimal efficiency, especially at low speeds.
- + **Precise & smooth operation**
Stepless control ensures stable, accurate speed control—ideal for low-speed applications.
- + **Optimized engine–transmission interaction**
Intelligent control logic delivers seamless power transfer and improved performance.
- + **Durable & reliable design**
Robust transmission architecture engineered for long service life (up to 2400 operating hours)



Mechanical Power Transmission



TRANSMISSION 2/4

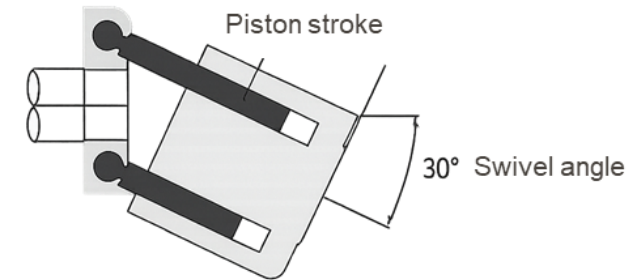


Axial piston variable pump

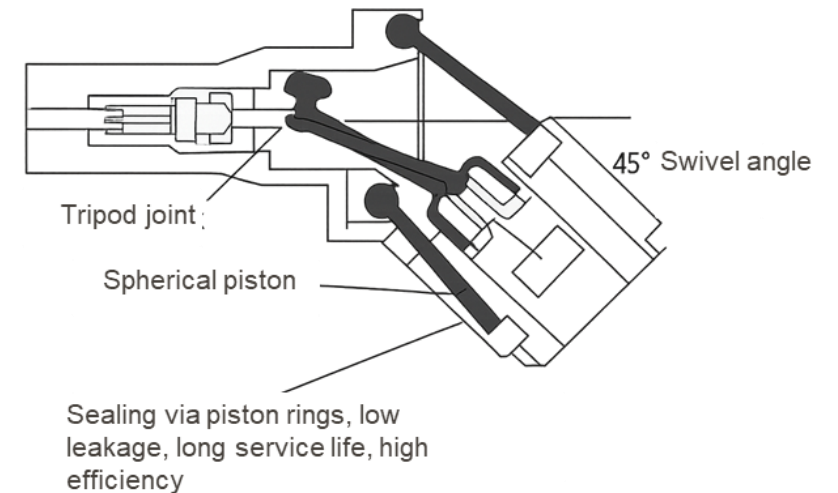
- High efficiency enabled by **large swivel angles** and high **operating pressure**
- The conventional axial piston pump operates with a 30° swivel angle, while the ML axial piston variable pump uses a **45° swivel angle**
- The system is designed for an operating pressure of up to **500 bar**
- Optimal engine utilization through **stepless speed adjustment**
- **Wear-free direction change** in the ML transmission by simply swivelling the hydraulic pump – no clutch required
- Clutch free transmission
- Build 300000 times

- + **High efficiency at all speeds**
Combines hydrostatic and mechanical power paths for optimal efficiency, especially at low speeds.
- + **Precise & smooth operation**
Stepless control ensures stable, accurate speed control—ideal for low-speed applications.
- + **Optimized engine–transmission interaction**
Intelligent control logic delivers seamless power transfer and improved performance.
- + **Durable & reliable design**
Robust transmission architecture engineered for long service life (up to 2400 operating hours).

Conventional axial piston variable pump



ML axial piston variable pump



TRANSMISSION 3/4



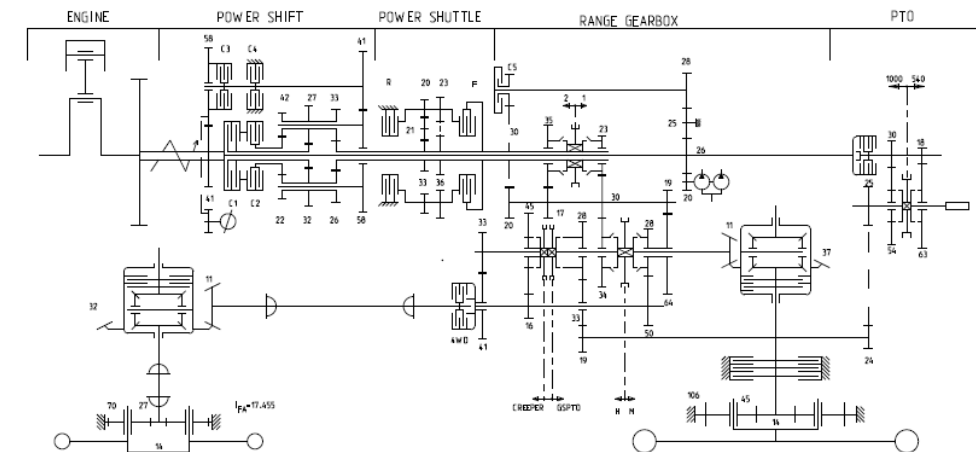
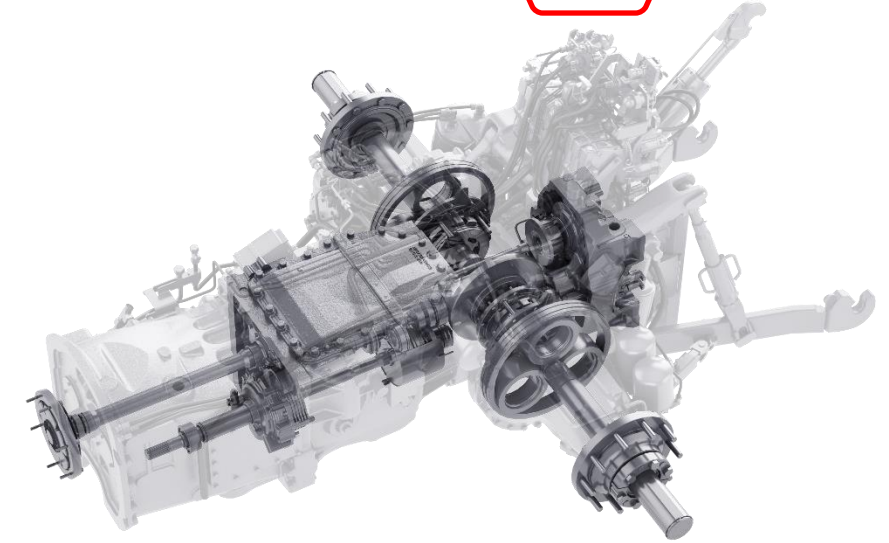
Drive Line 10 Powershift

- **Mechanical** power paths for efficient power transmission
- Delivers very high **efficiency** already at low operating speeds comes from Flat Engine Curves with high torque from starting
- Optimized control logic ensures seamless **driver change between CVT and Powershift Drivelogic**
- **Robust transmission** architecture is designed for long service interval 2400 hours
- **10 forward** Powershifts and **5 revers** Powershifts

Technical Data

- **AGCO T760** Transmission
- Powershift Transmission with 2 Ranges
 - Range **A** 0,2-17km/h
 - Range **B** 3,7-57km/h
- 40 kmh at **1550* rpm** • 57 kmh at **1850 rpm**
- 50 kmh at **1700 rpm**

- + Mechanical power path with strong torque at low engine speed
- + Efficient power transfer reduces fuel consumption
- + 10-step powershift keeps engine in optimal power range
- + Less shifting gaps for continuous pulling performance
- + Built for demanding applications and long service life
- + Optimized Drivelogic for smooth gear changes
- + Seamless operation reduces driver workload



TRANSMISSION 4/4



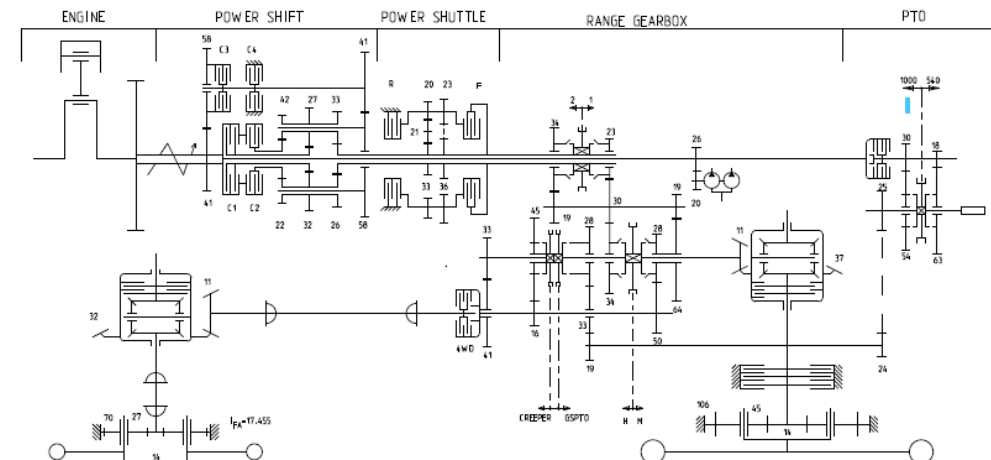
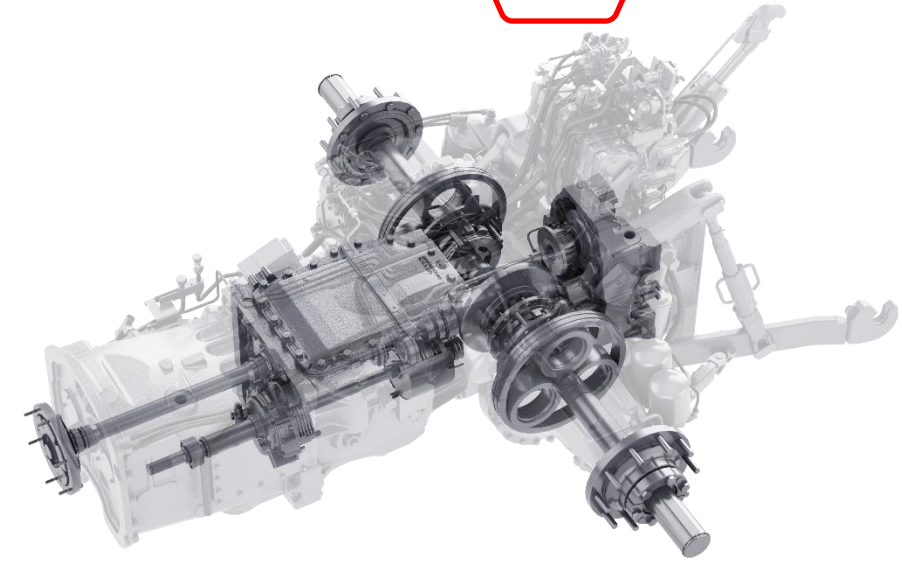
Drive Line 5 Powershift

- **Mechanical** power paths for efficient power transmission
- Delivers very high **efficiency** already at low operating speeds comes from Flat Engine Curves with high torque from starting
- Optimized control logic ensures seamless **driver change between CVT and Powershift Drivelogic**
- **Robust transmission** architecture is designed for long service life 2400 hours
- **5 forward** Powershifts and **5 revers** Powershifts
- Designed for **Budget Customers**

Technical Data

- **AGCO T760** Transmission
- Powershift Transmission with 4 Ranges
 - Range **A** 2,5-8,6km/h
 - Range **B** 5,5-18,5km/h
 - Range **C** 8,2-27,8km/h
 - Range **D** 17,7-50km/h
 - Range **LA** 0,5-1,7km/h
 - Range **LB** 1,0-3,7km/h
- 40 kmh at **1500* rpm**
- 50 kmh at **1740 rpm**
- 57 kmh at **1980 rpm**

- + Mechanical power path with high torque at low engine speed
- + Reduced fuel consumption in field and transport
- + Smooth 5-step powershift shifting
- + Seamless transition between CVT and powershift
- + Robust transmission design for long service life
- + 2400 h oil change interval reduces maintenance



AUTOMATIC AND MANUAL MODE



Automatic Mode

- **Automatic Mode is a software system that acts as the interface between engine and transmission** – engine speed and transmission ratio are automatically and fuel-efficiently optimized
- Operation via the **Drive drive lever and accelerator pedal**
- The tractor electronics take over control of engine and transmission – the driver only specifies the desired speed; **The Automatic Mode manages the rest**



(Speed request)



(Speed request)

Manual Mode

- In Manual mode, the tractor is operated entirely by the driver:
- The **accelerator pedal** directly controls engine speed (**RPM**)
- The **drive lever** sets the **transmission speed**
- Manual mode is available in Working ranges **A and B**

Benefits – high comfort, safety, productivity and efficiency

- **Manual and Automatic Mode are available in all drivetrains (CVT/ Powershift)**



(Engine Speed)



(Transmission Speed)

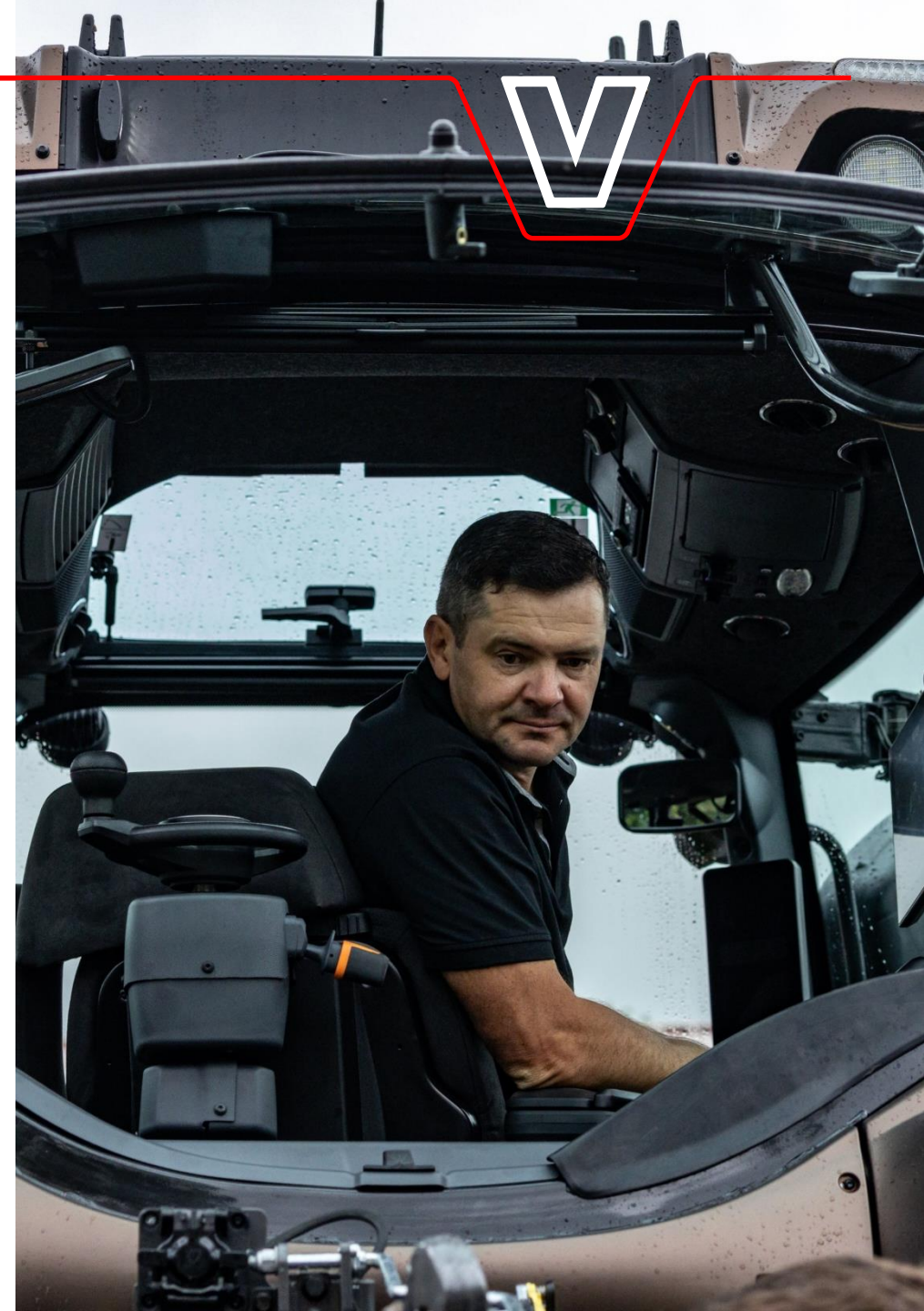
TRANSMISSION DRIVE LOGIC 1/3

Pedal & Throttle Logic

- In **Powershift mode**, the **drive pedal controls engine power** while ensuring appropriate vehicle speed control
- The **hand throttle defines the minimum engine speed** and sets the lower RPM limit

Manual Mode Behaviour

- In **Manual mode**, the system allows **direct engine speed control**
- Engine speed is controlled independently, even when km/h cruise is active
- Manual mode is supported in **working ranges A and B**



TRANSMISSION DRIVE LOGIC 2/3

Automatic Shifting Logic

- **Adjustable shifting sensitivity** in automatic mode
- Selectable **shifting strategies**:
 - **Eco** – fuel-efficient operation
 - **Normal** – balanced performance
 - **Power** – dynamic response and performance focus

Drive Lever

- Optimized **acceleration ramps** for smoother response
- Improved **haptic feedback** at the drive lever for better control and precision



TRANSMISSION DRIVE LOGIC 3/3

Lever Drive & Cruise Control logic

- **Lever drive and km/h cruise control form one unified cruise control concept**
- km/h cruise control provides:
 - **Two speed memories** (SmartTouch and mid-spec versions)
 - Stable speed holding under varying load conditions

Combined Cruise Functionality

- **Engine speed (RPM) cruise and km/h cruise can be used simultaneously**
- This combined cruise functionality is available **also in Powershift mode**

Cruise Control Interaction & Priority

- **Cruise control and lever drive disengage automatically when:**
 - The **brake pedal** is pressed
 - The **clutch pedal** is pressed
- **Drive pedal input overrides cruise control** (drive-pedal priority)



OVERVIEW

• Concept Rear PTO	01
• Concept Front PTO	02
• PTO Automatics	03
• PTO Shaft	04



CONCEPT 1/2



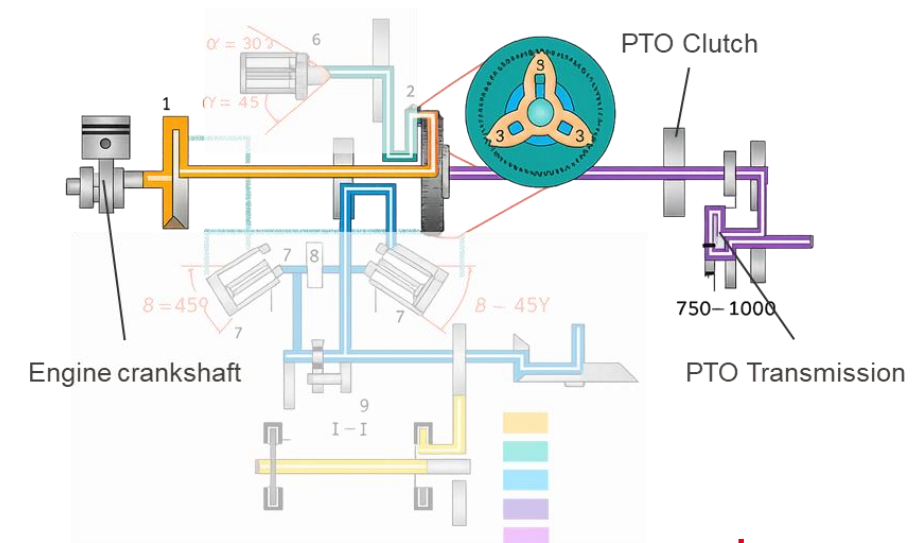
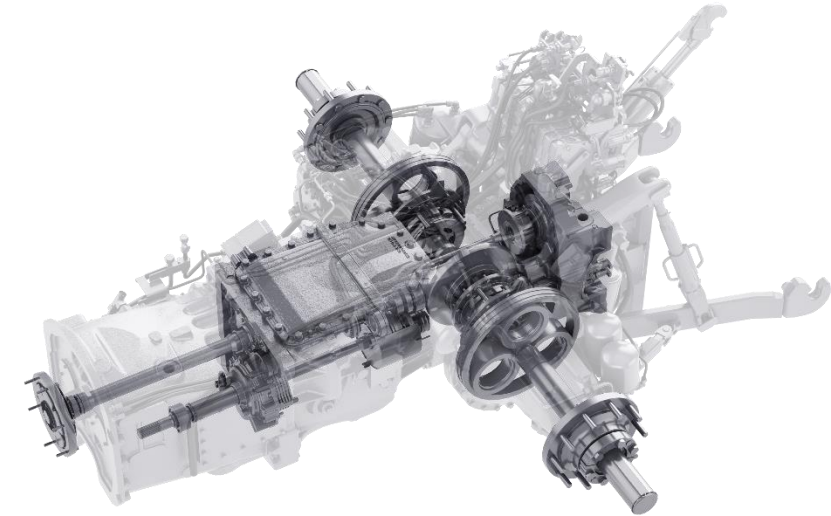
Rear Power Take OFF

- **Common PTO stub design** shared with Q and S Series and other AGCO Products
- Optimised **PTO gearing**: unchanged PTO speeds with lower engine rpm, while maintaining full torque
- 540 / 540E / 1000 / 1000E PTO speeds available
- High efficiency with both CVT and PS transmissions
- PTO stub type **automatically identifiable** via the hole pattern on the outer PTO stub
- Automatic Clutch engagement in CVT PTO is identifying the Implement torque and is Self learning when engaging next time reduction of wear on Clutch pack

Technical Data

- | | |
|----------------------------|---|
| • 540 at 1800 rpm | 1 3/8" 6-tooth splined shaft (926150220032) |
| • 540E at 1500 rpm | 1 3/4" 6-tooth splined shaft (926150220011) |
| • 1000 at 1800 rpm | 1 3/4" 20-spline involute profile (926150220071) |
| • 1000E at 1500 rpm | 1 3/8" 21-spline involute profile (926150220042) |

- + Maintains full torque even at reduced engine speeds
- + Shared PTO concept across AGCO machines simplifies compatibility
- + Automatically identified PTO stub reduces setup errors
- + Foolproof system for quick implement changes
- + Intelligent PTO clutch engagement adapts to implement load
- + Reduces wear and increases durability of drivetrain components



CONCEPT 2/2



Front Power Take OFF

- **Front PTO rotates** in the **same direction** as the **rear PTO**, relative to the direction of travel
- **Automatic soft-start engagement**, identical to the rear PTO, ensuring **smooth and gentle run-up** even under **heavy loads**
- **High efficiency**, as power is transmitted **directly from the engine crankshaft**
- **Centrally mounted PTO stub shaft**: the driveline runs in a **straight alignment**, resulting in **no efficiency losses** and **reduced wear**
- **Frontmower spring** holders available with the Grill guards

Technical Data

- 1000 at 1833 rpm
- Front PTO **retrofit** available
- Maximum **127kW** output

- + Direct drive from engine crankshaft ensures minimal losses and maximum output
- + Automatic soft-start protects driveline and implements even under load
- + Same rotation direction as rear PTO simplifies implement use and operation



(Frontmower springholder)

PTO AUTOMATICS



Front and Rear

PTO Assistant

The operator selects the desired PTO speed. The tractor automatically sets and maintains the target PTO speed by adjusting engine rpm, accordingly, ensuring consistent performance and optimal efficiency. In Stationary work as well as target speed in driving. The PTO assistant can be used also from the external PTO Button

Stationary Mode

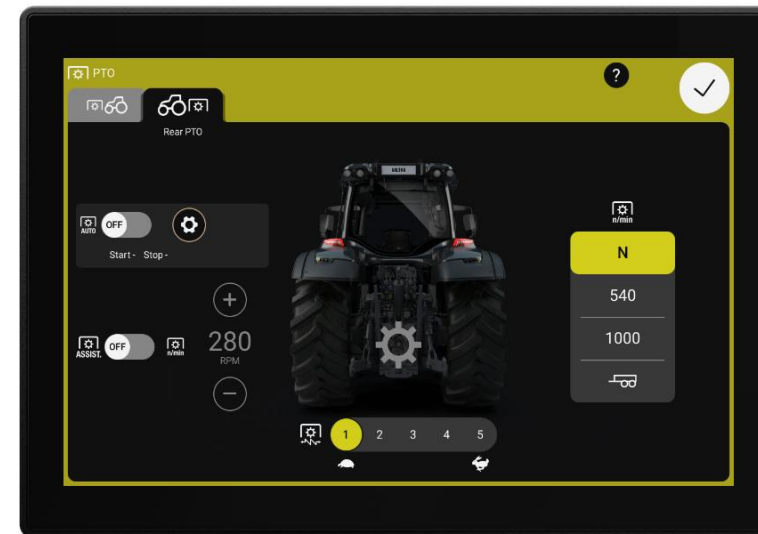
Allows safe and convenient PTO operation while the tractor is stationary.

Activation (SmartTouch 2.0): Hold the switch 7 sec. till popup appears

Activation (Active 2.0): Popup appears if the driver goes off the seat or if Park break is activated

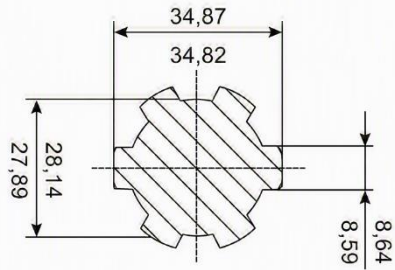
PTO Automatics

The PTO is automatically engaged or disengaged when the linkage is raised or lowered. Individual engagement and disengagement points can be freely defined in the PTO menu, improving comfort, safety, and ease of operation during headland turns. Those **automatics** are available for the **front and rear**

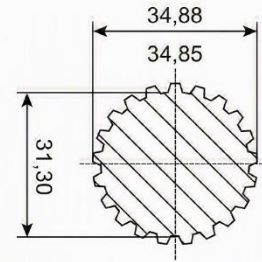


- + Automatic PTO speed control maintains target rpm for stable output and optimal efficiency
- + PTO automation reduces manual operation during headland turns and field work
- + Controlled engagement/disengagement linked to linkage position prevents misuse
- + Stationary PTO operation enables safe and easy use without constant operator input

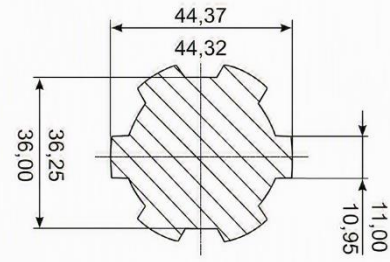
PTO SHAFT



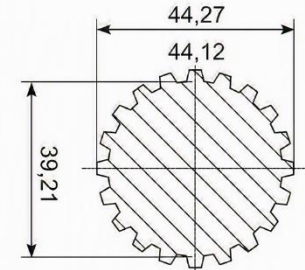
1 3/8" 6-tooth splined shaft
Parts:(926150220032)



1 3/8" 21-spline involute profile
Parts:(926150220042)



1 3/4" 6-tooth splined shaft
Parts:(926150220011)



1 3/4" 20-spline involute profile
Parts:(926150220071)

- + PTO Shafts can be interchanged between all ML Transmissions
- + PTO Shafts can be interchanged between Powershift and CVT

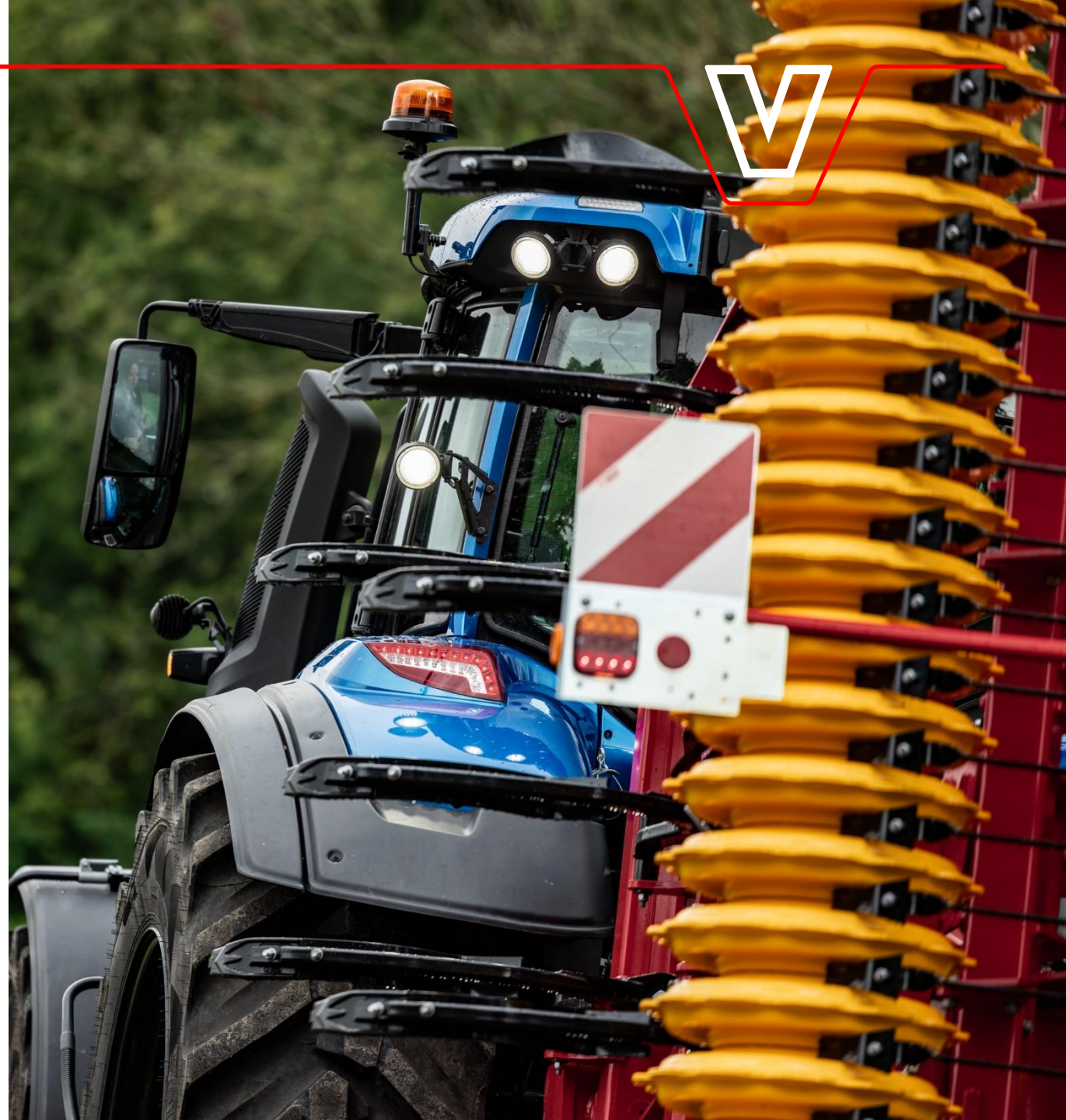
OVERVIEW

- Rear Linkage

01

- Front Linkage

02



CONCEPT 1/4



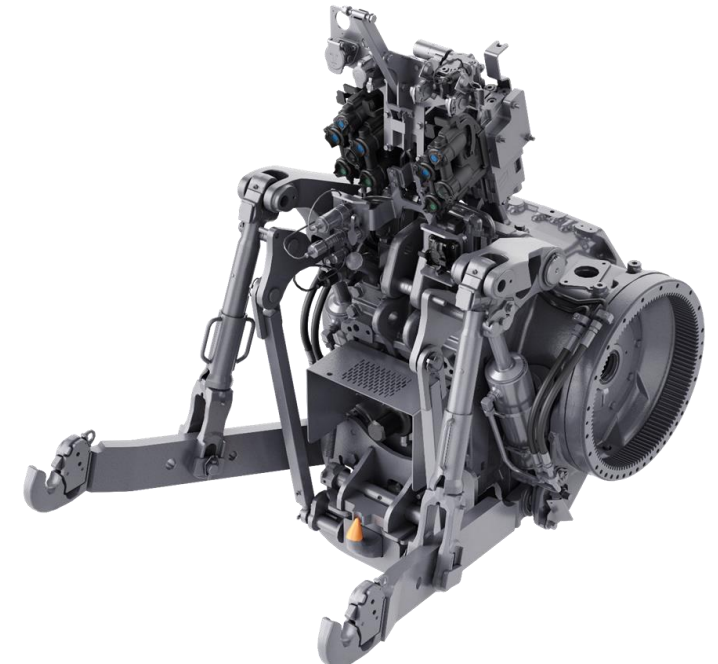
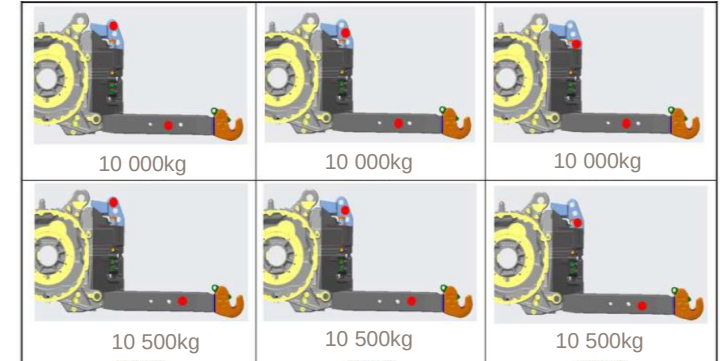
Rear Linkage

- **3 Rear Linkage Controls**
 - ON/OFF external controls for easy attachment and detachment of implements (press & hold)
 - Quick hitch operation via the drive lever
 - Individual linkage settings can be stored and recalled using memory buttons
- **Oscillation Damping**: Active damping system for improved stability and comfort during road transport
- **Slip Control**: Automatically reduces engine power in the event of wheel slip until traction is restored, improving efficiency and protecting the drivetrain
- External Rear Linkage Operation Rear linkage can be operated externally from both sides of the tractor
- **Flexible Hitch Geometry**: Multiple hitch point configurations allow optimization for either increased lifting capacity or greater lift height
- **Draft Control** : Precise draft force measurement using integrated load-sensing pins for accurate and responsive traction control

Technical Data

- Maximum Lifting force attachment point 93kN
- Maximum Lifting entire range 9500kg
- Lifting Range 874 mm (CVT) 866mm (PS)
- Category Size: 3 - 3N

- + External controls and quick hitch reduce coupling and uncoupling time
- + Oscillation damping improves stability in transport and on uneven terrain
- + Automatic slip control maintains grip and protects the drivetrain
- + Adjustable hitch geometry and memory functions adapt to any implement



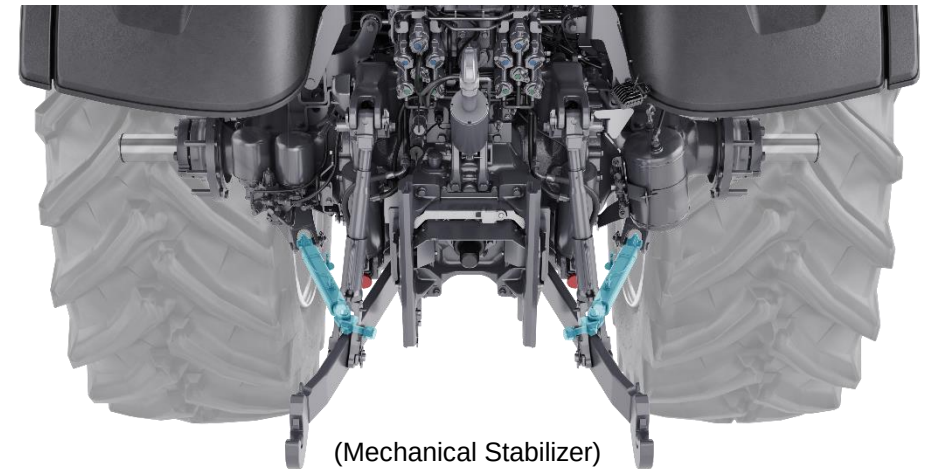
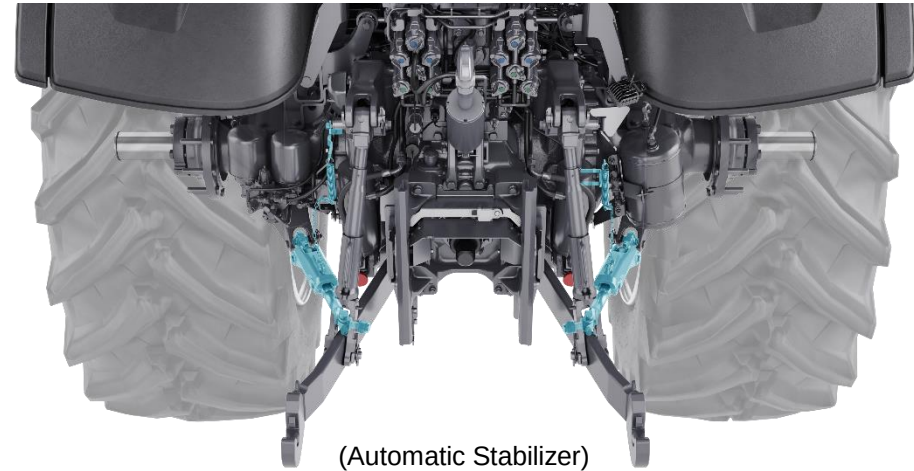
CONCEPT 2/4



Link arms

- **Mechanical Side Stabilizers:** adjustment via perforated hole pattern allows quick and precise setup Integrated float position enables easy and flexible adjustment in the field
- **Automatic Side Stabilisers:** locking and release of side stabilisers in combination with rear linkage position ensures optimal implement guidance in the field and stability during transport Category
- Easy adjustment between Category 2 and Category 3 via threaded adjustment rod System supplied by Walterscheid (CVT models) or LH Lift (Powershift models)
- **Hydraulic Side Stabilizers** system available from UNLIMITED for better stability in hill conditions

- + Adapts quickly to different implements and working conditions
- + Secure holding and stabilizer systems improve machine stability in field and transport

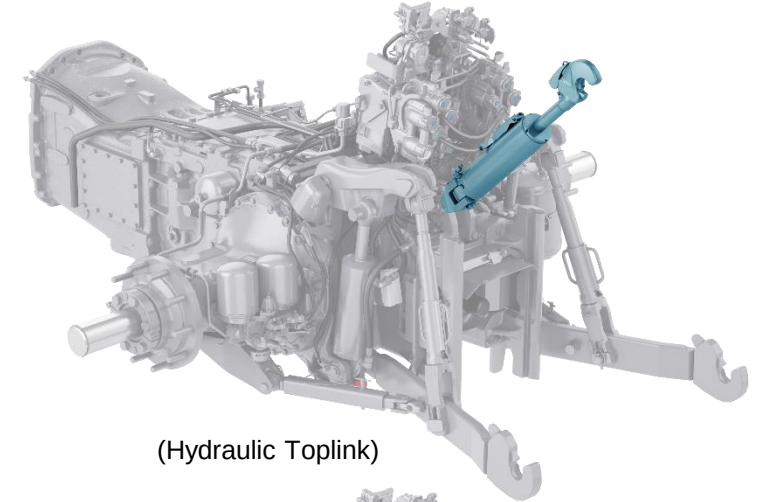


CONCEPT 2/4

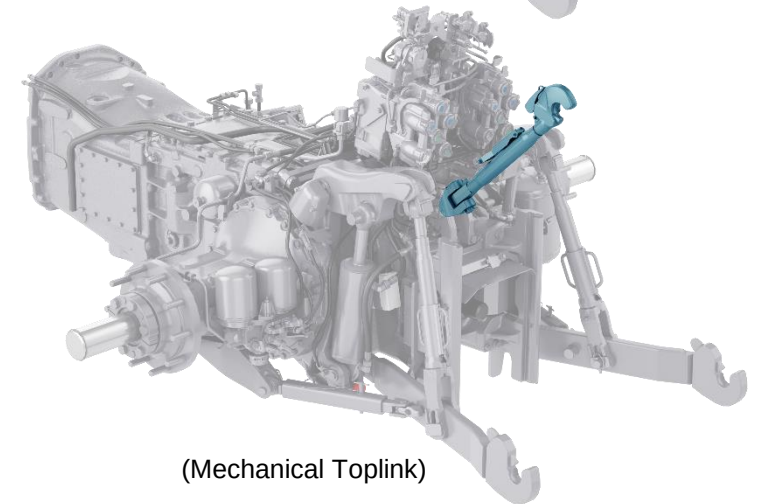


Top Link

- **Mechanical Toplink** length is adjustable by rotating on the thread
- **Hydraulic Toplink** length is adjustable via Hydraulic Valve outside of the cab via the Mudguard controls or via Hydraulic Valve from the inside
- On the hydraulic TopLink is a scale for a repeatable length
- Both TopLink's are equipped with a holding mechanism



(Hydraulic Toplink)



(Mechanical Toplink)

- + Adapts quickly to different implements and working conditions
- + Secure holding and stabilizer systems improve machine stability in field and transport

CONCEPT 3/4

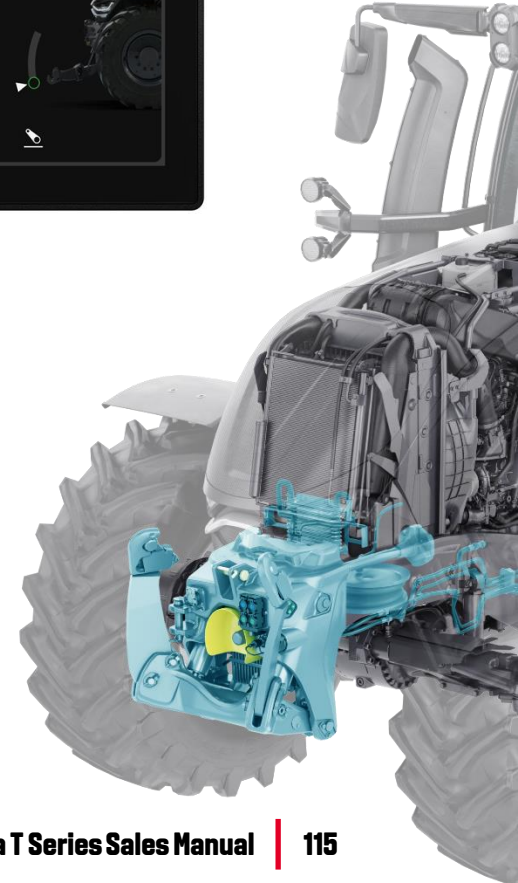


Front Linkage

- Frontlinkage operation directly via the **Hydraulic Controls**
- Individual linkage settings can be stored and recalled using **memory buttons**
- **Adjustable target set point** for precise linkage positioning
- Float position for optimal ground following
- **Double-acting** linkage cylinders for controlled lifting and lowering
- Optional pressure-free **return line**
- Up to two front hydraulic valves
- Optional front **ISOBUS** interface
- **Tool-free** folding Linkage mechanism for fast and convenient handling
- **Hooked-end front top link** with integrated park position and holder, fully integrated into the tractor design
- Possible to integrate fully in Headland Management

Technical Data

- Maximum Lifting force attachment point 4000kg
- Maximum Lifting entire range 32kN
- Lifting Range 750mm
- Category Size: 3 – 3L



OVERVIEW

- | | |
|---------------------------------|----|
| • Concept | 01 |
| • Work Hydraulic & Power Beyond | 02 |
| • Hydraulic Automatics | 03 |

VALTRA



CONCEPT

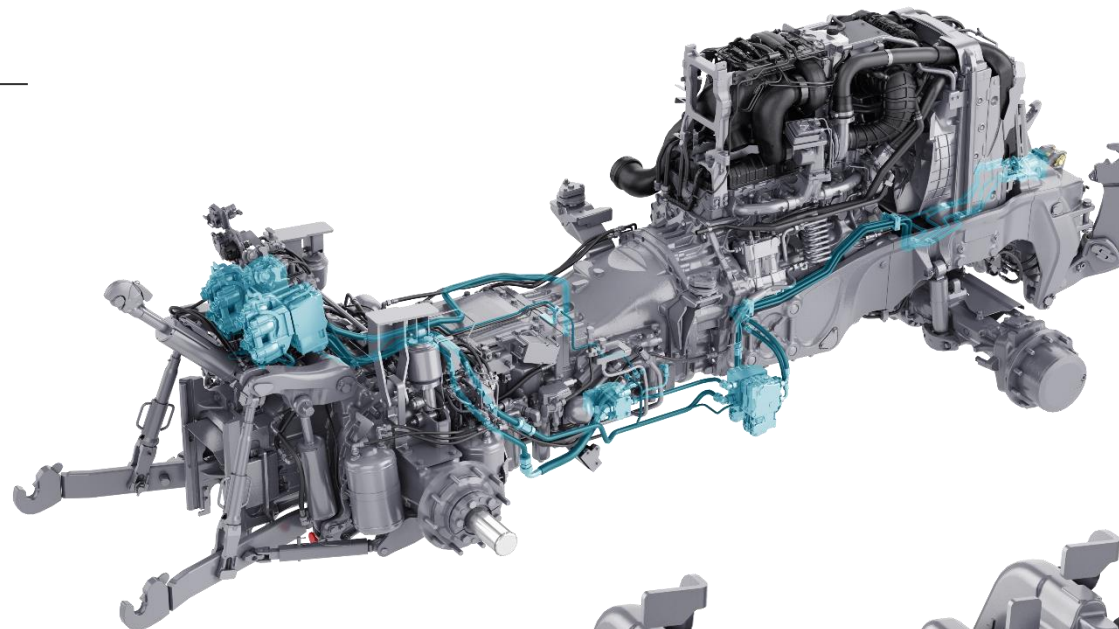


Hydraulic

- **3 Different Pump Options Powershift**
 - **115l/min** at 2100rpm
 - **160l/min** at 2100rpm
 - **200l/min** at 2100rpm
- **3 Different Pump Options CVT**
 - **110l/min** at 2100rpm
 - **150l/min** at 2100rpm
 - **190l/min** at 2100rpm

Technical Data

- **System pressure** = 205 bar
- **Plus +** = Blue
- **Minus -** = Green
- **Service interval Hydraulic Oil**= **2400h**



- + **Separate hydraulic and transmission oil circuits** for improved system protection and oil cleanliness
- + **Fully configurable hydraulic functions via the armrest** for intuitive and personalised operation
- + **Salmiakkki buttons freely programmable** for hydraulic valves, also operable via **mudguard buttons**
- + **Optional decompression lever** for safe and easy release of hydraulic pressure
- + **Self-closing hydraulic coupler flaps** prevent dirt and dust from entering the system
- + **hydraulic oil heat exchanger** ensures stable performance under continuous load



WORK HYDRAULIC 1/2

Hydraulic

- Maximum **4 Front + 4 Rear** (Active Gen2)
- Maximum **4 Front + 6 Rear** (SmartTouch Gen2)
- Base Couplers = Pin Couplers with **110l/min**
- Lever Couplers = **120l/min**
- Power Beyond all on one side (left)

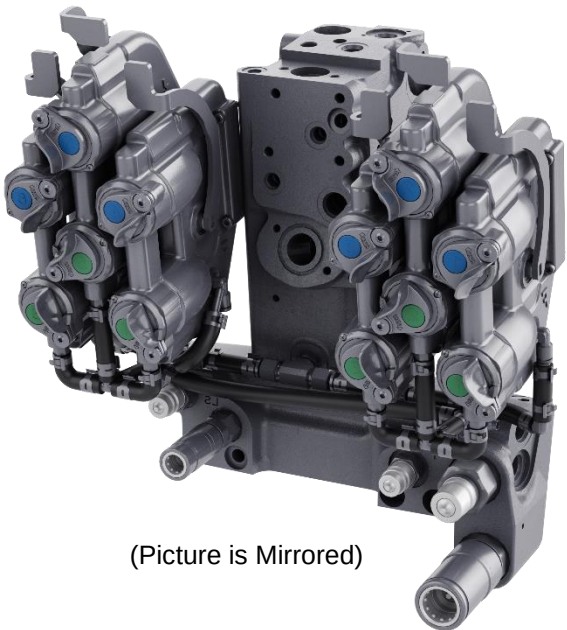
Technical Data

Return (PB T) = **1" or ¾"**
Pressure= **¾"**
LS= **3/8"** or **1/4"** Flat face

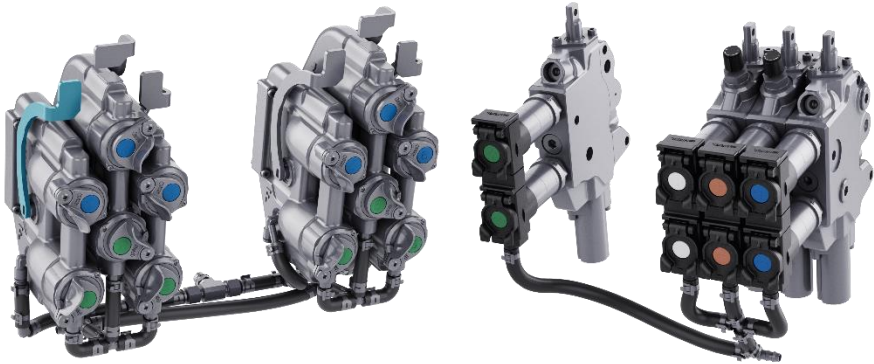
Exportable Oil Powershift = **55l**
Exportable Oil CVT = **75l**

Type	Mechanical Valves	Base	Lever	Electrical Valves	Base	Lever
Standard	3 Valves (1 Flow Control)	X	X	3 Valves (3 Flow Control)	X	-
Option 1	4 Valves (2 Flow Control)	X	X	4 Valves (4 Flow Control)	X	X
Option 2	-	-	-	5 Valves (5 Flow Control)	X	X
Option 3	-	-	-	6 Valves (6 Flow Control)	-	X

X= Available - = Not available



(Picture is Mirrored)



(Lever Coupler)

(Base Coupler)

WORK HYDRAULIC 2/2



Hydraulic Front

- Base Couplers = Pin Couplers with **110l/min**
- Optional Free Flow Return from Front End (**Male**)
- Multi coupler with 4 or 6 ports (Faster coupler)
- **Cylinder front valves** for smoother frontloader operation

Type	Electrical Valves	Description
Standard	0 Valves	No Front Valves
Option 1	1+2	Front loader + 1 plugged
Option 2	2+1 Valves	Front linkage + 1 quick coupler + 1 plugged
Option 3	2+2 Valves	Front loader + live 3 + 1 plugged
Option 4	2+2 Valves	2 plugged + 2 plugged



(4 Port coupler)



(6 Port coupler)

- + **Fast connection & workflow efficiency**
Multi-coupler (4/6 ports) enables quick, error-free implement changes
- + 110 l/min pin couplers ensure reliable oil flow for demanding front implements
- + **Flexible configuration**

WORK HYDRAULIC 3/3



Maximum (Active)

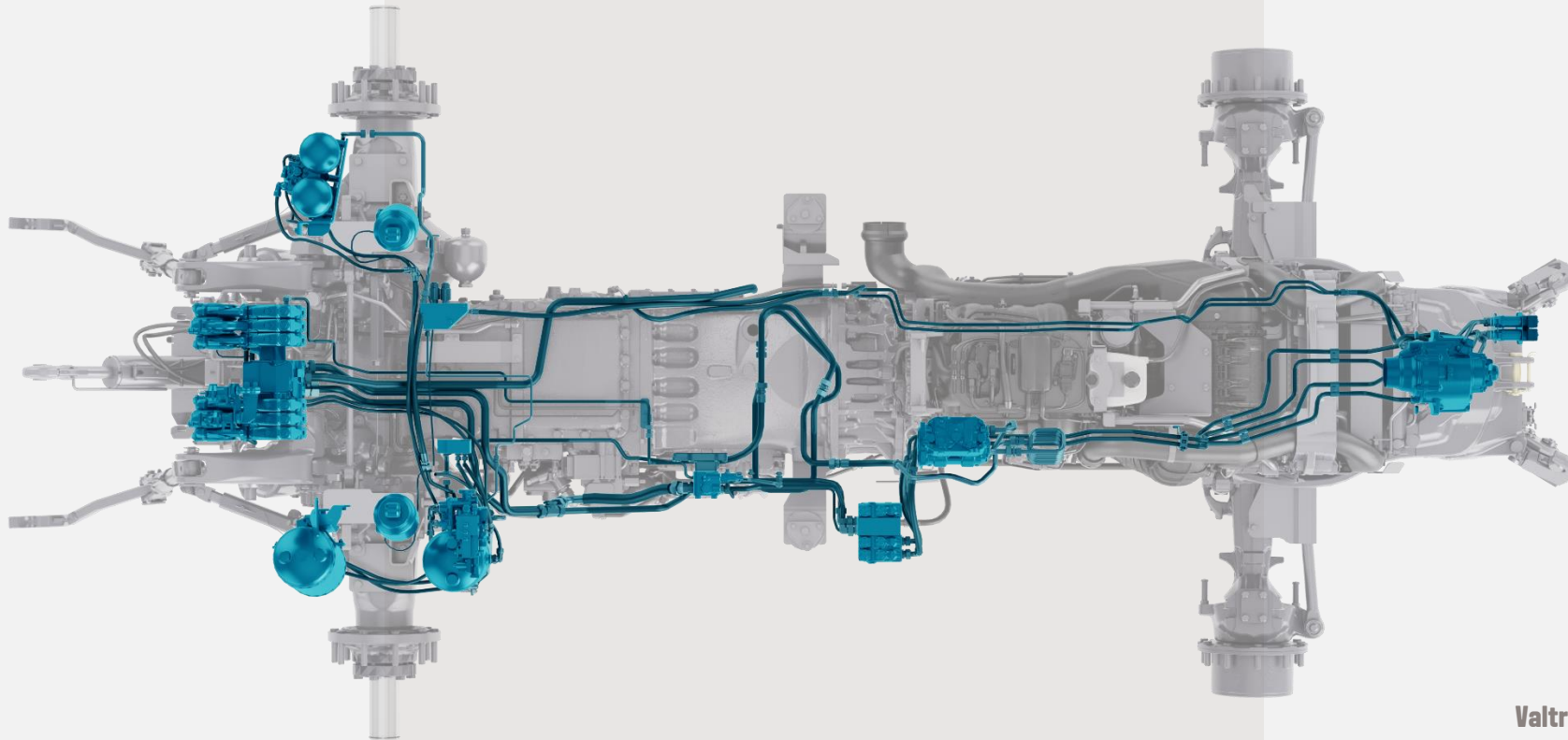
Maximum (SmartTouch)

Maximum (Active)

Maximum (SmartTouch)

Maximum (Active)

Maximum (SmartTouch)



OVERVIEW

• Concept	01
• Front Axle	02
• Rear Axle	03
• Brakes	04
• Tires	05
• CTIS	06
• Hitch	07
• Ballasting	08



CONCEPT 1/2



High Ground Clearance

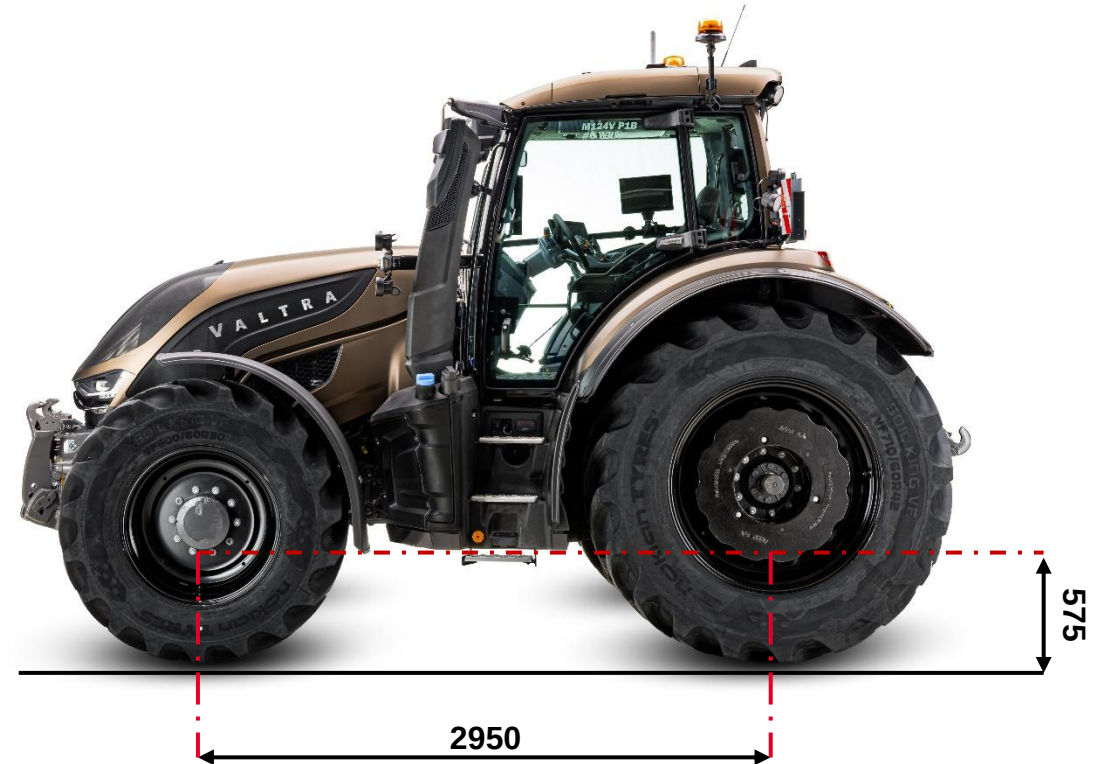
- **575mm flat-belly** design avoids crop damage and ground contact,
- no exposed hoses or **pipes reduces damage risk**,
- ideal for demanding field and **forestry work**

Long Wheelbase (2950 mm)

- Stable and balanced ride at higher speeds,
- improved traction and power transfer in field conditions,
- higher stability for front loader and linkage work, increased operator comfort

Technical Data

- Low power-to-weight ratio: **31 kg/hp – 7,600 kg / 245 hp (Powershift)**
- Power to weight : **31,8 kg/hp – 7,800 / 245 hp (CVT)**
- Payload-to-operating-weight ratio: **1.776 (Powershift) / 1.794 (CVT)**
- Max. front axle load: **9,200 kg**



- + **Outstanding manoeuvrability and compact design** → easier headland turns, higher efficiency and less time loss in the field
- + **High ground clearance with protected components** → reduced crop damage and lower risk of machine damage in demanding conditions

CONCEPT 1/2

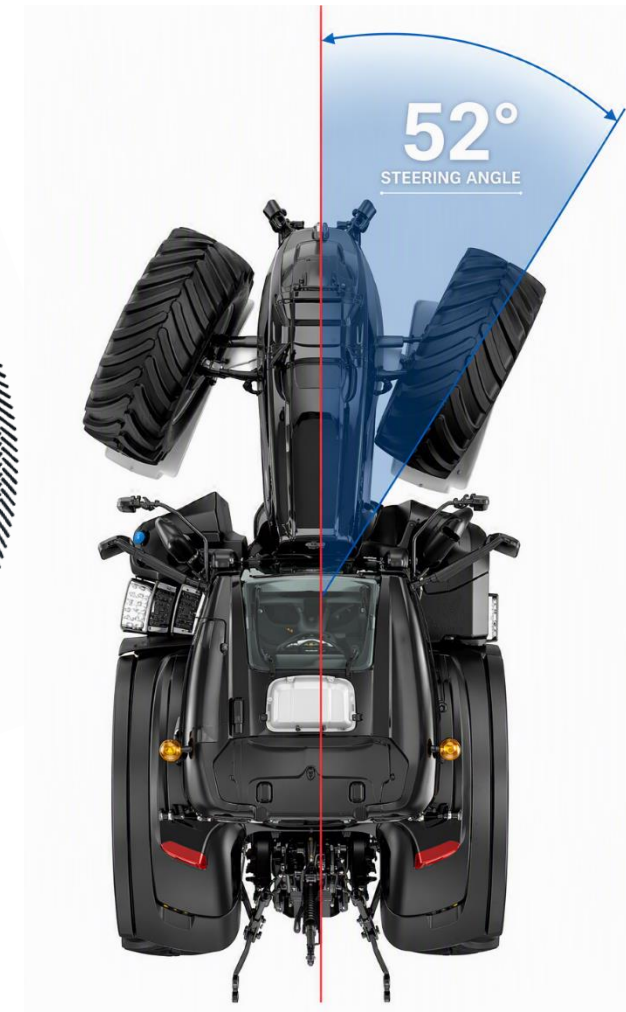
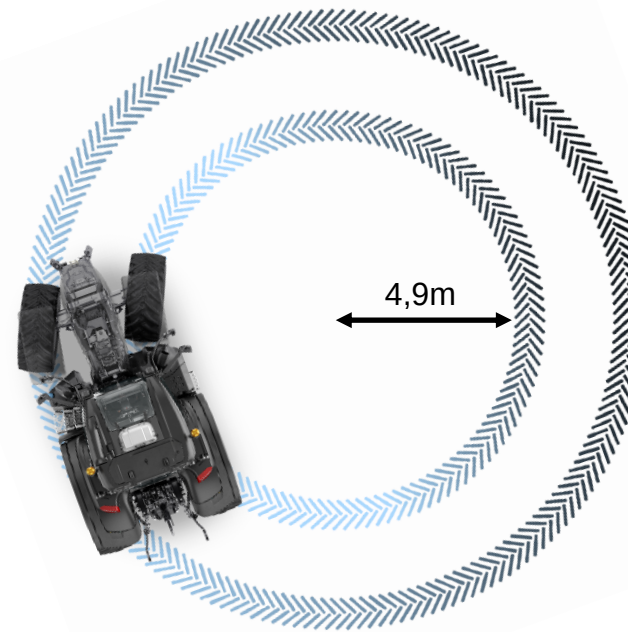


Compact & Maneuverability

- **Up to 4.9 m turning radius** for faster and more efficient headland turns (with 600/65R28 tires)
- Narrow frame design and optimized engine layout maximize steering angle for exceptional maneuverability
- Engineered from the ground up to achieve a best-in-class turning circle
- Rear-mounted engine timing gears reduce frame dimensions and create additional space for increased steering lock
- Optimized front axle stabilizer placement behind the axle further improves wheel articulation and turning performance

Technical Data

- **9%** narrower frame/engine design (40mm less from 460mm)
- **7% (4,9)** smaller turning radius compared to T5 (5,24m)



- + **Outstanding maneuverability and compact design** → easier headland turns, higher efficiency and less time loss in the field
- + **High ground clearance with protected components** → reduced crop damage and lower risk of machine damage in demanding conditions

FRONTAXLE



Front Axle

- Optimized for dual tires and heavy front-mounted implements
- Maintenance-free system for maximum uptime
- Manufactured by DANA
- AIRES air suspension: no compromises on comfort or damping performance
- Improved steering system vs. T5: faster response, higher precision, and enhanced comfort – even at transport speeds above 57 km/h

Front Axle Suspension

- Viscosity-independent air system ensures consistent suspension performance in all temperatures
- Air bellow integrated between axle and chassis, protected from external damage
- Maintenance-free design – no service required compared to hydraulic suspension systems with accumulators
- Suspension lock function controlled via SmartTouch

Technical Data

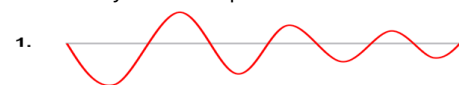
- 20% higher steering force compared to T5 (possible bigger tires etc)
- 15% higher Front axle load compared to T5 (5500kg to 6400kg)
- Under 8kmh 8300kg
- ± 50 mm suspension travel
- $\pm 7^\circ$ oscillation angle

+ **Maximum uptime with maintenance-free suspension** – No service-required design reduces downtime and operating costs compared to hydraulic systems.

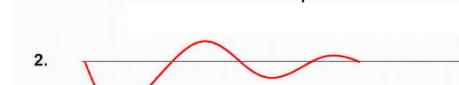
+ **Consistent comfort in all conditions** – Air suspension works independently of temperature and load, ensuring stable performance year-round.



Hydraulic Suspension travel



Aires+ Autocomfort Suspension travel



REARAXLE

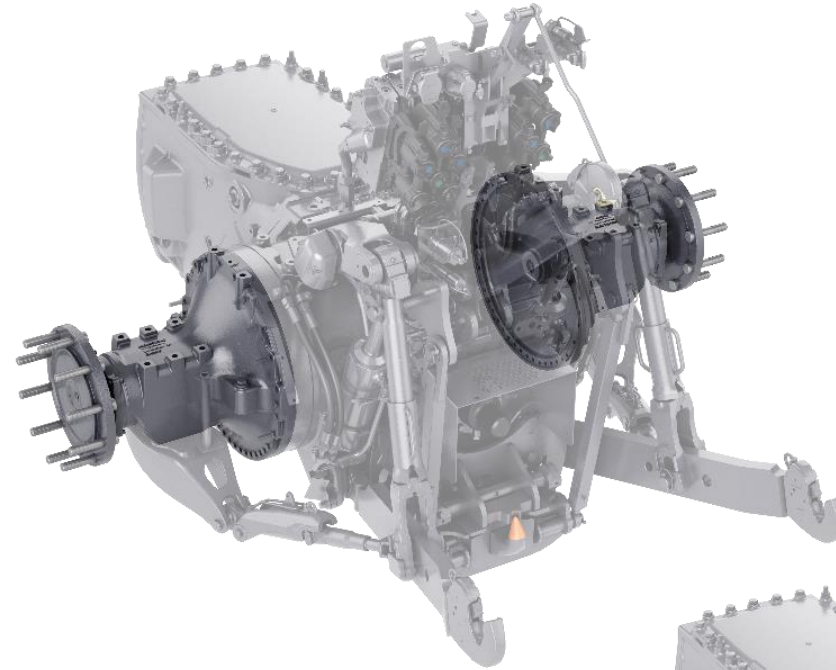


Axle

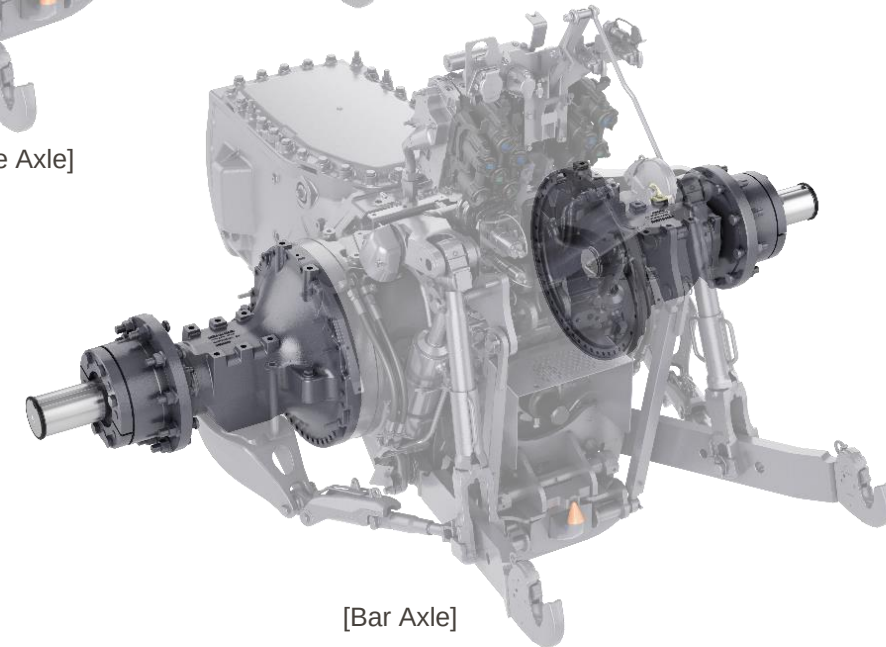
- Manufactured by AGCO in Suolahti
- Differential Lock engaged electro-hydraulic Multidisc activation
- Two rear axle options available: Bar axle or Flange axle
- Maximum gross vehicle weight: 14 t at 50 km/h (identical for both axle types)

Technical Data

- Rear axle (CVT): **AGCO ML 180**
- Rear axle (Powershift): **AGCO T760**
- Bar axle Diameter: **100mm**
- Flange to Flange (Flange axle): **1780mm**
- Flange to Flange (Bar axle): min.**1800mm** max.**2246mm**
- Number of wheel Bolts: **10**
- Bolts Size: **M22**
- Center Bore Diameter: **281mm**
- Bolt circle Diameter: **335mm**



[Flange Axle]



[Bar Axle]

- + **High durability and load capacity** → reliable performance with up to 13.5-14 t GVW, even at high transport speeds
- + **Flexible axle configuration** → bar or flange axle options to match different applications and wheel setups
- + **Safe traction in all conditions** → electro-hydraulic differential lock ensures optimal grip and stability

BRAKES 1/2



Braking System

- Fully pneumatic braking system with spring brake actuator on the rear axle and a directly pneumatically controlled driveline brake
- Electronically monitored air dryer system (single or twin chamber, depending on compressor specification)
- Steering Brake as Standard

Technical Data

- Multi-disc brakes on rear axle and 4WD clutch engagement for four-wheel braking (CVT only)
- Front axle Brake **only** available for **Powershift**
- **20l Air reservoir** (with Airbrake system)



(Steering brake)

- **Maximum safety and control**
Fully pneumatic braking system with spring brake actuator ensures reliable stopping performance and secure holding, even under heavy loads or on slopes.
- **Consistent braking performance in all conditions**
Electronically monitored air dryer system guarantees stable air pressure and prevents moisture issues → reliable operation in all weather conditions.
- **Improved manoeuvrability and efficiency**
Standard steering brake allows tighter turning and better control during fieldwork → reduces headland time and increases productivity.
- **Strong and balanced braking power**
Multi-disc rear brakes combined with 4WD braking (CVT) deliver effective deceleration across all wheels → safer transport and field operation, even with heavy implements.

BRAKES 2/2



Braking System

Description

The hydraulic power brake system uses hydraulic pressure stored in an accumulator to provide braking force. When the operator presses the brake pedal, a pedal valve regulates the required pressure to the brake circuit. This system reduces pedal effort and allows more precise, comfortable braking compared to conventional brake systems.

Key Customer Benefits

Pedal Effort

Hydraulic assistance significantly reduces the force required to apply the brakes, improving operator comfort during long working days.

Consistent Braking Performance

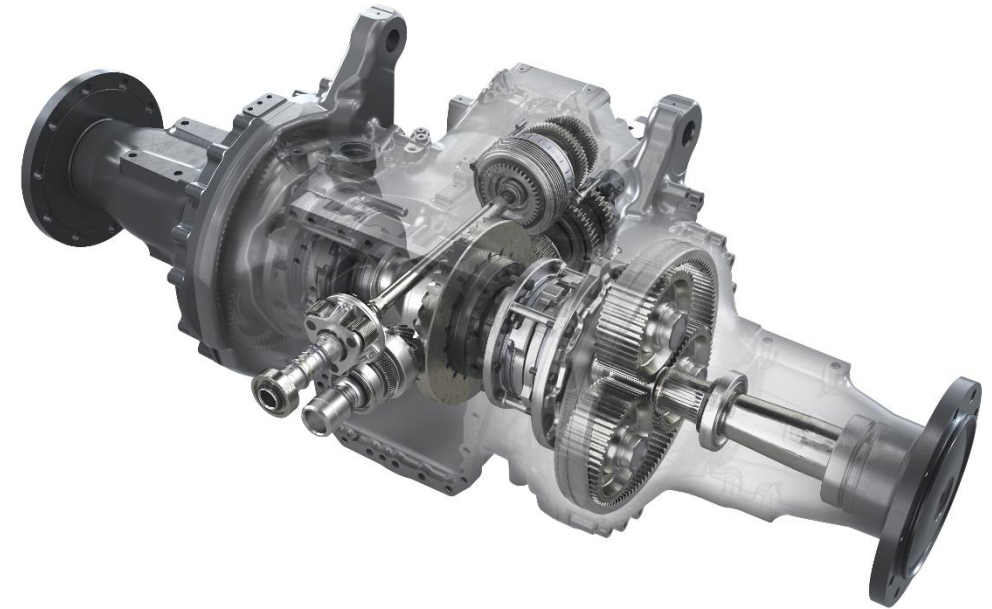
Pressure stored in the accumulator provides reliable braking response regardless of engine speed or operating conditions.

Improved Driving Comfort

Shorter pedal travel and optimized pedal feel make braking smoother and less tiring, especially during transport work.

Enhanced Safety and Control

Fast brake response and precise pressure modulation improve control of the tractor and trailer combination in all conditions.



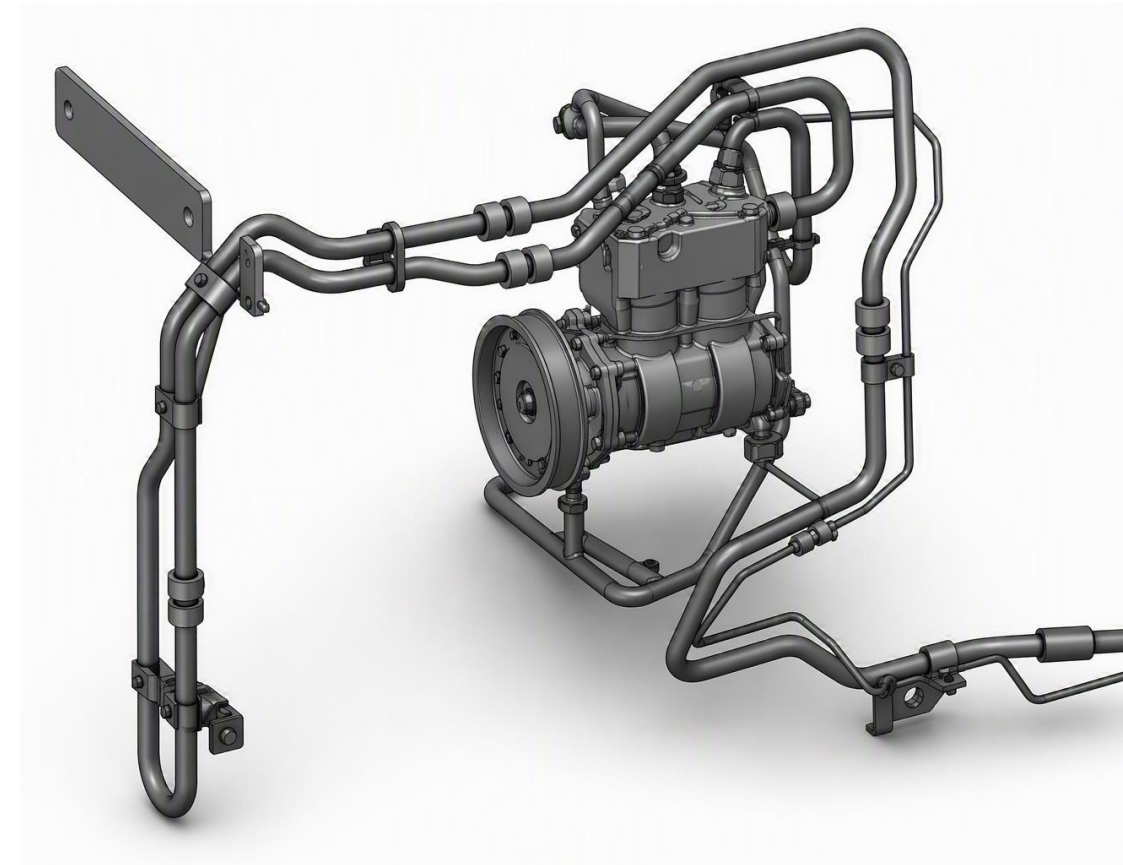
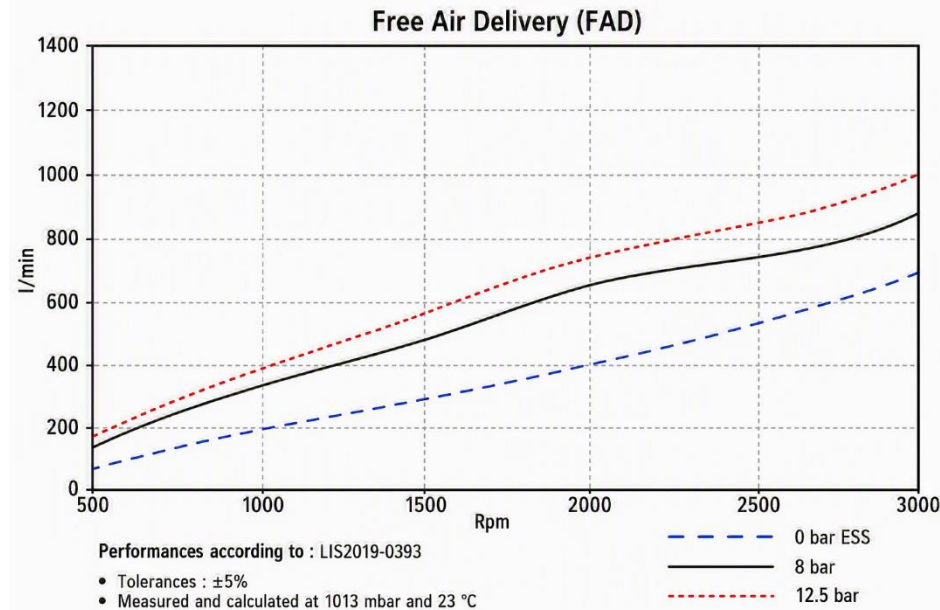
- The hydraulic power brake system in the Valtra T Series delivers car-like braking comfort with minimal pedal effort, while ensuring fast, consistent, and safe braking performance in every transport situation

HIGH-CAPACITY AIR COMPRESSOR 1/2



High Capacity Air Compressor

- Increased compressor capacity for demanding trailer and CTIS applications
- Continuous air supply even under high pneumatic loads
- Reliable braking performance **for large trailer combinations**
- Supports uninterrupted **CTIS operation** in the field and on the road
- Built for heavy-duty transport and long working days
- Added confidence when every bar of air pressure counts
- **158% more** capacity compared to Standard Compressor (310l/min to 800l/min)

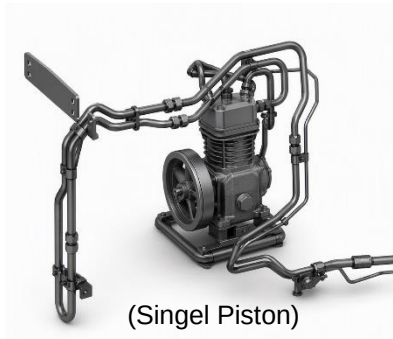


HIGH-CAPACITY AIR COMPRESSOR 2/2



CTIS Theoretical refilling time

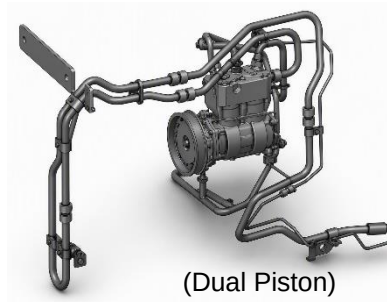
- **310l/min** Standard Compressor (at 2100rpm)
- Tires VF 600/60R28 (Front)
- Tires VF 710/60R38 (Rear)
- Needed Air Volume: **4231l**
- **13,6min** Filling time from **0,8 bar** to **1,8 bar**



(Singel Piston)

CTIS Theoretical refilling time

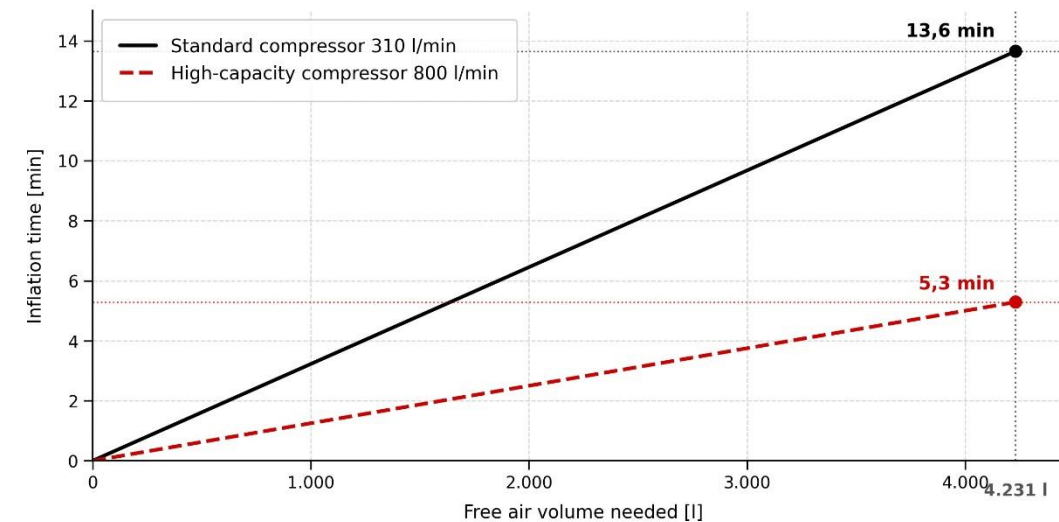
- **800l/min** High-Capacity Compressor (at 2100rpm)
- Tires VF 600/60R28 (Front)
- Tires VF 710/60R38 (Rear)
- Needed Air Volume: **4231l**
- **5,3min** Filling time from **0,8 bar** to **1,8 bar**
- **61% less** refilling time



(Dual Piston)

- **Up to 61% faster CTIS pressure adjustments** compared to the standard compressor
- **2.6x higher air delivery rate** for maximum productivity
- **Ideal for CTIS and high air-demand trailers** with air suspension or air lifting cylinders
- **Less waiting, more working** – faster transitions between road and field

CTIS Air Volume vs. Inflation Time



Example: pressure increase 0,8 -> 1,8 bar | Tire air volume: 4.231 l | theoretical values without losses

CENTRAL TIRE INFLATION SYSTEM 1/2



Added Value of Central Tire Inflation System (CTIS)

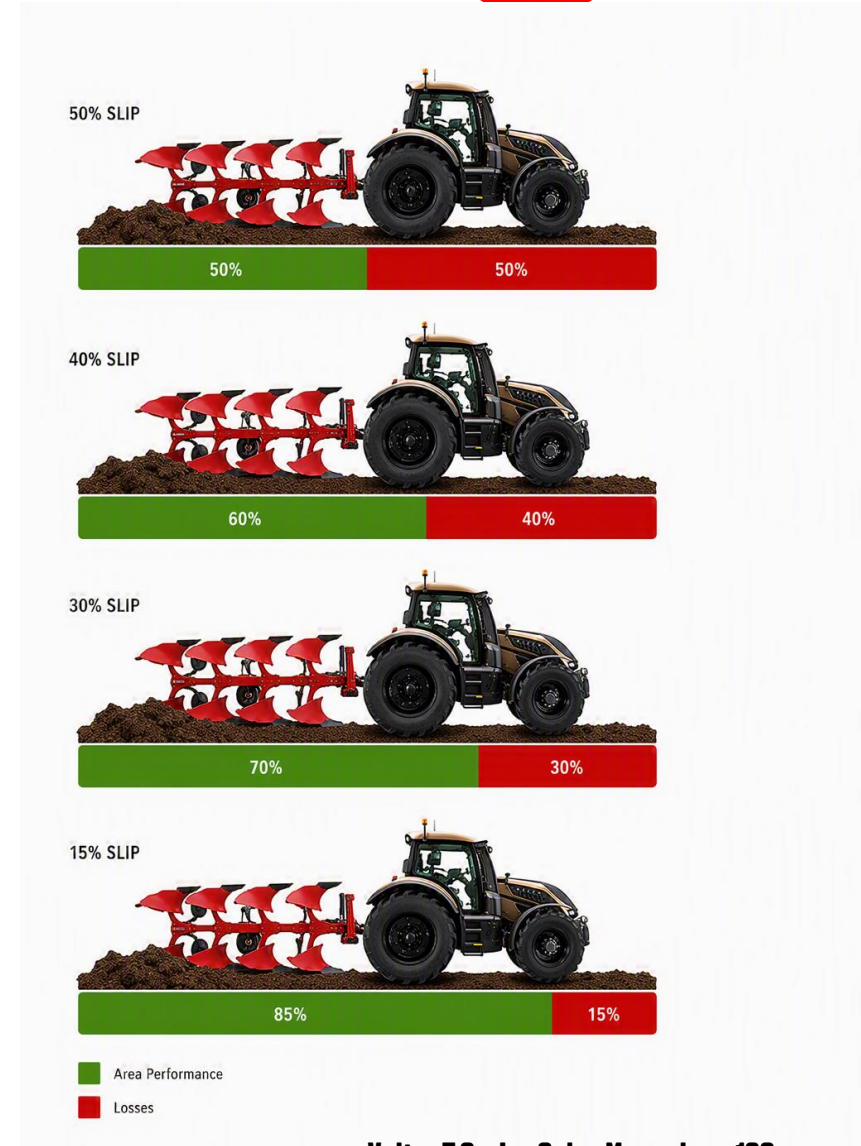
- Always optimal pressure for the application → higher traction in the field, reduced wear on the road
- Reduced soil compaction → larger footprint, better load distribution, healthier soil
- Increased efficiency
→ up to lower fuel consumption and higher area performance due to reduced slip

Technical Data

High-capacity compressor: **800 l/min at 2100 Engine RPM**

Standard Compressor: **310 l/min at 2100 Engine RPM**

- Optional high-capacity vehicle compressor for faster and more efficient pressure control
- Up to 10% higher traction combined with up to 8% reduced fuel consumption while increasing area performance by 8%
- Improved driving stability and enhanced safety, especially during transport operations
- Lower rolling resistance for optimized efficiency and reduced fuel usage



CENTRAL TIRE INFLATION SYSTEM 2/2



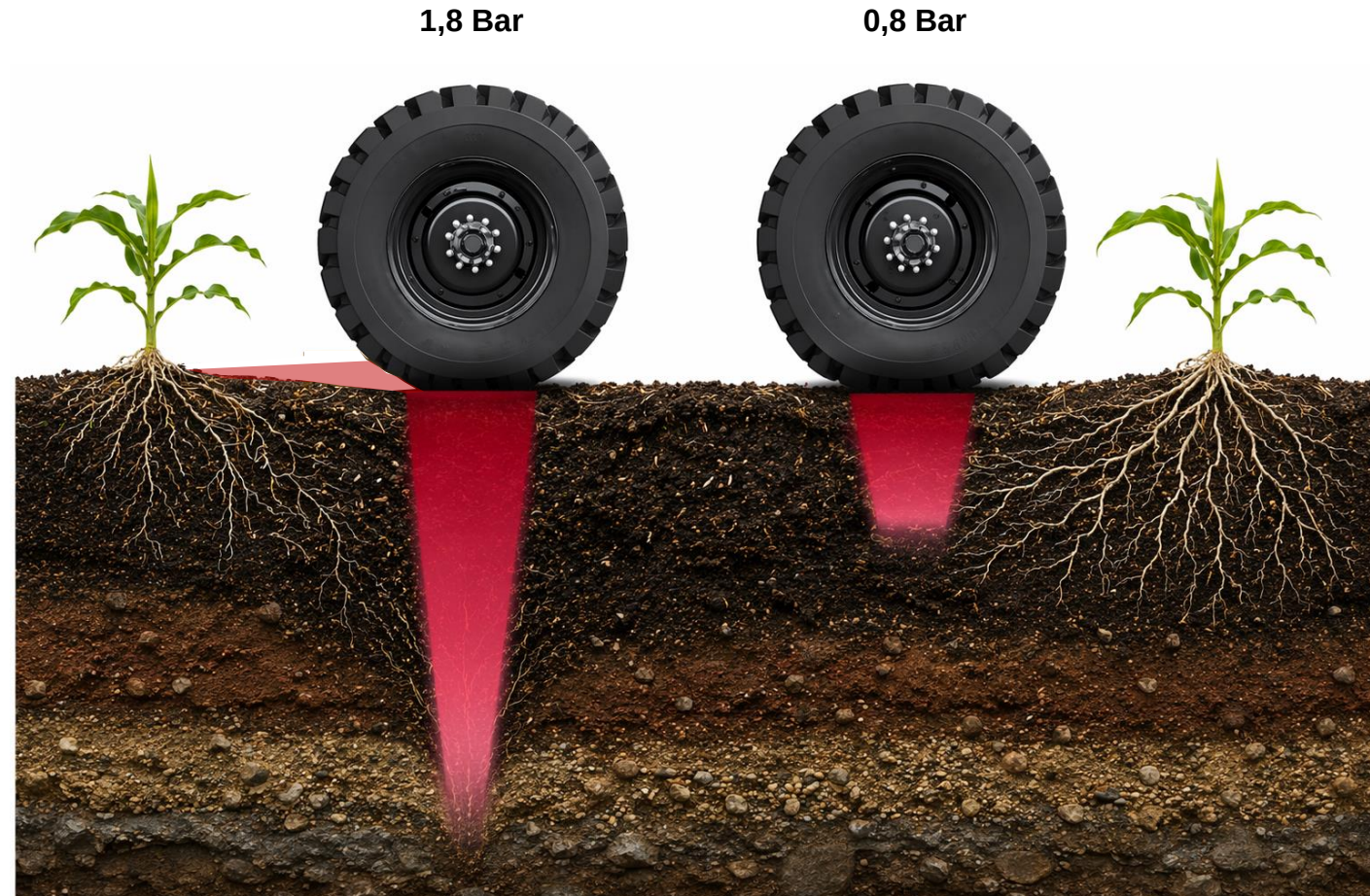
Optimized Tire Pressure for Maximum Soil Protection & Yield

- Correct tire pressure reduces the bulldozing effect (soil displacement as shown in red in the left image)
- Lower soil disturbance protects soil structure and moisture balance
- Improved root development → higher crop yield potential

Technical Data

Refilling time High-capacity compressor: **ca. 5,3min**
Refilling time Standard Compressor: **ca. 13,6min**
VF 600/60R28+VF 710/60R38

- Reduced tire wear, contributing to lower operating and maintenance costs
- Intuitive operation via the terminal, with optional control through **ISOBUS AUX** for maximum convenience
- Significantly reduced ground pressure to protect soil structure and minimize compaction
- High operational flexibility thanks to fast inflation and deflation cycles



TIRES 1/3

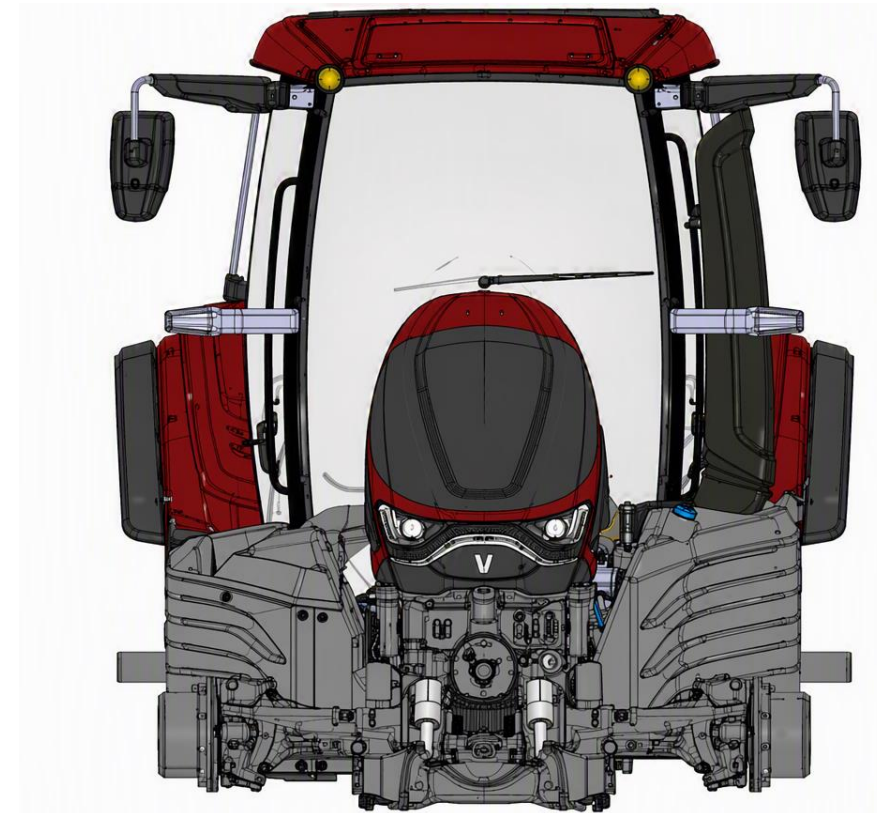
Key Features

Rear maximum SRI :**925mm**
Rear minimum SRI :**875mm**

Front maximum SRI :**725mm**
Front minimum SRI :**675mm**

Minimum track width:**1920mm**
Maximum track width:**1970mm**

- **Flexible tyre configuration for every job** → ensures optimal machine setup, maximum versatility and higher utilization
- **Optimized tyres reduce operating costs** → lower wear and fuel consumption while improving traction and protecting the soil
- **CTIS with large tyres boosts field performance** → up to 10% more traction and efficiency with maximum soil protection



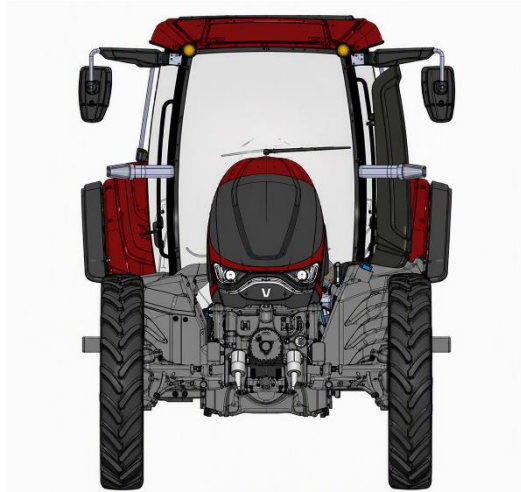
Flange to Flange front/rear 1900 / 1800mm

Min overall width front/rear 2401 / 2412mm

TIRES 2/3



Row Crop



Standard



Wide



Brand	Dimension	SRI	Trackwide min	Trackwide max
Michelin AgribibRC	320/85R34	675	1550	2274
Agribib2	IF320/90R50	900	1492	2660
Michelin AgribibRC	380/85R30	675	1550	2270
Agribib2	IF380/90R46	900	1475	2600
	380/85R30	675	1550	2270
Michelin Agribib2	420/80R46	875	1500	2560
Trelleborg TM600			1550	2270
Mitas AC85	420/85R28	675		
Michelin Agribib	480/80R42	875	1500	2560
Trelleborg TM600			1550	2274
Mitas AC85	380/85R34	725		
Michelin Agribib	480/80R46	925	1575	2500
Trelleborg TM600			1550	2270
Mitas AC85	420/90R30	725		
Michelin Agribib	480/80R46	925	1575	2500

Dimension	SRI	Trackwide min	Trackwide max
420/85R28	675	1550	2270
520/85R38	875	1650	2315
460/85R30	725	1550	2270
520/85R42	925	1650	2460
440/80R28	675	1856	1970
540/80R38	875	1766	2315
		1550	2270
480/70R28	675		
580/70R38	875	1690	2315
		1550	2270
480/70R30	700		
620/70R42	925	1720	2340
		1550	2270
540/65R30	700		
620/70R42	925	1720	2340

Dimension	SRI	Trackwide min	Trackwide max
540/65R28	675	1550	2270
650/65R38	875	1760	2315
600/60R28	675	1904	1920
650/65R38	875	1760	2315
VF600/60R28	675	1904	1920
VF650/65R38	875	1760	2315
		1826	2000
VF600/60R28	675		
VF710/60R38	875	1880	2260
		1550	2270
600/65R28	700		
710/70R38	925	1830	2260
		2080	2080
710/55R30	725		
900/50R42	950	2080	2080

TIRES 3/2

Technical Data

Type	Ratio (I)
Axle ratio 40kmh CVT	35.964
Axle ratio 50kmh CVT	35.964
Axle ratio 57kmh CVT	35.964
Axle ratio 40kmh 10PS	36.19
Axle ratio 50kmh 10PS	28.831
Axle ratio 57kmh 10PS	28.831
Axle ratio 40kmh 5PS	36.19
Axle ratio 50kmh 5PS	28.831
Axle ratio 57kmh 5PS	28.831

- **Flexible tyre configuration for every job** → ensures optimal machine setup, maximum versatility and higher utilization
- **Optimized tyres reduce operating costs** → lower wear and fuel consumption while improving traction and protecting the soil
- **CTIS with large tyres boosts field performance** → up to 10% more traction and efficiency with maximum soil protection



Trelleborg TM600

High traction radial tire with excellent self-cleaning for mixed applications.



Trelleborg TM 1000 High Power 1

High power tire designed for superior traction and long service life.



Nokian TRI 2

Universal radial tire with excellent traction and good self-cleaning.



Nokian Soil King

Radial tire for soil tillage and transport with excellent traction and durability.



Michelin AGRIBIB

High performance radial tire offering comfort, traction and fuel efficiency.



Michelin AXIOBIB

Versatile radial tire providing high traction and excellent stability.



Michelin EVOBIB

High traction radial tire with excellent grip and resistance.



Michelin MACHXBIB

Radial tire designed for high power tractors, offering superior traction and load capacity.

BALLASTING 1/2

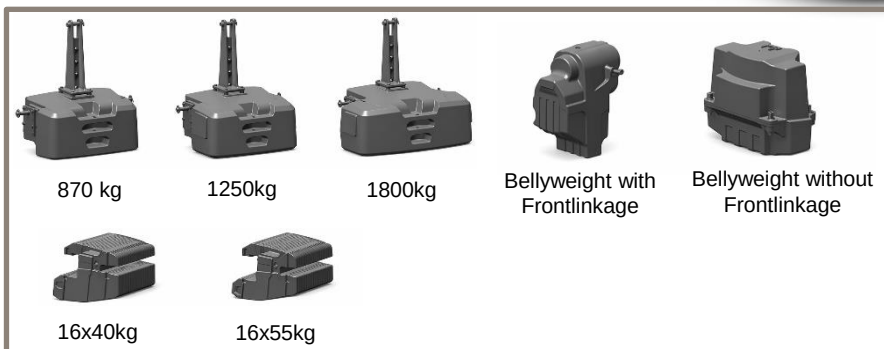
CVT



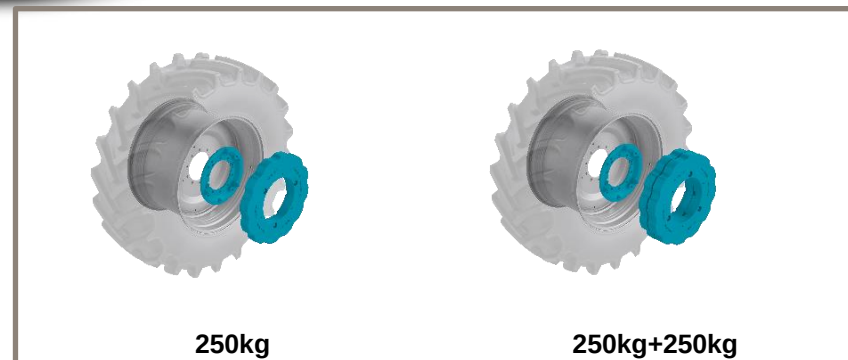
47%



53%



Weight: 7800kg
MGW: 14000kg



- + The lightweight base tractor can be individually ballasted to match specific requirements, ensuring optimal traction and power transfer.
- + Fully road-legal ballasting concept with no speed restrictions or special marking requirements.
- + Excellent maneuverability and visibility always, even in low-light conditions, thanks to compact front weight dimensions and an unobstructed headlight beam (low and high beam).

BALLASTING 2/2

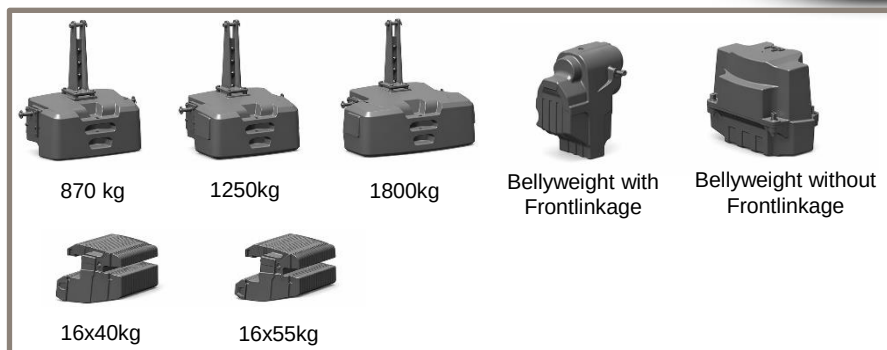
POWERSHIFT



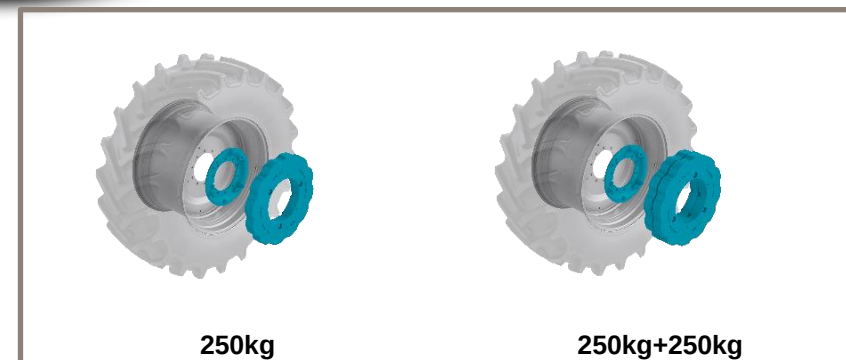
46%



54%



Weight: 7600kg
MGW: 13500kg

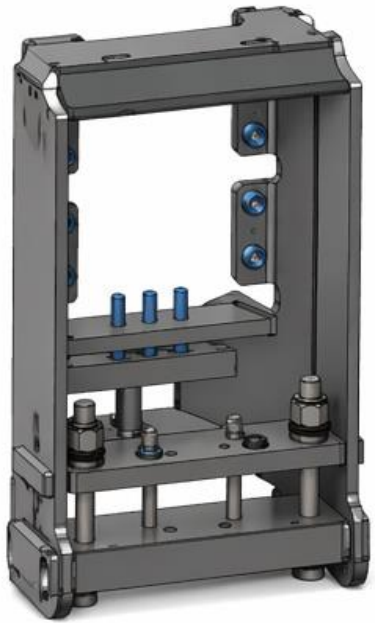


- + The lightweight base tractor can be individually ballasted to match specific requirements, ensuring optimal traction and power transfer.
- + Fully road-legal ballasting concept with no speed restrictions or special marking requirements.
- + Excellent maneuverability and visibility always, even in low-light conditions, thanks to compact front weight dimensions and an unobstructed headlight beam (low and high beam).

ATTACHEMENTS FRAMES 1/2



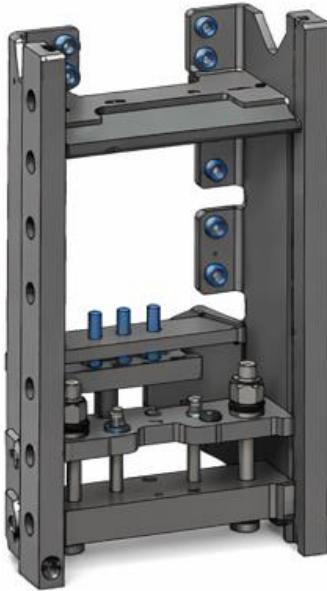
Attachement Frames Powershift



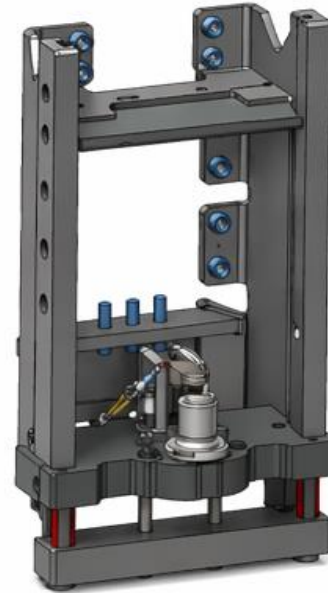
36183900
AGRICULTURAL DRAWBAR
CAT2,
SWINGING, FOR FRAME



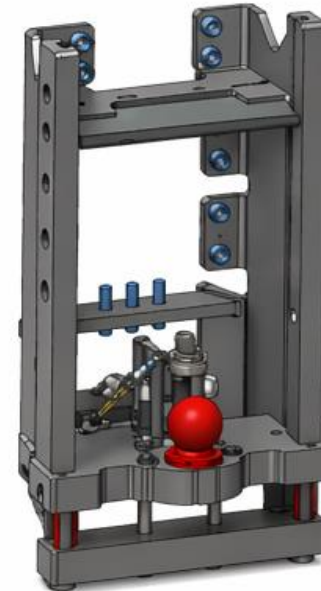
64149100
STD FRAME 390 MM



64149700
UNIVERSAL FRAME, 390 MM



64149300
STD FRAME WITH PITON
FIX, 390 MM



64149500
STD FRAME WITH K80,
390 MM

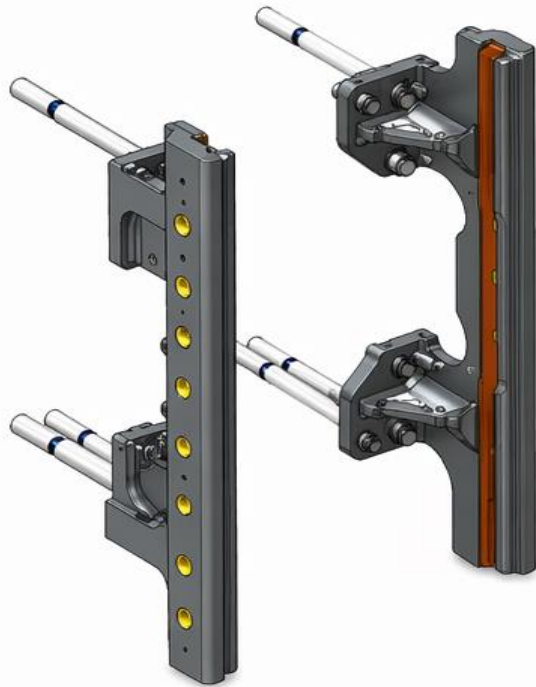


64084600
SHORT FRAME

ATTACHEMENTS FRAMES 2/2



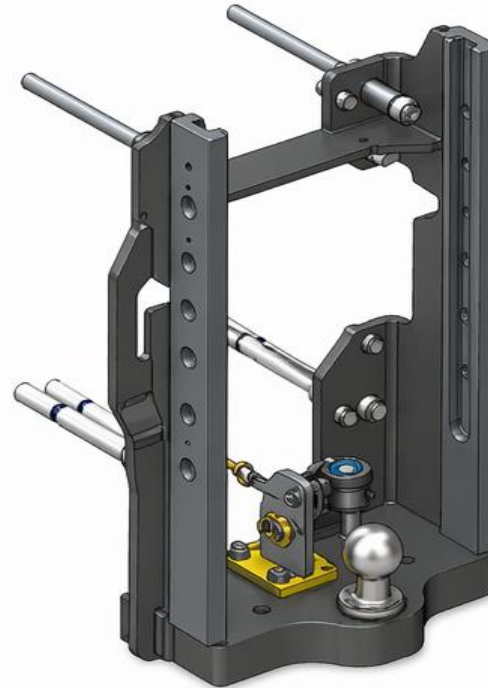
Attachement Frames CVT



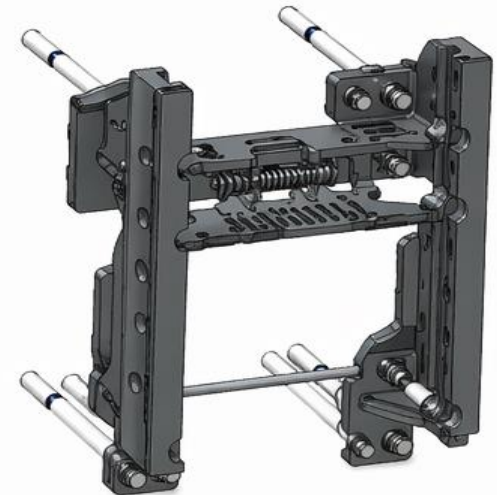
64280500
MODULAR FRAME (390 MM)



64149300
STD FRAME WITH PITON FIX, 390 MM



64149500
STD FRAME WITH K80, 390 MM



64084600
SHORT FRAME

ATTACHEMENTS DRAW BAR 1/2



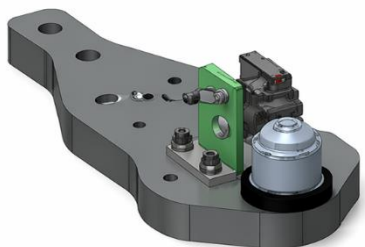
Attachement Draw Bar Powershift



36183900
AGRICULTURAL DRAWBAR CAT2,
SWINGING, FOR FRAME



64085000
DRAWBAR FOR TOWING FRAME



64299300
HD K80 DRAWBAR PLATE



64084100 DRAWBAR

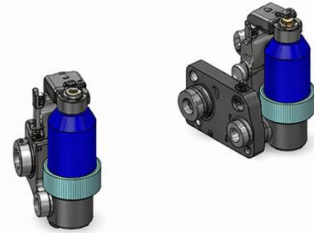
ATTACHEMENTS DRAW BAR 1/2



Attachement Draw Bar CVT



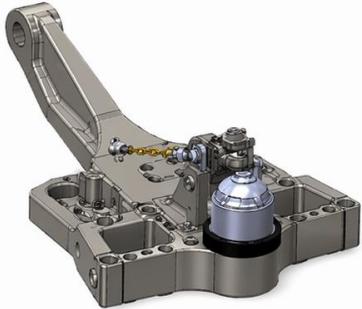
64280600
DRAWBAR FOR MODULAR FRAME, CAT2



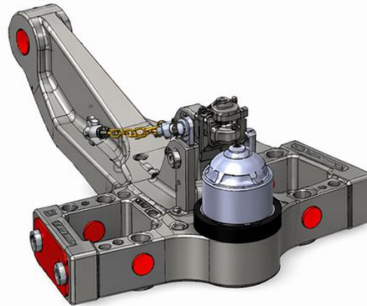
64298500
STEERING BALLS, 2 PCS



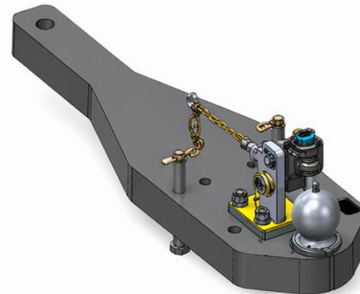
64085000
DRAWBAR FOR TOWING FRAME



64299400
HD K80 DRAWBAR PLATE,
EXTENDED



64299300
HD K80 DRAWBAR PLATE

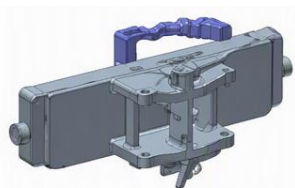


: 64299300
HD K80 DRAWBAR PLATE

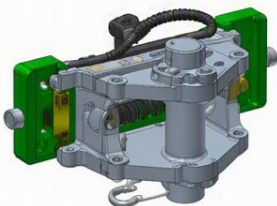
ATTACHEMENTS TRAILER COUPLING 1/2



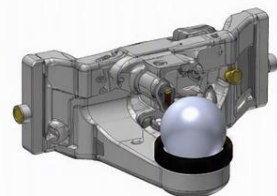
Attachements Trailer Coupling Powershift



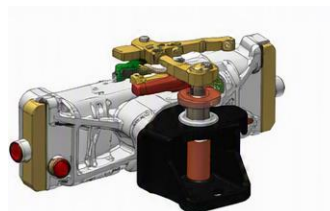
36183400
TRAILER COUPLING C



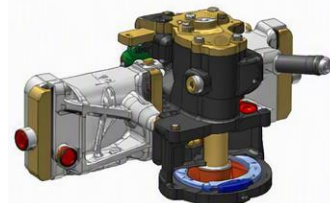
36183600
TRAILER COUPLING D3



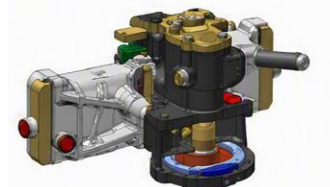
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TRAILER COUPLING K80



36183700
TRAILER COUPLING D



36183200
TRAILER COUPLING A10

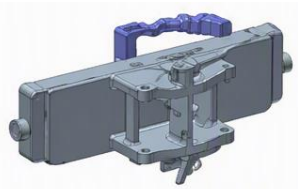


36183300
TRAILER COUPLING A11

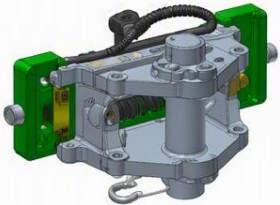
ATTACHEMENTS TRAILER COUPLING 2/2



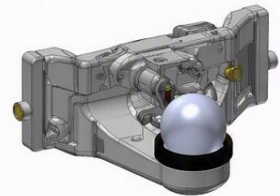
Attachements Trailer Coupling CVT



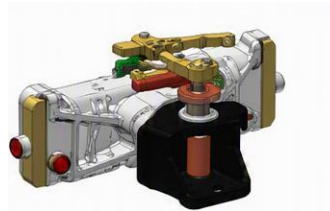
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TRAILER COUPLING C



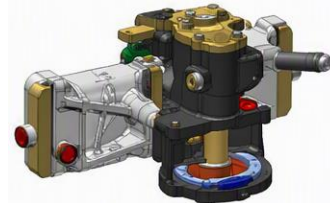
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TRAILER COUPLING D3



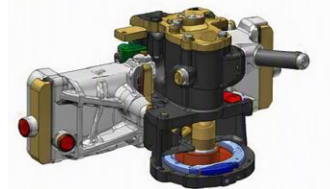
64085100
TRAILER COUPLING K80



36183700
TRAILER COUPLING D



36183200
TRAILER COUPLING A10



36183300
TRAILER COUPLING A11

OVERVIEW

- Front Loader Offering

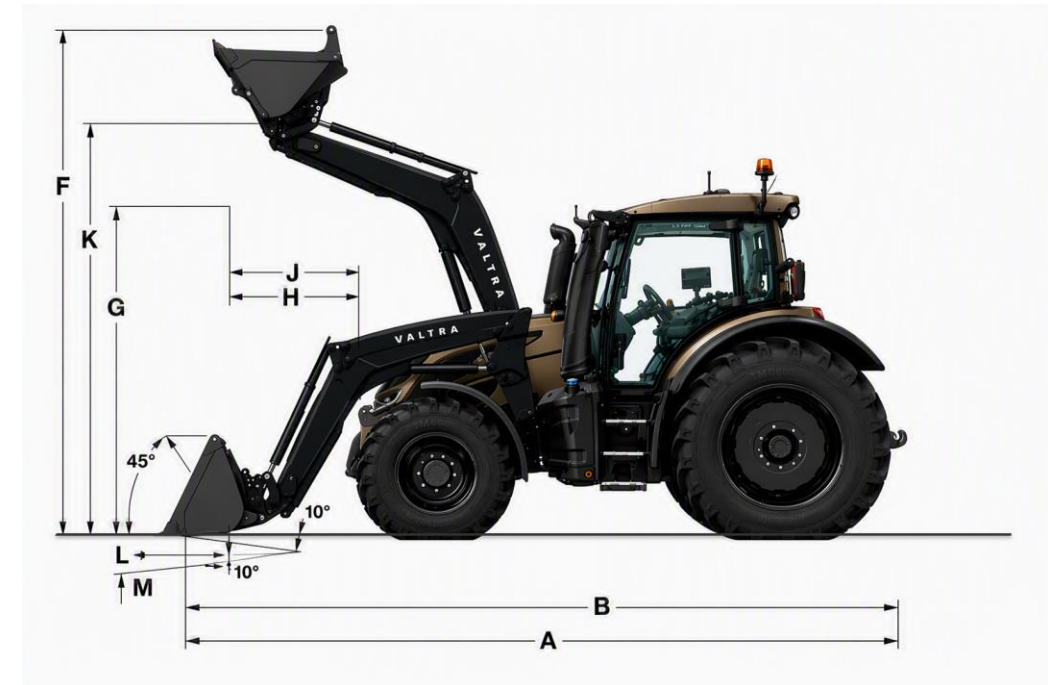
01



FRONT LOADER OFFERING



Model	Unit	Position	G6S EXT	G6M EXT	G6L	G7S	G7M	G7L
Arm width (C-C)	mm		1200	1200	1200	1200	1200	1200
Frontloader weight	Kg		720	720	720	760	830	820
Lift cylinder diameter	mm		85/45	90/50	85/45	90/45	95/50	95/50
Bucket cylinder diameter	mm		85/40/40	95/40/40	90/40/40	90/40/40	100/45/45	100/45/45
Maximum lift height at pivot pin	m		4,25	4,25	4,55	4,60	4,60	4,75
Maximum lift height under level bucket	m		3,95	3,95	4,25	4,30	4,30	4,45
Maximum dump angle at maximum height	Degree		57	57	53	54	54	53
Maximum rollback angle at maximum height	Degree		60	60	63	62	62	59
Maximum rollback angle at 60 cm from ground	Degree		58	58	59	58	58	57
Lift capacity at maximum height	kg		2260	2600	2040	2300	2600	2100
Lift capacity at 1.5 m height	kg		2470	2830	2230	2570	2400	2400
Rollback force at ground level	kg		3520	4690	4130	4110	5080	5030
Digging depth	mm		154	154	194	154	154	169



Available for:

Model	G6S	G6M	G6L	G7S	G7M	G7L
N Series						
T Series						
Q Series						