

TRAILED
AEON



HARDI – Your Crop Care Partner


4200 / 5200
6000 / 7000 l


DELTA FORCE 24-39 m
TWIN FORCE 24-36 m



AEON



For more info visit:
aeon.hardi.com

The future of crop care

Discover the best in precision farming: The HARDI AEON

The HARDI AEON is a high-tech sprayer guided by the principles of lean farming – to do more with less. We have used the latest technology and the newest automation solutions to allow farmers to improve productivity while reducing waste. The AEON sets a new benchmark for increasing food production in the face of growing environmental and climatic concerns.

The AEON has been developed with the operator in mind. No detail has been left to chance in the search to optimise user-friendliness and operator safety. It is built to last, but without compromising on design. It is a dazzling machine with a sleek design, smooth surfaces and covers to protect all vital parts and a dynamic outline

that conceals a newly developed chassis. With the unique tank design in the sizes 4200, 5200, 6000 and 7000 l for maximum stability and high capacity, the AEON is your working companion for all conditions.

The AEON offers perfect tracking, full suspension and a fully remote-operated spraying system. The TWIN FORCE booms focuses on delivering precise spraying with its unique air-assistance mechanism, reducing drift and ensuring optimal chemical use.

The DELTA FORCE is a hallmark of stability, providing consistent application across varying terrains. Meanwhile, the PulseSystem

sets a new standard in application, guaranteeing precision at every turn. Combine this with incredibly fast fluid regulation, pressurised boom circulation and an exceptional boom management system, and the result is outstanding boom stability, spraying precision and drift control – which translate into real savings for the farmer.

In our quest to put the right dose in the right place at the right time, we are driven by data, and the AEON offers cutting-edge connectivity for field mapping and remote diagnostics. With an AEON you are prepared for the future!



Tank
4200 / 5200 / 6000 / 7000 l



FluidBox 7000 / 8000 – Remote fluid system
Direct access to intelligent operations



2-line pneu. brake and hydraulic suspension
Optimal stability and absorption



Booms with exceptional stability
DELTA FORCE 24-39 m
TWIN FORCE 24-36 m



DynamicFluid4
Fast and precise fluid control



ComfortTrack – Precise wheel steering
Always follows the tractor's rear wheels

Superior balance and efficiency



Excellent tank design for perfect weight distribution

With the AEON, we have outdone ourselves in the search for maximum driving stability.

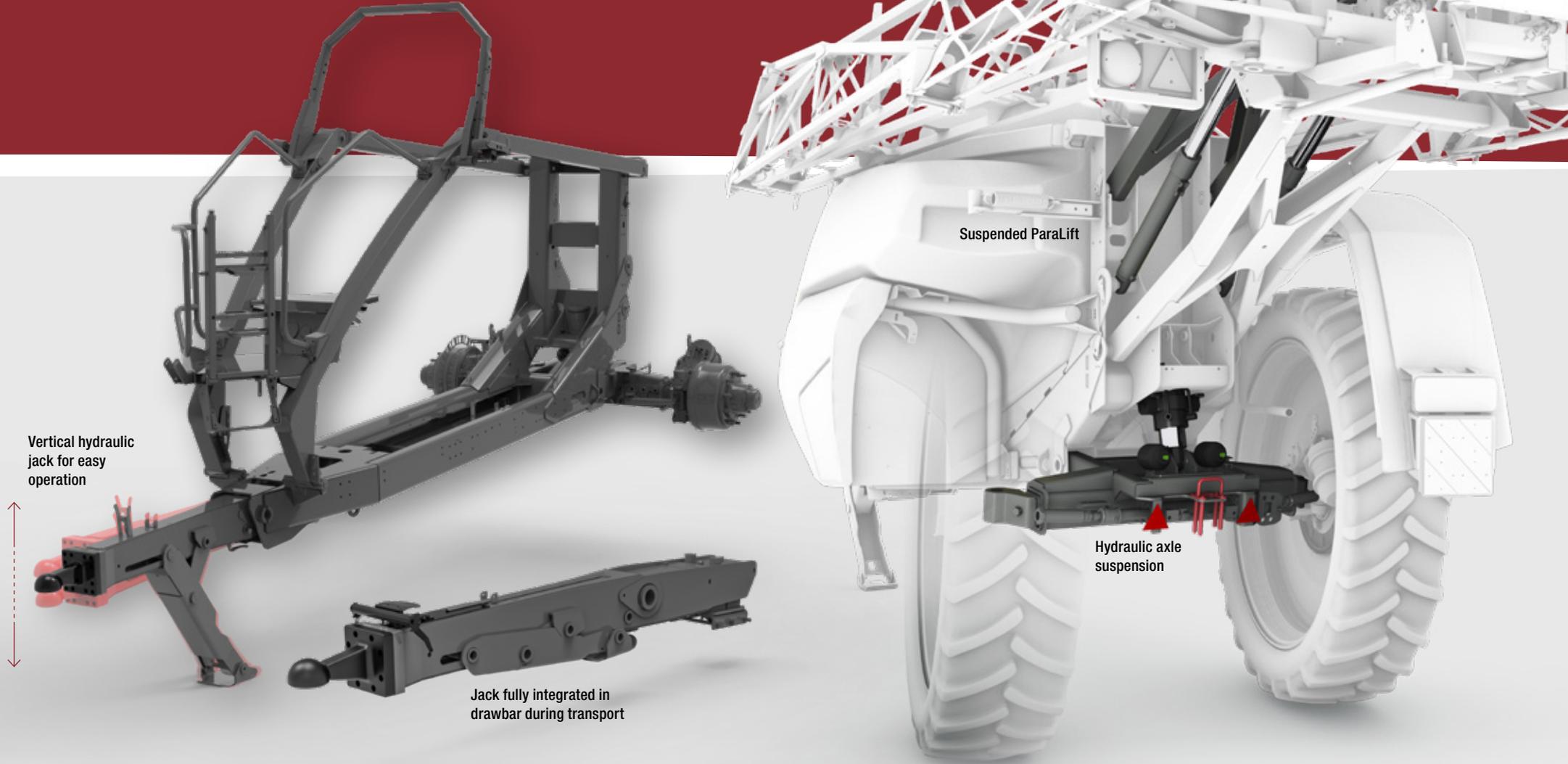
We have set out to refine the shape of the tanks with an objective to prevent sloshing liquid from disturbing the machine's balance while on the move. The AEON comes in four sizes: 4200, 5200, 6000, and 7000 litres. Each size is designed to meet specific requirements of the farming operation. The result is a novel design with a wedge-shaped front, this guarantees complete tank emptying, even in hilly terrain.

Perfect weight distribution is achieved with dual RinseTanks fitted on both sides of the sprayer towards its front to keep weight on the drawbar. By transferring weight to the tractor, better traction is achieved towards the end of spraying. Add to this the sprayer's excellent width-to-length ratio, and longer booms will never be a problem. The AEON offers fantastic boom stability, even at high speed.

With its perfectly placed low centre of gravity and strong chassis, the AEON will stand every test of durability.

Main tank benefits

- Enhanced stability: Precisely balanced weight distribution ensures optimal efficiency during operations.
- Low centre of gravity: This design aspect adds to the sprayer's steadiness, reducing the risk of tipping.
- Simplified cleaning: Its design facilitates hassle-free maintenance and thorough cleaning.
- Deep sump: Ensures maximum liquid drainage, reducing wastage and ensuring complete utilisation.



Vertical hydraulic jack for easy operation

Jack fully integrated in drawbar during transport

Suspended ParaLift

Hydraulic axle suspension

Designed to last

Full suspension

Sprayers often operate in rough terrains and conditions – and the AEON is the epitome of toughness. It is standard supplied with full suspension for protection of all mechanical components and for incomparable operator comfort and safety, even at high speed. A completely new addition is hydraulic suspension of the axle centre to ensure steady boom movements.

Drawbar suspension

- Minimal transfer of trailer movements to the tractor
- Strong design for loads of up to 4 tonnes
- Easy coupling with patented, vertical hydraulic jack to lift drawbar (fully integrated in drawbar during transport)
- Bolted K80 coupling

Hydraulic axle suspension

- Cutting-edge suspension for full absorption of movements during transport and fieldwork
- Integrated frame and axle design for reduction and deflection of obstacle impact
- Large coil spring or a single, strong cylinder secures perfect suspension, also on slopes
- Reliable and easy to service

Suspended ParaLift

- Protection of the boom during transport and fieldwork
- Push-type cylinder position for perfect damping
- Consistent damping regardless of boom height
- AutoTerrain boom management optimises height at all times

Farmer focus

Your working companion for all conditions

The AEON has been developed with the operator in mind. No detail has been left to chance in the search to optimise user-friendliness and operator safety. With its sleek design, smooth surfaces and covers to protect all vital parts, the AEON is your working companion for all conditions.

Both the TechZone and the WorkZone have protective covers that swing upwards to provide the operator with an illuminated, covered space for work in all kinds of weather.



CycloneFilter
(pressure)



EasyClean filter
(suction)

The TechZone – easy to control and service

The TechZone, on the right side of the sprayer, gives easy access to the isolated spray circuit, its large-dimension filters and the second pump.

FlexCapacity pump

This extra pump boosts the combined flow capacity to 450 l/min, allowing for high application rates without impairing agitation. Similar to the main pump, it is a HARDI trademark diaphragm pump – robust and easy to service.

Large-dimension filters

- The HARDI EasyClean filter is a high-capacity suction filter.
- The HARDI CycloneFilter is a unique, self-cleaning pressure filter, providing high efficiency without limiting flow. Combined with standard 22 mm stainless steel boom lines, it ensures optimum spray distribution at high application speeds or volumes.



FluidBox 8000 – 7" display



FluidBox 7000 – 4,3" display



The WorkZone – Intuitive operation

The WorkZone on the left hand side of the sprayer provides the operator with safe control of all sprayer functions – filling, mixing, agitation and spraying.

- Comfortable, large and secure WorkZone
- Covered work area with protective illuminated covers
- FluidBox 7000 / 8000 groups main sprayer functions on one screen
- TurboFiller with integrated work table
- Waterproof 40-litre SafetyLocker

FluidBox 7000 / 8000

The intelligent FluidBox gives quick and direct access to common operations on one screen, including AutoFill, AutoAgitation and AutoWash.

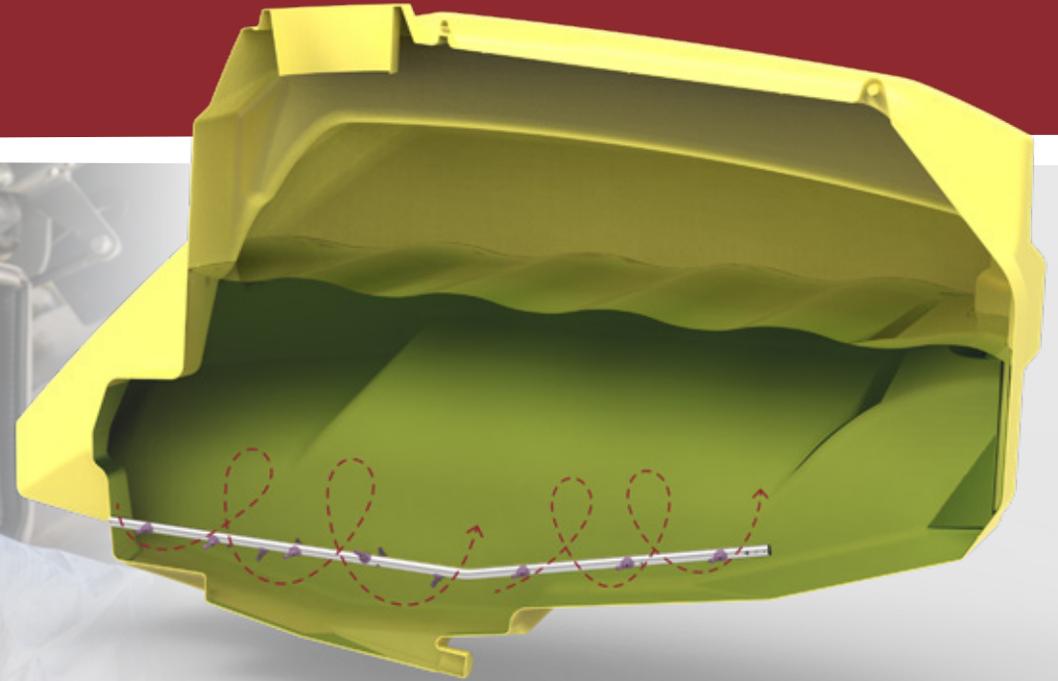
- Intuitive colour interface with button operation
- Simplified, integrated calculator for sprayer preparation, calculates pesticide and water volume
- Main ON/OFF and emergency stop for all functions
- Nozzle test

TurboFiller – Fast and efficient mixing

The shape of the hopper and its special TurboDeflector at the bottom create a cyclone effect to incorporate even the most difficult-to-mix compounds.

- Rapid filling and transfer into main tank
- High mixing capacity for powders and liquids
- 35 l capacity with stainless steel contents indicator
- Hopper with integrated table at work height
- Built-in rinsing system – 2 rinse nozzles and 1 external lance

Automation for easy operation



Agitation nozzles are positioned to eliminate blind spots in the tank. The design has proven extremely efficient for both liquids and powders

AutoFill – Fast and accurate filling

Set the volume, connect the hose – leave the rest to AutoFill, allowing the operator to carry out other tasks simultaneously.

- No overfilling – AutoFill stops at programmed volume
- Choose between maximum content or volume added
- Start/stop control at the FluidBox in the WorkZone
- Agitation is reduced automatically for maximum fill effect

AutoAgitation – Agitation at its best

Fully automatic agitation for minimal filling time.

- Ensures even agitation as the tank empties
- Maximum agitation without foaming
- Minimal tank residues upon completion of spray job
- Automatic readouts of tank contents on terminal
- Manual override available through the FluidBox

AutoWash – Easy, accurate and safe cleaning

Reduces residues to best in class – using only 400 litres of rinsing water.

- Operated from the tractor cabin
- No contamination of operator and tractor cabin
- No pesticide cross-contamination
- Choose one of three rinse programme – the rest is automatic
- In-field washing using multiple rinse operations
- Five rotating rinse nozzles in main tank for a thorough wash

Precision turning, minimal crop impact



ComfortTrack wheel steering

Equipped with ComfortTrack wheel steering, the AEON will always track the tractor's rear wheels, even on tight turns, eliminating excess crop damage. The sprayer's compact design allows for a large steering angle of 27°. The combination of ComfortTrack and full suspension secures a small turning radius of only 6.3 m along with perfect boom position, also when turning on the headland.

- Large steering angle
- Automatic or manual operation
- Effective regardless of tractor speed
- Reverse gear with automatic re-centering
- Steering possible with boom in transport position

ComfortTrack turns the wheels, not the axle, and the long mudguards follow the wheels, keeping the nozzles clean in dry and wet conditions.

The AEON allows for large-diameter wheels with big footprints for better load distribution and less soil compaction. With 520/85R46 tyres, the axle clearance is 81 cm.



Instant spray control



Precision, efficiency, and accuracy with remote-controlled spraying

The AEON offers a fully remote-operated spraying system. Combine this with our incredibly fast DynamicFluid4 regulation valve, pressurised boom circulation and one of the best boom management systems, and you are guaranteed outstanding spraying precision.

The compact, remote-controlled fluid system is placed close to the boom. Coupled with HARDI's

trusted diaphragm pumps and the EasyClean filtration system, it ensures optimum flow regardless of pressure.

As a result, the AEON offers less residual liquid as well as fast and easy cleaning.

The AEON saves time, money and minimises the environmental impact from unwanted soil and water contamination.





HARDI EFC operating unit

The EFC operating unit, the high-capacity companion for HARDI controllers, ensures precise control over your spraying system. Our modular sectional valves include a pressure dump feature that stops spraying when a section is turned off. This is crucial for preventing wastage, especially with small capacity nozzles and wide booms over 30 meters.

- Robust motor driven section valves
- Mechanical non-drip 0.8 bar opening
- TRIPLET or PENTALET manual nozzle change
- Application map on section on/off
- Optional BoomPrime low pressure circulation – priming
- Optional AutoSectionControl



ActiveAir – Pneumatic opening of nozzles

ActiveAir is a pressure circulation system that opens and closes the nozzles instantly without dripping. In order to switch the air on and off, a combination of the PrimeFlow fluid system, the AutoSelect pneumatic actuators and solenoid valves are used. The system requires an air tank on the sprayer and a compressor on the tractor

- Pressure circulation system – fast priming no residues
- Solenoid valves as section valve
- 9 or 13 sections
- Stainless steel nozzle tubes and PENTALET nozzle holder
- Fast reaction – pneumatic opening of nozzles
- Application map on section on/off



AutoSelectDuo – Higher flexibility

Boost productivity with automatic nozzle changes on the go, adapting to changes in field and weather conditions – all operated from the cabin.

- Pressure circulation system – fast priming no residues
- Three combinations of two sets of nozzles
- Applicable for speed variations of e.g. 8-15 km/h depending on nozzle type and pressure
- Change application rate at constant speed and pressure
- Maintain optimal droplet size
- Particularly useful at the headland or other slowdown zones



PrimeFlow – Pressurised boom circulation

The PrimeFlow is a pressure-fed boom fluid system that guarantees quick priming and clog prevention. The PrimeFlow keeps the liquid flowing throughout the boom at the desired pressure while spraying and maintains standby pressure when spraying stops. It also minimises liquid residue in the spray lines, even at low pressure, reducing the need for cleaning.

- Pressure circulation system – fast priming no residues
- Electrically operated motor at each nozzle body
- No untreated areas at spray start
- No chemical sedimentation in the spray lines
- Flushing of boom lines without spraying
- Dynamic setup of sections from 1 to 12 nozzles
- HARDI PENTALET holders for five nozzles

PulseSystem – Precision spraying redefined



Keeping drift to a minimum

With the ability to minimise environmental impacts due to a minimum of drift and prevention of under and over-dosing, the HARDI PulseSystem is the future of application technologies.

Full integration with HARDI TWIN system

Together with the TWIN system, which already has best-in-class drift reduction and penetration characteristics, the HARDI PulseSystem is an essential additional step forward in controlling where pesticides are deposited directly from the driver's seat.

Combining two innovative drift-reducing technologies, HARDI has developed an application system with the potential to deliver the least amount of drift on the market.

Wide flow-rate with one nozzle size

By opening and closing the nozzles, the HARDI PulseSystem can keep the nozzles open from 30-100% at the same pressure flow while ensuring the droplet size is unaffected. Therefore, the same nozzle can be used at several different driving speeds.

At the same time, drift is minimised while the flow rate is optimised, as the most optimal droplet size can be maintained, unlike a conventional system where more drift will occur the more liquid you try to squeeze through the nozzles.

Automatic switching on and off individual nozzles

In addition, the PulseSystem works with a single nozzle on/off – at a 36 m boom, control of all 72 nozzles at a single nozzle level. This can be done, for example, via a digital field map. Thus, the total field map determines how much pesticide to apply – and savings of up to 90% are possible by treating only the areas with mapped pests in the field.

PulseSystem benefits

- Variable rate application
- Eliminates under/over-dosing
- Treat only the exact spot



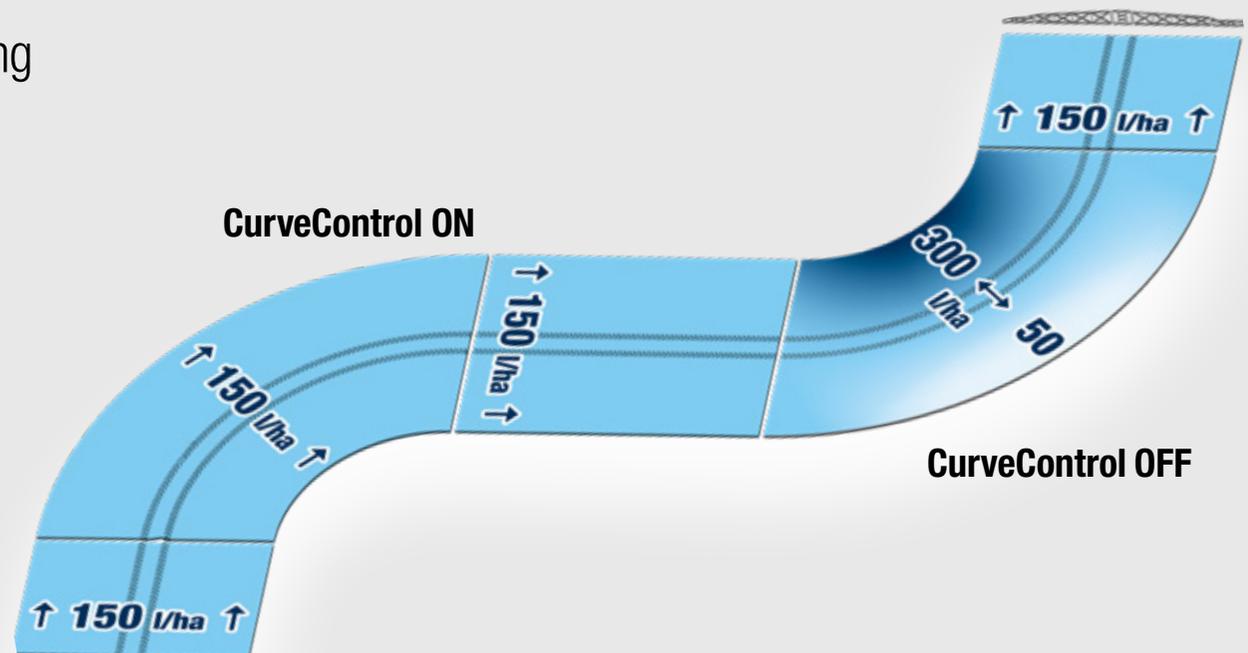
Automatic prevention under and over-dosing

Reduce chemical consumption and environmental impact with CurveControl

Thanks to the CurveControl function, chemicals are saved, and the environmental impact is reduced in fields with many curves or when spraying around windmill towers or remises. Here, a minimum of spray liquid is applied at the inside and full flow, where the boom runs fast at the outer wings. This automatically prevents over and under-dosing.

CurveControl benefits

- Uses pulsation rather than pressure to maintain the correct application volume per nozzle
- The solenoid valve turn the flow to the nozzles on and off, 20 times a second to control their flow
- Wide flow-rate with one nozzle size from 30 to 100% variation



Seamless integration



Extend the user interface to any iOS or Android device



HC 9700

Feature	HC 9700	HC 8700
Mode of action	12.1" (30.7 cm) Touch screen	8.4" (21.3 cm) Touch screen
ISOBUS Universal Terminal	✓	✓
Mini view screens	3	2
Dashboard & Interaction Keypad	✓	✓
HARDI workscreen	✗	✗
USB ports	✓	✓
WiFi adapter	✓	✓
Horizon XTEND	✓	✓
AutoSectionControl	✓	✓
Lightbar Guidance	On screen	On screen
Coverage Mapping	✓	✓
Data Logging	✓	✓
Variable Rate Application	✓	+
Application Report	✓	✓
Boom Height Control	UT	UT
Camera Support	✓	✓
ISOXML data transfer	✓ In/Out	✓ In/Out

Full ISOBUS control

The ISOBUS and AEF certified HC 9700 and HC 8700 terminals integrates all important information on one screen to give you a complete overview of a spray job. The multicolour HD touch screen allows for 2D and 3D as well as split-screen viewing.

Approved and certified

- AEF ISOBUS
- ENTAM
- Agrirouter ready

Easy data transfer

Fitted with USB ports and a WiFi adapter, the HC 9700 and HC 8700 allows for easy data exchange with the objective to simplify application reporting and record keeping. Data can be transferred to most farm management software.

Work from your phone or tablet

Use your mobile device or tablet to perform calibration, diagnostics, tank refilling and many other sprayer activities. The XTEND technology uses WiFi to extend the user interface to any iOS or Android device.

Ready for field maps

Both terminals offers the possibility to import/export parcel maps in ISOXML format. Hereafter, you can use AutoSectionControl to shut off boom sections automatically in accordance with the map – applying the right dose to the right place at the right time. Avoiding excessive spraying reduces expenses and greens your business.

HC 9700 and HC 8700 benefits

- High application precision
- Less usage of chemicals
- No overlapping areas



Cutting-edge connectivity

The brain of the AEON is our intelligent SmartCom – an electronic control unit that gives you responsive and accurate liquid regulation, thereby allowing faster spray speeds with higher volume rates. The unit's fast processor also gives you ultimate steering precision.

The AEON offers you a completely new level of integration. We have prepared the SmartCom for online connections with your favourite cloud solutions with a view to transfer fields maps and other data directly to and from your machine. The AEON also readies you for remote diagnostics, allowing us to get you up and running almost instantaneously.

Minimum downtime

The SmartCom provides quick and easy diagnostics with the HARDI ServiceTool. Utilising a SmartLink to connect to the SmartCom, our service staff can update the sprayer, diagnose errors and add features directly through the ServiceTool.

Always ISOBUS

The SmartCom is, of course, fully ISOBUS-compatible for easy plug-and-play connection to tractors and controllers across brands and models. The operator can use intelligent features such as AutoNozzleControl and ComfortTrack steering directly from his or her own ISOBUS terminal, as long as it is supported. To ease complex sprayer operations, the proven HARDI Grip and Setbox are standard equipment.



SmartCom

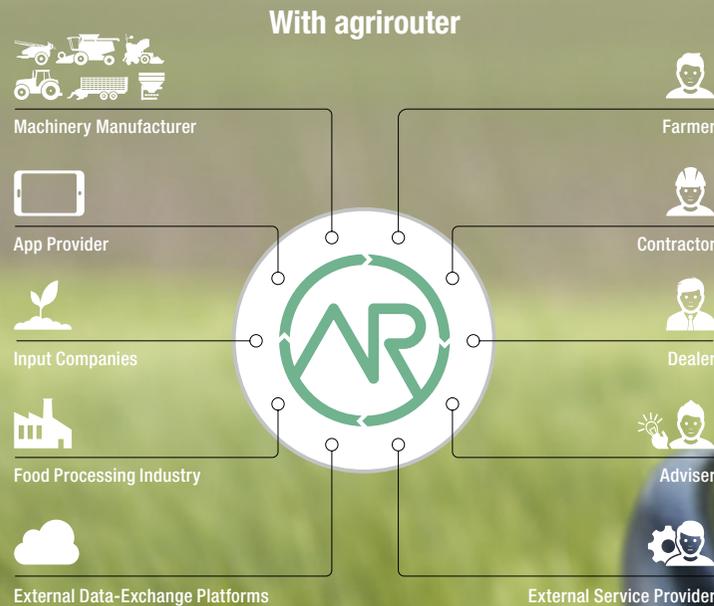


SetBox and Grip

SmartCom benefits

- Full ISOBUS for easy connection
- Quick and easy diagnostics with the HARDI ServiceTool
- Prepared for remote diagnostics
- Faster and more precise regulation system
- Ultimate steering precision
- Prepared for cloud connections
- Faster processing time

Streamline your spraying



Complete overview of your spray job at your fingertips

The HC 9700 and HC 8700 is AEF certified for guaranteed reliability. All the essential information required for a spray job is consolidated onto your screen, giving you a complete overview of the spray job.

By offering effortless data transfer choices and being compatible with numerous farm management systems including Agrirouter, the HC 9700 and HC 8700 enables you to simplify application reporting and record keeping.

Ready for Agrirouter

You can manufacture independent data exchange to the Agrirouter platform using the HC 9700 and HC 8700 terminal's Agrirouter application.

Application or Spot spray task created in a Farm-Management-Information system (FMIS) can easily be transferred via Agrirouter to the controller and started with one button click. Upon completion of the job, the HC 9700 and HC 8700 controller will send the data to the FMIS.

Easy, efficient and flexible

From improved accuracy to increased productivity, the HC 9700 and HC 8700 Controller has a lot to offer. It is designed to provide a reliable, seamless integration and a user-friendly interface.

Key benefits

- Easy data transfer
- Work from your phone or tablet
- Ready for field maps

Accurate spray targeting



For more info visit:
aeon.hardi.com

Single nozzle control

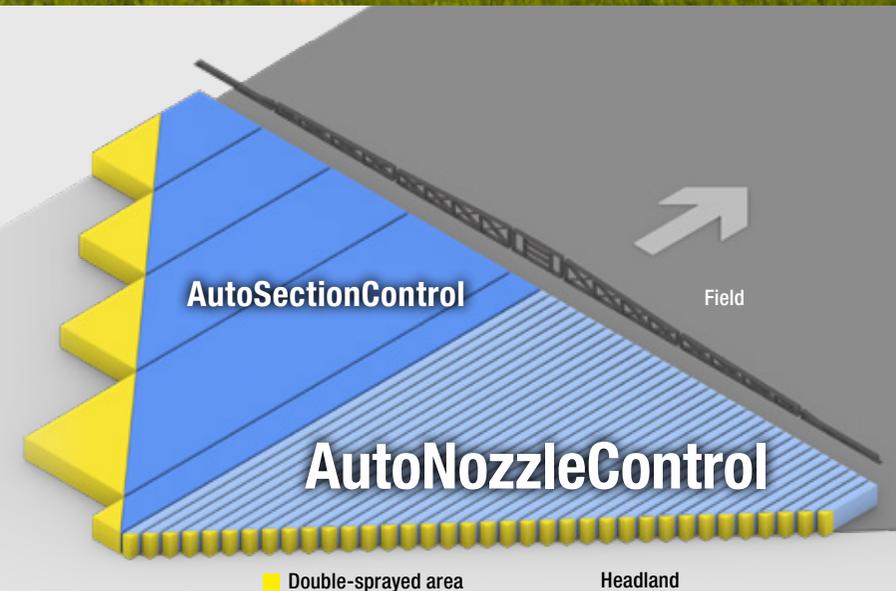
Obtain full control of your spray job with our automated single nozzle on/off feature – AutoNozzleControl. In combination with the instant spray control offered by our PrimeFlow system, AutoNozzleControl gives you ultra precise spraying and faster driving speed with minimal overlapping.

AutoNozzleControl also allows you to switch off specific nozzles when turning on the headland and when spraying next to sensitive areas.

The system controls each nozzle automatically. In auto mode, the sprayer works with sections of 50 cm.

AutoNozzleControl benefits:

- Save up to 10% chemicals
- Avoid crop damage
- Minimising the environmental impact



Double-sprayed area

Headland

DELTA FORCE – Precision for large tasks



For more info visit:
aeon.hardi.com

Flexibility, productivity and performance

Wide in field – compact on the road

The conventional DELTA FORCE is a large boom of 24 to 39 m with a unique three-dimensional design and features meant for perfect boom control at high speed. HARDI's boom-folding system allows the operator to spray at different widths – with or without folding the last section. Despite its width, the DELTA FORCE is compact in transport and storage. It folds into an elegant 2.55 m.

Market's best stability

The boom's simple yet effective pendulum suspension controls boom movements. Together with the boom's low centre of gravity, the suspension guarantees perfect boom balance in a flat as well as hilly terrains – and enables fast headland turns. With just two pa-

rameters to adjust (centre springs and damping), the DELTA FORCE boom is easy to customise and maintain.

To minimise the horizontal boom movement the DELTA FORCE boom is standard equipped with a hydraulic AntiYaw damping system between the centre section and the boom wings.

Less drift

The DELTA FORCE can also be fitted with extra nozzle holders to allow for nozzle spacing of 25 cm in addition to the standard 50 cm. Now, the farmer can use smaller nozzles with a finer spray to optimise coverage. The farmer can also work with lower boom heights to reduce drift. The only requirement is a good boom management system – and the DELTA FORCE fitted with HARDI AutoTerrain is the best in class.

DELTA FORCE features

- Designed with future farming requirements in mind
- High-tensile steel and fishtail welding
- Mechanical locking of the boom segments
- SoftOpen/SoftClose thanks to cylinders with end-of-stroke damping
- 25 or 50 cm nozzle spacing
- Nozzles protected for lower boom height and better drift control
- Superb boom stability with AutoTerrain and NegativeTilt
- Precise application with hydraulic AntiYaw damping



24-39 m



AutoTerrain



NegativeTilt



AntiYaw



A stop-and-lock system avoids slack between the boom sections, which are folded and unfolded smoothly with SoftOpen/SoftClose.



The univalved AutoTerrain boom management system uses advanced ultrasonic sensors to secure constant boom height. Works in either Soil Mode™, Crop Mode™ or Hybrid Mode™



24/12 m

12 m						12 m					
9	6	6	5	5	4	5	5	6	6	6	6
	2.0 m	3.7 m	4.9 m	2.55 m	4.9 m	3.7 m	2.0 m				
13	2	2	4	4	5	5	4	4	2	2	2

27/14 m

14 m						14 m					
9	6	7	6	6	4	6	6	7	6	6	6
	2.0 m	4.6 m	5.9 m	2.55 m	5.9 m	4.6 m	2.0 m				
13	4	4	5	4	4	4	4	5	4	4	4

28/14 m

14 m						14 m					
9	7	7	6	6	4	6	6	7	7	7	7
	2.5 m	4.6 m	5.9 m	2.55 m	5.9 m	4.6 m	2.5 m				
13	5	4	5	4	4	4	4	5	4	4	5

30/15 m

15 m						15 m					
9	8	7	6	7	4	7	6	7	8	8	8
	3.0 m	4.6 m	6.4 m	2.55 m	6.4 m	4.6 m	3.0 m				
13	5	5	5	4	4	5	4	5	5	5	5

27/21/12 m

21 m				12 m				12 m				21 m			
9	6	9	5	5	4	5	5	9	6	6	6	6	6	6	
	1.5 m	1.6 m	4.4 m	4.9 m	2.55 m	4.9 m	4.4 m	1.6 m	1.5 m						
13	3	3	5	4	5	5	4	5	3	3	3	3	3	3	

28/21/12 m

21 m				12 m				12 m				21 m			
9	7	9	5	5	4	5	5	9	7	7	7	7	7	7	
	2.0 m	1.6 m	4.4 m	4.9 m	2.55 m	4.9 m	4.4 m	1.6 m	2.0 m						
13	4	3	5	4	5	5	4	5	3	4	4	4	4	4	

30/21/12 m

21 m				12 m				12 m				21 m			
9	9	2.0 m	4.4 m	4.9 m	4	5	5	9	2.0 m	2.5 m	9	9	9	9	
	2.5 m	2.0 m	4.4 m	4.9 m	2.55 m	4.9 m	4.4 m	2.0 m	2.5 m						
13	5	4	5	4	5	5	4	5	4	5	4	5	4	5	

30/24/13 m

24 m				13 m				13 m				24 m			
13	3	3	5	6	4	6	5	6	5	3	3	3	3	3	
	1.5 m	1.6 m	5.4 m	5.4 m	2.55 m	5.4 m	5.4 m	1.6 m	1.5 m						

32/24/13 m

24 m				13 m				13 m				24 m			
9	6	8	8	8	4	8	8	8	8	8	8	8	8	8	
	2.0 m	2.1 m	5.4 m	5.4 m	2.55 m	5.4 m	5.4 m	2.1 m	2.0 m						
13	4	4	5	6	5	6	5	6	5	4	4	4	4	4	

33/24/13 m

24 m				13 m				13 m				24 m			
13	5	4	5	6	4	6	5	6	5	4	4	5	5	5	
	2.5 m	2.1 m	5.4 m	5.4 m	2.55 m	5.4 m	5.4 m	2.1 m	2.5 m						

36/27/15 m

27 m						15 m						15 m						27 m					
9	9	2.1 m	8	8	9	4	9	8	8	9	9	8	8	9	9	8	8	9	2.1 m	2.5 m	9		
	2.5 m	2.1 m	5.9 m	6.4 m	2.55 m	6.4 m	5.9 m	2.1 m	2.5 m														
13	5	4	6	6	6	7	4	7	6	6	6	6	6	4	5	4	5	4	5	4	5		

36/24/13 m

24 m				13 m				13 m				24 m			
9	9	3.1 m	8	8	9	4	9	8	8	3.1 m	9	9	9	9	
	3.0 m	3.1 m	4.9 m	5.4 m	2.55 m	5.4 m	4.9 m	3.1 m	3.0 m						
13	5	7	5	6	5	6	4	6	5	6	5	7	5	5	

39/27/15 m

27 m						15 m						15 m						27 m					
13	5	7	6	6	7	4	7	6	6	6	6	7	5	5	5	5	5	5	5	5	5		
	2.5 m	3.6 m	5.9 m	6.4 m	2.55 m	6.4 m	5.9 m	3.6 m	2.5 m														

| = Breakaway | = Fold x = Number of nozzles in the section



TWIN FORCE – A boom for ultimate capacity



For more info visit:
twin.hardi.com

Save time, money and environmental impact

The air-assisted TWIN FORCE boom employs the world's best system for spray control. Using an adjustable curtain of air to entrain and direct the spray, TWIN FORCE can reduce drift by an astounding 80%. The result is close to no loss of plant protection products or contamination of adjacent areas.

Air-assisted spraying also guarantees better spray penetration and coverage than conventional applications. All this translates into real savings for the farmer of at least 50% on water usage and up to 30% on plant protection products.

The Air-assisted TWIN FORCE boom employs the world's best system for spray control. Two powerful blower units provide air to the left and right boom sides.

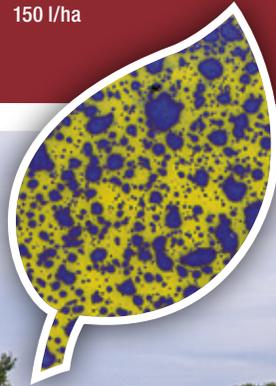
TWIN FORCE gets the job done faster. Efficient drift control means more spraying days – as spraying can be done under more windy conditions – as well as higher application speeds and fewer filling stops. The result is higher sprayer productivity. In fact, TWIN FORCE will increase your spray capacity by up to 100%.

TWIN FORCE features

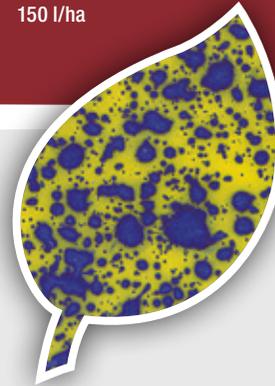
- Increase spray capacity by at least 100%
- Reduce drift by up to 80%
- Save plant protection products by up to 30%
- Save water by at least 50%
- Improve crop penetration and coverage
- Improve spray economy
- Faster spray speeds
- Optimal field timing
- 30+ years' experience

The blue colour shows the coverage of the weed

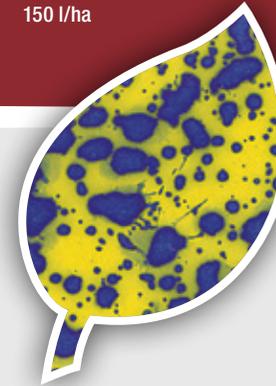
HARDI ISO F 110
150 l/ha



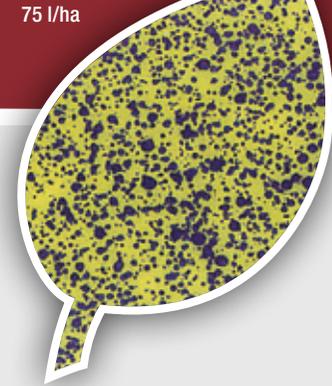
HARDI ISO LD 110
150 l/ha



HARDI INJET
150 l/ha



HARDI TWIN
75 l/ha



24-36 m



AutoTerrain



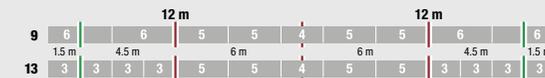
NegativeTilt



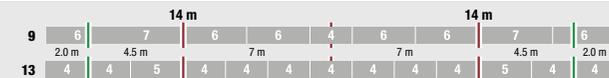
AntiYaw



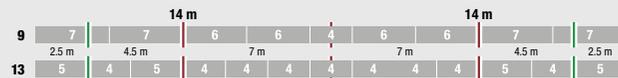
24/12 m



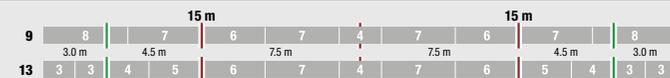
27/14 m



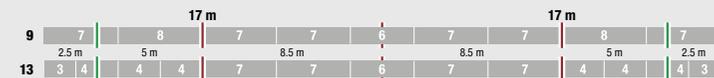
28/14 m



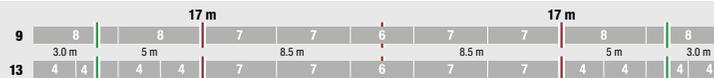
30/15 m



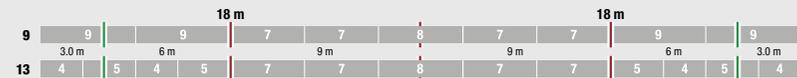
32/17 m



33/17 m



36/18 m



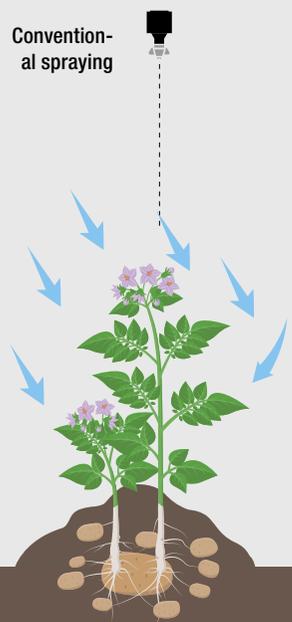
| = Breakaway | = Fold x = Number of nozzles in the section



TWIN FORCE – Superior air-assisted spraying



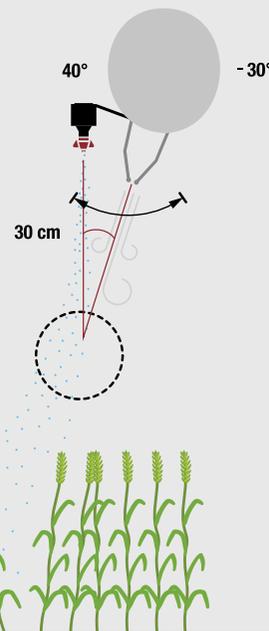
Conventional spraying



Spraying with TWIN



The concurrent angling of air and spray is a distinctive and important feature of TWIN FORCE.



More options for spray control

TWIN FORCE gives the operator more options for spray control than other air-assisted sprayers. By adjusting the air curtain's speed and angle, from no air to full air, in effect producing two sprayers in one (hence the name – TWIN), the operator can guide all droplets, irrespective of size, to the target.

Two powerful blower units provide air to the left and right boom sides. Each blower can be stepless adjusted to a maximum output of 2,000 m³/h per metre of boom and a maximum airspeed of 35 m/sec.



TWIN FORCE delivers unmatched returns on your investment, benefiting both your finances and the environment

High impact – high capacity

Weather dictates most everything a farmer does, and spraying is no exception. Wind in particular can force a farmer to interrupt or postpone spraying due to drift. With efficient drift control, this is virtually a thing of the past.

Not only does air-assisted spraying prevent small droplets from drifting by blowing them downwards. It also opens the crop to their penetration. The air curtain parts and rustles the crop to expose all

surfaces to the spray, and the droplets' extra momentum created by the air propels them into the crop.

As a result, TWIN FORCE improves crop penetration, distribution and coverage over conventional applications, even in dense crops.

Proven and tested

The outstanding performance of TWIN FORCE has been confirmed by numerous case stories from around the world along with field trials and studies.

One independent, scientific study from the Research Centre Flakkebjerg/Aarhus University, Denmark, demonstrated that the spray application quality of a HARDI TWIN sprayer with a 24 m boom was unaffected by high wind at driving speeds of 8 to 12 km/h.

The researchers concluded that TWIN gives a more uniform deposition and significantly lower drift than conventional applications, especially in windy conditions. The study confirmed that TWIN can reduce spray drift by up to 80% – translating into a reduction in use of chemical products of up to 30%.

Outstanding boom stability



Fully automatic boom control systems

The AEON offers two levels of boom management systems: AutoTerrain and ActiveSlant. Depending on the level chosen, the system can regulate, e.g. height, slant, tilt and yaw for superb boom stability and distinguish itself from others by preventing rather than correcting unintended boom movements. Using ultrasonic sensors on the boom wings and roll sensors at the centre, they monitor and correct the booms movements before the boom is disturbed.

A stable boom means less wear and tear on the sprayer as well as its operator. The sprayer will have a longer lifespan, and the operator will experience less fatigue and stress from having to constantly monitor the boom.

The AutoTerrain system has been tested under rigorous field conditions, showing excellent performance when spraying with low boom heights at high driving speeds of more than 15 km/h. When turning on the headland, the system will counter the booms natural pendulum tendency to dip on the inner side. The result is a level boom throughout the turn. AutoTerrain eliminates the risk of the boom hitting the ground.

The boom management systems secure the correct distance from spray nozzle to target, by that as well increase efficacy from the crop protection product applied to protect against diseases, bugs and insects.

- **Accurate and efficient application:** Precise and uniform distribution, that help reducing under or over-application.
- **Reduced environmental impact:** Prevent contamination by off-target spray drift.
- **Enhanced crop protection:** Improve crop and yield potential by optimizing the application.
- **Cost savings:** Save time, money, and effort associated with excessive product use, waste, and reapplication.
- **Enhanced operator comfort:** Provides a smooth driving experience increases productivity for the operator.



AutoTerrain

For more challenging field conditions

- Boom height
- Hydraulic slant
- Individual tilt of boom wings and NegativeTilt
- 5 ultrasonic sensors with integrated roll sensors
- Temperature-controlled proportional valves
- Optional extra on all booms

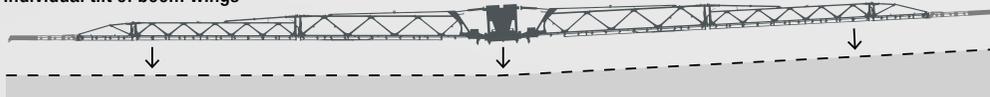


ActiveSlant

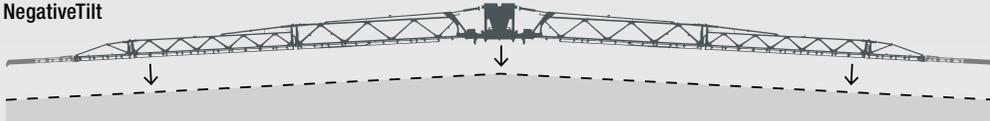
For less challenging field conditions

- ActiveSlant controls boom height and slant.
- Boom height
- Hydraulic slant
- 2 ultrasonic sensors with integrated roll sensors
- Optional extra on all booms

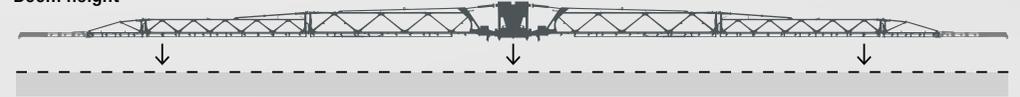
Individual tilt of boom wings



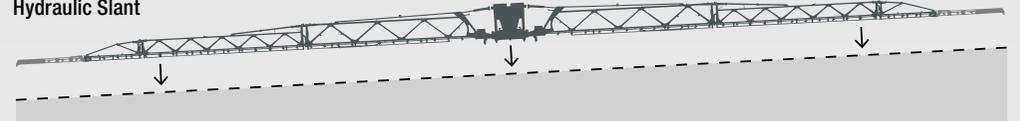
NegativeTilt



Boom height



Hydraulic Slant



Tailored to your needs

The AEON high-end trailer series

Modern design, full cover for easy cleaning and road approval, and low centre of gravity ensure AEON stability on roads and slopes. Besides its precise wheel steering and excellent steering radius, the AEON family also features folding boom steering for intensive row crops. It has heavy-duty rims, tires, and mudguards. Hydraulic suspension on the axle centre and PUR dampers on the drawbar provide comfort and stability.

The dependable construction of the AEON improves by the technology and fluid systems that operate intelligently. Together with the HC 9700 / 8700 terminal the AEON integrates seamlessly with other farm management systems.

AEON's innovative design, cutting-edge technology, and superior performance will revolutionise the agricultural trailer market.

Whatever model you choose, the standard **AEON** or the **AEON TITANIUM line** or the advanced **AEON CENTURA line**, all models will meet modern farming demands.

Standard key features		AEON	TITANIUM line	CENTURA line
Tank size	4200 l – short chassis	✓	✓	✓
	5200 l – short chassis	✓	✓	✓
	6000 l – short chassis	✗	✓	✓
	7000 l – long chassis	✗	✓	✓
Boom fluid	EFC operating unit	✓	✓	–
	PrimeFlow incl. AutoNozzleControl	✗	+	✓
	PrimeFlow	✗	+	✓
	AutoNozzleControl	✗	+	✓
	ActiveAir	✗	+	✓
Wheel-Steering and adjustable axle	PulseSystem	✗	✗	+
	Non steered. Adjustable axle	✓	–	–
Brake system	ComfortTrack wheel steering. Adjustable axles	+	✓	✓
	Hydraulic 1-line brake incl. parking 25 km/h	✓	–	–
Axle suspension	EU-homologation 2-line pneu. brake 40 km/h	✗	✓	✓
	No suspension	✓	–	–
	Coil spring suspension	+	✓	–
Mudguards and road safety kit	Hydr. Suspension	+	+	✓
	Fixed mudguard is optional	+	–	–
	Fixed mudguards incl. road safety kit LED lights	+	✓	–
Fluid system	Steered mudguards incl. road safety kit LED lights	✗	+	✓
	Remote fluid system Fluidbox 7000 incl. FastFiller / PressureEmpty 8 m hose wo filter	✓	–	–
	Intelligent Fluid system Fluidbox 7000 incl. AutoWash, AutoAgitation and AutoFill	✗	✓	–
Lights and protection	Intelligent Fluid system Fluidbox 8000 incl. AutoWash, AutoAgitation and AutoFill	✗	+	✓
	Night spraying lights	+	+	✓
Sprayer inspection	Underbelly protection	+	+	✓
	Following EN16122 level	✗	+	✓
Extended warranty	2 years warranty	✗	+	✓

✓ Included

✗ Not included

+ Optional extra

Technical specifications

Technical specifications	DELTA FORCE 24-39 m	TWIN FORCE 24-30 m	DELTA FORCE 27-39 m	TWIN FORCE 27-36 m
Tank, nominal volume	4200 / 5200 / 6000 l	4200 / 5200 / 6000 l	7000 l	7000 l
Pump type (l/min)	464-(280) / 464H-(334)	464-(280) / 464H-(334)	464-(280) / 464H-(334)	464-(280) / 464H-(334)
RinseTank (l)	560	560	710	710
Clean water tank (l)	40	40	40	40
Height (m) * A	3.70	3.80	3.80	3.90
Total length (m) B	8.35	8.35	9.25	9.80
Length draw to axle, (m) C	5.5	5.5	6.30	6.50
Track width (m) D	1.70-2.30	1.70-2.30	1.70-2.30	1.70-2.30
Transport width (m) * E	2.55	3.00	2.55	3.00
Ground clearance axle (m) * F	0.78	0.78	0.78	0.78
Turning radius at 200 cm track width (m)	6.3	6.3	7.2	7.4
Working height (m)	0.43-2.73	0.43-2.73	0.43-2.73	0.43-2.73
Total weight empty (kg)	6100	6400	6820	7630
Total weight full (kg)	11860	12160	13330	13975
Drawbar load empty (kg)	980	1000	1210	1630
Drawbar load full (kg)	2950	3000	3480	3975

*) 5200 l, 36 m DELTA FORCE, 520/85 R42

*) 5200 l, 30 m TWIN FORCE, 380/90 R46



For more info visit:
aeon.hardi.com



HARDI – Your Crop Care Partner

The acceleration of climate change and resource depletion poses a major challenge to meeting future food demand in a sustainable manner. At HARDI, our dedication lies in developing future-ready solutions that help our customers to maximise yield while reducing their environmental impacts.

Trusted by farmers worldwide, HARDI is renowned for high quality and well-designed machinery. You can rely on our products to achieve precise dosage and targeted applications with minimal drift and waste.

With over 60 years of experience behind us, HARDI INTERNATIONAL A/S remains a global trendsetter in the application of crop protection products. Head-quartered in Denmark, we are present in more than 100 countries through a network of subsidiaries, agents and importers.

Join us in practising sustainable agriculture as we work towards beneficial outcomes for both you and the environment.

The HARDI Group is a division in the Agricultural Spraying segment of Exel Industries S.A. HARDI reserves the right to change the specifications without notice. Illustrations shown may include optional extras and accessories. HARDI®, the HARDI logo and the AEON® is a registered trademarks of Exel Industries S.A.





[#HARDIsprayers](https://www.instagram.com/hardi_sprayers)



HARDI INTERNATIONAL A/S

Herthadalvej 10 · 4840 Nørre Alslev · Denmark · Tel: +45 54 46 48 00
Email: info@hardi.com · www.hardi.com

For more information about our commitments, products, solutions and dealers

hardi.com