Rapid

Impressive results in all conditions







Welcome to Väderstad

60 years of facing agronomic challenges together with farmers all over the world makes us young in the business. But that has never stopped us from pushing the boundaries of agriculture - and it never will.

Finding new ways forward in an ever-changing business, coming up with new innovations and presenting new solutions that simplify work and improve results for farmers is in our DNA.

That is what Väderstad always has done, and always will do. Finding new solutions for a better tomorrow.



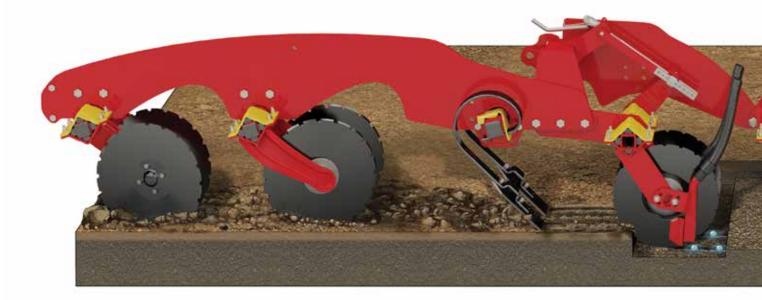
The universal seed drill

The Rapid is a universal seed drill that prepares a seedbed, levels, drills and reconsolidates in one pass. Its design provides reliable seeding performance at high working speeds. And its capacity helps optimize timing. No till, reduced till, or conventional tillage — the Rapid offers perfect seeding results in all conditions.



Save time, fuel and soil moisture

By performing multiple operations in one pass, the Rapid seed drill reduces the number of passes required in the field. This saves time, lowers input costs, and preserves soil moisture.

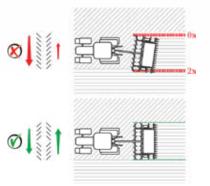




Aggressive seed discs add intensity

Unique to the Rapid, the seed coulters provide cultivating action. This adds intensity beyond the soil preparation of the front tools.

More intensity while drilling means fewer passes are needed for seedbed preparation. Making fewer passes helps conserve moisture and retain soil structure to maximize plant potential.



X-disc – pulls straight for best results

For full control, it is very important that the seed drill tracks straight behind the tractor. This is even more true in hilly conditions.

Because of the x-disc design of the front tool, the Rapid will always travel in a straight line behind the tractor. The Väderstad x-disc is critical in reaching the full potential of a GPS or RTK system on a tractor.





No till

Thanks to the Rapid's powerful front tools and high coulter down pressure, it is able to drill directly into stubble when needed. This practice significantly reduces cost while conserving moisture.



Minimum tillage

Large-diameter single-disc coulters enable the Rapid to handle large amounts of crop residue without compromising seeding results.

Because of this, the Rapid is an ideal choice for minimum tillage operations.



Conventional tillage

By performing several operations in one pass, the Rapid preserves moisture and effectively levels the field.

This makes it an appealing alternative to power harrow combinations while also offering a wider range of usage.

Depth precision to rely on

The Rapid is known for excellent depth precision. The result is even emergence, which maximizes yield potential across the entire field.



Ingenious coulter system

At the heart of the Rapid is a unique design in which the seed coulters work in conjunction with the packer wheels. The Rapid has an ingenious depth control system that is adjustable from the cab.



The relationship between the seed coulter and packer wheel sets the maximum seeding depth, and the high coulter down pressure ensures it never decreases. As a result, the Rapid ensures even emergence at all times.



Putting the depth first

The design of the Rapid doesn't allow factors like changing field conditions or high working speeds to affect the seed depth. This is achieved through high down pressure of 330 lbs (150 kg) on the seed coulters. Additionally, depth is controlled by connecting two seed coulters to one packer wheel. These features maintain consistent seeding depth for even emergence.



Soil type expert

No matter if the soil is heavy, medium or light, the large OffSet mounted packer wheels will always stay on the field surface and deliver the correct seed depth. This makes the Rapid the ideal choice when your soil conditions vary and you need a seed drill to rely on. By easily setting the working depth as well as seed and fertilizer rates from the cab, the Rapid allows for versatile precision farming, adapted according to your local soil conditions.





Excellent ground following

By connecting two seed coulters to each packer wheel with a parallel linkage, the Rapid is able to follow ground contours closely. This ensures that each seed has the same conditions for germination across the entire working width.



High trip pressure

Each seed coulter is mounted on its own rubbersuspended disc arm. The seed coulters do not trip easily, thanks to a heavy-duty design and high down pressure. In many cases, the Rapid presses down stones, rather than alter the seed depth. Nonetheless, larger stones or other obstacles will cause the seed coulters to quickly trip and return individually, resulting in minimal impact to the seeding and reconsolidation performance.

Best start possible for each seed

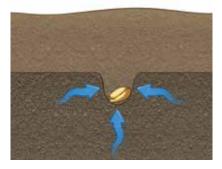
The high quality Rapid seed coulters are designed to give the seeds the best start possible. This promotes fast germination and a healthy crop with high resistance toward weeds, pests and harsh weather.





Great conditions for growth

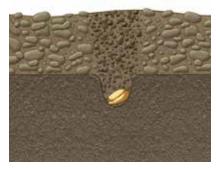
Each seed coulter on the Rapid creates a clean furrow by aggressively cutting into the bottom of the cultivated seedbed. This creates an environment with several important benefits for seed growth.



Moisture access for even germination

A key for success lies in the fact that the seed coulters have a deeper working depth than the cultivating front tools. As a result, the furrow is cut as a narrow slot into a firmer uncultivated layer of soil.

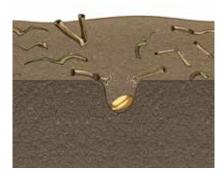
When the seed is placed in the furrow, it benefits from the surrounding uncultivated soil's ability to transport moisture. This provides excellent opportunity for the seed to quickly start its growth process, giving it the upper hand against weeds and insects.



Fine soil creates seed-to-soil contact

The seed coulters are individually mounted on rubber-suspended disc arms and are positioned at a slight angle to the driving direction. Because of this angle, the aggressive seed coulters provide cultivating action, capable of turning leftover clumps or aggregates into fine soil.

This feature helps ensure that the soil on top of the seed is aerated, delivering optimal seed-to-soil contact for germinating the seed.



Clean seed furrow for undisturbed plant growth

Thanks to its aggressive seed coulter, the Rapid is always able to create a clean seed slot without hairpinned residue. Plant growth won't be disturbed by straw or other residue during early growth stages.

Another benefit of this seed placement is that it is less sensitive to mechanical weed control.

5 in (125 mm) row spacing for maximum yield



Competitiveness

A narrow row spacing provides the crop with considerably higher competitiveness against weeds. This is especially important as more herbicide resistant weeds are on the rise. Research show that 5 in (125 mm) row spacing results in 20% less weeds than 6 in (150 mm).



Population distribution

5 in (125 mm) row spacing offers better population distribution, allowing for greater spacing between seeds in a row to reduce disease pressure.

Maximum performance – minimal maintenance

Maintenance free coulter suspension Each disc arm has its own rubber suspension. The absence of moving parts ensures problem-free ownership and long working life.

Swedish steel - Swedish quality The Rapid seed coulters are built from specialized hardened Swedish Steel. The carefully selected raw material delivers robust construction with excellent performance and extremely long working life in the field.

Less downtime All bearings are grease free, maximizing your time in the field.

Heavy-duty seed coulter The seed coulter has a hardened steel tip and a sideplate of tungsten, providing superior resistance to wear.

3

Canopy closure

Since narrow rows close faster, the amount of evaporation is reduced at a time when access to moisutre is most critical.



Reconsolidation after seed placement

The Rapid is equipped with large, wide packer wheels to apply heavy reconsolidation and close the seed trench. The weight is especially needed when drilling deep, working in heavier soils or seeding in no-till applications.



Same conditions for each seed

By applying heavy reconsolidation after placing the seed, the Rapid packer acts as a high precision roller. By putting pressure on the right spot, this ensures great seed-to-soil contact for each seed, saving additional roller passes, while also pressing down rocks.





One wheel over two seed rows

The large packer wheels close the seed and fertilizer slots for excellent seed-to-soil contact.

The sideways pressure over the seed prevents capping, while the straight pressure over the deeply placed fertilizer ensures faster dissolving of the nutrients.

OffSet benefits

OffSet means that every second packer wheel is positioned 7.5 in (190 mm) to the rear on a separate axle. This design offers agronomic benefits, while helping in moist conditions.



Lower horsepower requirement

According to studies, the OffSet minimizes bulldozing and lowers the horsepower requirement by 25%.

Depth precision

OffSet provides a smooth ride, leading to lower vibrations. This results in higher depth precision.

Great carrying capacity

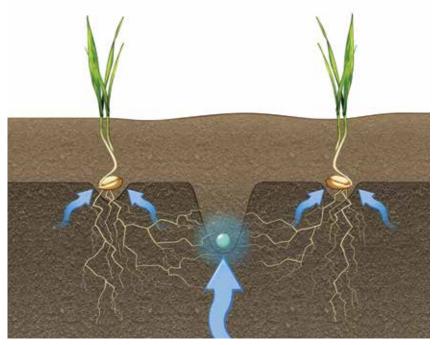
Having two separate wheel axles increases the contact surface to the soil, providing great carrying capacity.

Combi drilling secures success

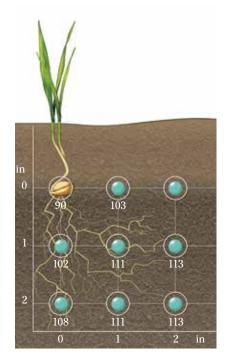
The Rapid is available with or without fertilizer metering. Fertilizer placement during seeding provides a fast and reliable effect. Since the fertilizer is placed in moist soil, there is less dependence on rain. The placement also helps produce high yields with more efficient nutrient use, helping to reduce input costs.

Fertilizer at the right spot

Fertilizer is placed between every second seed row at a spacing of 10 in (250 mm). This means that the fertilizer is placed 2.5 in from each row of seed. As a result, the fertilizer is easily accessible to the seed, giving the crop a head start over competing weeds.



With the Rapid method the fertilizer is placed at 10 in (250 mm) row spacing between two rows of seed, allowing full moisture access.



Studies show yield increases if fertilizer is placed deeper and to the side of the seed (spring drilling). Index 100 = broadcasting

Efficiency in all conditions

The fertilizer is placed with the same coulter types as the seeds. By cutting a clean slot, the fertilizer is separated from any crop residue. This makes the nitrogen fully available for the plant, lowering the risk of being used for straw decomposition.

High capacity fertilizer output

Fertilizer can be hydraulically metered at very high capacities, so it doesn't limit the working speed.





BioDrill - Multiple products in one pass

By equipping the Rapid with a BioDrill, a small-seeded crop or cover crop can be drilled with the main crop. The spreader plates distribute the seed evenly in front of the packer wheels, ensuring good seed-to-soil contact. The BioDrill mountable small seeder provides excellent conditions for small-seeded crops, reducing seed costs and retaining moisture at the same time.



The Rapid 300-400C/S can be fitted with BioDrill 300-400. It has a gravity fed metering system with few moving parts, resulting in minimal maintenance and long working life.

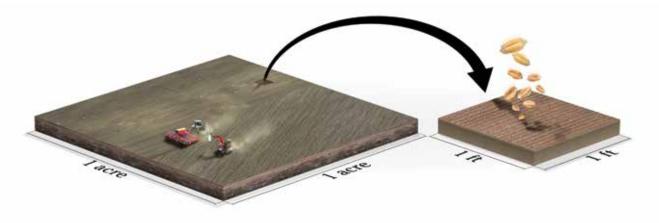


The Rapid A 400-800S and Rapid A 600-800C can be fitted with BioDrill 360. The pneumatic BioDrill 360 is equipped with the electric Fenix II metering system, allowing for uniform drilling of small-seeded crops with precision down to a seed rate of 1 lb per acre.

SeedEye

Precision and performance in focus

The unique Väderstad SeedEye sensors offer precision insight down to each square foot within a field. With access to exact data, you can make more informed decisions for increased efficiency with maximum results in crop production.



Seeds per square foot instead of pounds per acre.

Using Väderstad SeedEye, the desired seed rate is set in terms of number of seeds per square foot. In the field, sensors accurately record the number of seeds passing through each seed tube. By combining this information with driving speed data from the seed drill ground radar, the output is automatically adjusted to maintain the selected seed rate.

No calibration required. Maximized time in the field.

SeedEye automatically adjusts the seed rate on the move so there is no need for recalibration. This increases the ease of use and maximizes field efficiency. In the cab, you have full control of the seeding operation via the iPad based control system Väderstad E-Control.



SeedEye ensures great results

Increasing access to information is the cornerstone of smarter farming. Since SeedEye registers each seed and fertilizer granule passing through the tubes, the seeding operation can be visualized in real time. If a deviation should occur, SeedEye gives an immediate warning so that any impact on the drilling can be quickly remedied.

Take full control of seeding

Väderstad SeedEye puts full control in your hands, giving you the opportunity to fully optimize results in the field.

By measuring seeds per square foot, instead of weight per acre, the seeding result is no longer affected by variations in seed varieties or different batches. This increases precision and maximizes seeding performance.

Working with ISOBUS Task Controller, a variable seed rate and sectional shut off is also possible.

Front tools

CrossBoard Heavy

The CrossBoard Heavy consists of hardened CrossBoard tines that can be equipped with different tools, depending on conditions. The CrossBoard Heavy is suitable for tilled ground to level the field and break clods.

System Agrilla

System Agrilla consists of tines in different combinations with the CrossBoard. The vibrating tines loosen the soil and break the capillary. The fine soil is sorted into the seedbed and weeds are brought to the surface. The CrossBoard additionally levels the field and breaks clods. System Agrilla is a lightweight alternative, reducing the horsepower requirement of the tractor.

System Disc

System Disc is a versatile disc front tool, consisting of two rows of intensively cultivating and cutting discs. Depending on the soil conditions, System Disc can be complemented with the CrossBoard Light or Heavy to level the field and break up clods.

System Disc Aggressive

System Disc Aggressive is a powerful and versatile disc front tool. Its conical discs add cultivation capacity, allowing full cut-out at shallow working depths. This enables incorporation of weeds together with drilling. System Disc Aggressive can be complemented with the CrossBoard Light or Heavy to level the field and break up clods.







Rapid 300-400C/S

The Rapid 300-400 box seed drill is available either as seed-only or a combi version in 10 to 13 ft widths. You benefit from reliable results and a modern design with easy access throughout the drill.



Thanks to its versatility, the Rapid is able to handle multiple crops, grass mixtures and cover crops, as well as micro granulates or slug pellets. Equipped with the BioDrill mountable small seeder, an additional product can be added.

Hydraulic metering

The Rapid 300-400C/S is equipped with hydraulic metering, powered from the tractor. To match the pre-set seed rate, the metering system constantly communicates with a ground radar, measuring the forward speed.

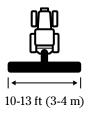
This very reliable system secures high precision metering, resistant to vibrations and irregularities in the field. Plus, the system is very easy to set and calibrate.

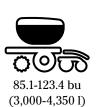
Large hopper - high capacity

To reduce filling downtime, the Rapid 300-400C/S box seed drills have high-capacity hoppers. The hoppers are designed with a large opening for fast and easy filling. Combi models are equipped with an adjustable wall that separates seed and fertilizer in the hopper.

Depth setting from the cab

To be able to instantly adapt to varying soil types or differing conditions in the field, the Rapid 300-400C/S can be equipped with the automatic seed depth control AutoPilot or the seed depth measurement AutoCheck.





Versatility is key





Front tools



CrossBoard Heavy



System Agrilla CrossBoard Heavy



System Disc Aggressive



System Disc CrossBoard Light



System Disc CrossBoard Heavy



System Disc Aggressive CrossBoard Heavy



The modern design is focused on simplicity and ease of access throughout the machine.



Rapid 300-400C/S has a high capacity hopper. On the combi models, the volume between seed and fertilizer is easily altered.

Rapid A 400-800S

The Rapid A 400-800S pneumatic seed drill is a powerful drill ready for the future of farming. The design of the Rapid A 400-800S is focused on the operator without compromising seeding precision or crop quality.



The three seed drills in the product family are seed-only versions equipped with a high precision metering system.

Exact seed metering

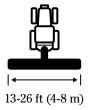
At the base of the seed hopper, the seed enters the hydraulic metering system and is conveyed pneumatically to the distribution heads.

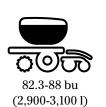
The Fenix metering system can handle seed rates from 1.25 lb/acre up to 450 lb/acre without any parts having to be changed. Thanks to the hydraulic drive, high seed rates can be metered without lowering the driving speed. The integrated fan runs at low speed, resulting in low fuel consumption and quiet operation. Its high location reduces the amount of dust and crop residues that get in, increasing drilling accuracy.

Depth setting from the cab

The Rapid A 400-800S can instantly adapt to varying soil types or changing field conditions with the Interactive Depth Control (IDC), a unique depth control system. It enables fine-tuning of the seeding depth within 0.04 in (1 mm) accuracy on the go.

Combined with the ability to alter the seed rate, the driver is constantly in full control of the seeding operation.













CrossBoard Heavy



System Agrilla CrossBoard Light



System Disc



System Disc CrossBoard Light



System Disc Aggressive CrossBoard Light







Rapid A 400-800S has a centralized platform with access from both sides, saving time for the operator.



With SeedEye you can easily set the number of seeds per square foot, without the need for calibration. SeedEye ensures excellent seeding results with full control.

Rapid A 600-800C

Seed drills in the Rapid A 600-800C product family have pneumatic seed transport. They combine impressive capacity with easy maneuvering for superior results.



Designed for high output rates

The high-capacity Fenix hydraulically driven metering system can handle all seed sizes in application rates from 1.25 lbs/acre to 450 lbs/acre without having to change any parts.

As a result, the metering system will never be a limiting factor for high rates and high-speed drilling in the field.

Adjust seeding depth on the move

The Rapid A 600-800C can instantly adapt to varying soil types or changing field conditions with the Interactive Depth Control (IDC), a unique depth control system. It enables fine-tuning of the seeding depth within 0.04 in (1 mm) accuracy on the go.

Combined with the ability to alter the seed rate, the driver is constantly in full control of the seeding operation.

|≁ 20-26 ft (6-8 m)



Extreme capacity









CrossBoard Heavy



System Agrilla CrossBoard Heavy



System Disc

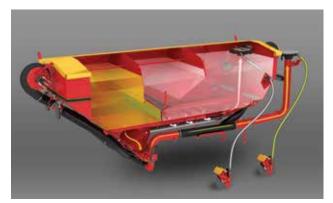


System Disc CrossBoard Heavy





The turning radius is impressively small despite the size of the drill.



The big hopper has an adjustable dividing wall that separates its two sections. A hydraulic auger meters the fertilizer.

Väderstad E-Control – New generation control system

The iPad-based control system, Väderstad E-Control, wirelessly connects to the Väderstad drill, enabling full access to its functions and data. You benefit from user-friendly remote setup and calibration, as well as easy, real-time monitoring and control.



The portable office

Väderstad E-Control is a fully portable control system ready to be used when and where it is required. When calibrating the Väderstad seed drill or planter, you can take the portable iPad out of the tractor and control the calibration from outside.

When the day is over, you can take the iPad to the office and start planning the next day's work.



State of the art graphics

The high-resolution iPad-display presents all the information clearly, and the outstanding graphics make every function easier to use.



Since Väderstad E-Control is used for many planters and seed drills in the Väderstad product line, the same iPad can be used for multiple machines on the farm.

Always up to date

At Väderstad, we find it very important to support and service all of our customers to the fullest. Therefore, all E-Control software updates are easy to download free of charge. With E-Control, you are always sure to benefit from the latest technology and the newest innovative solutions from Väderstad.

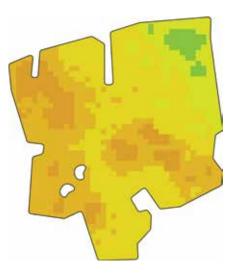
Easy-to-use tramlining

The Rapid A 400-600S and Rapid A 600-800C make tramlining simpler and more reliable than ever before. The function is easy to set up with E-Control. When seeding the field, the Rapid automatically shuts off specific rows when needed to match the tire tracks of the sprayer.

Combined control with ISOBUS Task Controller

Using Väderstad E-Control together with an ISOBUS terminal allows for automatic GPS section control and variable rate seed. A list of terminals compatible with ISOBUS Task Controller can be found by searching for ISOBUS at vaderstad.com.





Accessories

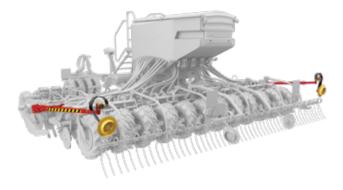


Control system

The Rapid 300-400C/S can be operated with E-Control, ISOBUS terminal or ControlStation.

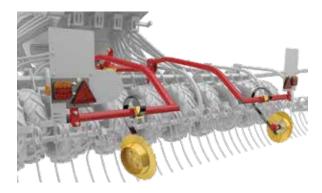


Drawbar and towing eye The following options are available: towing eye 1.5-2 in (40/50 mm), Ball coupling 3 in (80 mm), Ball towing eye 1.5/2/2.75 in (42/51/71 mm).



Marker arms

Marker arms with easy adjustment for different soil conditions.



Pre-emergence marker

The pre-emergence markers consists of discs marking the position of tramlines, without disturbing the seeds.



Micro granulate kit

The Rapid 300-400C/S with BioDrill can be equipped with a micro granulate kit, enabling, for example, placement of a starter phosphorus together with the seeds.



Hydraulic support leg The hydraulic support leg can be fitted to the Rapid 300-400C/S and Rapid A 400-800S to simplify connection.



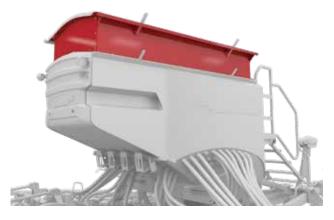
Pivot packer

The Rapid 300-400C/S and Rapid A 400-800S can be fitted with 4 or 6 pivoting packer wheels.



Wing packer

Consolidates the soil for perfect emergence in lighter soil conditions. Fits Rapid A 400-800S and Rapid A 600-800C/J.



Hopper extension

The hopper extension increases the hopper volume an additional 21 bu (750 l) for the Rapid A 400-800S.



Track eradicators

Loosens the soil in the tractor wheel tracks. Fits Rapid A 400-800S.



Slug pellet spreader plates

Enables application of slug pellet together with the drilling operation. Fits Rapid A 400-800S and Rapid A 600-800C/J, equipped with BioDrill 360.

	RD 300C	RD 300S	RD 400C	RD 400S
Working width, ft (m)	10 (3)	10 (3)	13 (4)	13 (4)
Transport width, ft (m)	10 (3)	10 (3)	13.25 (4.05)	13.25 (4.05)
Transport height, ft (m)	9 (2.7)	9 (2.7)	10.5 (3.2)	10.5 (3.2)
*Basic weight, lbs (kg)	6,395 (2,900)	5,290 (2,400)	8,375 (3,800)	7,500 (3,400)
Hopper, bu (l)	89.4 (3150)	85.1 (3,000)	123.4 (4,350)	116.3 (4,100)
**Coulter pressure min/max, lbs (kg)	180/540	155/463	198/507	165/474
Courter pressure min/max, ibs (kg)	(82/245)	(70/210)	(90/230)	(75/215)
Number of seed coulters	24	24	32	32
Number of fertilizer coulters	12	-	16	-
Seed row spacing, in (mm)	5 (125)	5 (125)	5 (125)	5 (125)
Fertilizer row spacing, in (mm)	10 (250)	-	10 (250)	-
Wheel dimension	190/95-15	190/95-15	190/95-15	190/95-15
***Hydraulic requirement	2-4 DA + FR			
Oil flow requirement, gpm (l/min)	18.5 (70)	18.5 (70)	18.5 (70)	18.5 (70)
Horsepower requirement	100-175	90-165	130-240	120-220

*With Heavy CrossBoard

**Fertilizer coulters up, only seed coulters working, empty hopper

***4 DA and 1 FR with AutoPilot

	RDA 400S	RDA 600S	RDA 800S
Working width, ft (m)	13 (4)	20 (6)	26 (8)
Transport width, ft (m)	10 (3)	10 (3)	10 (3)
Transport height, ft (m)	10.25 (3.1)	10.25 (3.1)	13 (4)
Basic weight, lbs (kg)	11,465 (5,200)	13,225 (6,000)	16,975 (7,700)
Hopper, bu (l)	82.3 (2,900)	88 (3,100)	88 (3,100)
Coulter pressure min/max, lbs (kg)	258/562	243/452	194/386
	(117/255)	(110/205)	(88/175)
Number of seed coulters	32	48	64
Seed row spacing, in (mm)	5 (125)	5 (125)	5 (125)
Wheel dimension	190/95-15	190/95-15	190/95-15
*Hydraulic requirement	3-4 DA+3/4 FR	3-4 DA+3/4 FR	3-4 DA+3/4 FR
Oil flow requirement, gpm (l/min)	23.8 (90)	23.8 (90)	23.8 (90)
Horsepower requirement	130-210	180-350	240-400

* With Heavy CrossBoard or Disc System you need 3 DA + 3/4-in FR. With Agrilla System Light CrossBoard, Disc System Light CrossBoard you need 4 DA + 3/4-in FR.

DA= Double action FR= Free return

	RDA 600C	RDA 800C
Working width, ft (m)	20 (6)	26 (8)
Transport width, ft (m)	10 (3)	10 (3)
Transport height, ft (m)	11.5 (3.5)	13 (4)
Basic weight, lbs (kg)	16,093 (7,300)	19,180 (8,700)
Hopper, bu (l)	170.3 (6,000)	170.3 (6,000)
Coultor processor min/max, lbc (kg)	210/430	185/365
Coulter pressure min/max, lbs (kg)	(95/195)	(85/165)
Number of seed coulters	48	64
Number of fertilizer coulters	24	32
Seed row spacing, in (mm)	5 (125)	5 (125)
Fertilizer row spacing, in (mm)	10 (250)	10 (250)
Wheel dimension (front)	700/50-26.5	700/50-26.5
Wheel dimension (rear)	190/95-15	190/95-15
*Hydraulic requirement	3 DA+3/4 FR	3 DA+3/4 FR
Oil flow requirement, gpm (l/min)	33 (125)	33 (125)
Horsepower requirement	240-400	260-450

*Hydraulic requirement with PTO pump

*Hydraulic requirement with PTO pump

If the hydraulic capacity of the tractor's outer hydraulics is lower than 43 gpm (160 l/min) a PTO pump is used.	If the hydraulic capacity of the tractor's outer hydraulics is higher than 43 gpm (160 l/min) a PTO pump is not needed.	
Machine equipped with the front tool Heavy CrossBoard = 3 DA + 3/4-in FR	Machine equipped with the front tool Heavy CrossBoard = 4 DA + 3/4-in FR	
Machine equipped with the front tool Agrilla System Heavy CrossBoard or Disc System Heavy CrossBoard = 4 DA + 3/4-in FR	Machine equipped with the front tool Agrilla System Heavy CrossBoard or Disc System Heavy CrossBoard = 5 DA + 3/4-in FR	

DA= Double action FR= Free return

Reliable and durable farm machinery



2-year warranty on Väderstad seed drills, planters and tillage equipment. Lifetime manufacturing warranty on all genuine Väderstad discs.

Lifetime

Warranty

