HORSCH

Maestro SV / SX

UNIQUE SEED WAGON SYSTEM WITH NEW OPTIONS

MAESTRO SV/SX
NEW STANDARDS FOR SINGLE GRAIN SEED DRILLS

— New metering generation AirVac and AirSpeed

— Versatile single grain seed drill for: maize, sunflowers, sugar beet, sorghum, rape, soybeans and other bean species

— Simple handling of the metering device – no adjustment of the scraper required

— Solid and reliable technology – heavy parallelogram and row unit for utmost demands

— Coulter pressures up to 350 kg for optimum sowing even in most difficult conditions

— Automatic, soil-dependent coulter pressure adjustment AutoForce

— High hectare output due to high capacities for fertiliser and seed

— Large central hoppers for fertiliser, micro-granular compound and seed with the central row supply Main Tank Supply (MTS)

— Unique machine design for short set-up times between road transport and field.

Maestro SV/SX

AIRVAC AND AIRSPEED
VERSATILE – PRECISE – EFFICIENT

The design of the new metering device generation AirVac and AirSpeed is basically similar. The metering devices work according to the same metering principle. They can be used universally for an exact grain singulation. Due to different metering discs, maize, sunflowers, sugarbeet, soybeans, sorghum and rape can be singulated reliably.

The AirVac system is based on the principle of vacuum singulation where the seed is sucked to a perforated disc. The AirSpeed system works according to the overpressure principle where the grains are pressed to the perforated disc. In both metering devices the grains pass through a singulator that sees to it that duplicates are removed. The special feature of the component is that it does not have to be changed if the crop is changed and that the user does not have to carry out any adjustment works. The contour of the singulator has been optimised in such a way that a reliable singulation for all crops is guaranteed.

The basic difference of the two new metering device generations is the transfer of the seed from the metering device into the soil: After the singulation the AirVac system leads the seed via a fall tube to the bottom of the furrow and the seed is pressed down by the catching roller if necessary. With the AirSpeed system the singulated grains are seized by an air current, accelerated and shot with the air current through the shoot pipe into the soil. They are caught and embedded by the installed catching roller.

In both metering devices the grains pass a grain sensor in the fall resp. shoot pipe to guarantee an optimum monitoring of the seeding success. The measuring technology of the sensor is able to count the grains, to determine the spacings between the grains and thus also to transmit an information to the driver with regard to double spots or gaps.

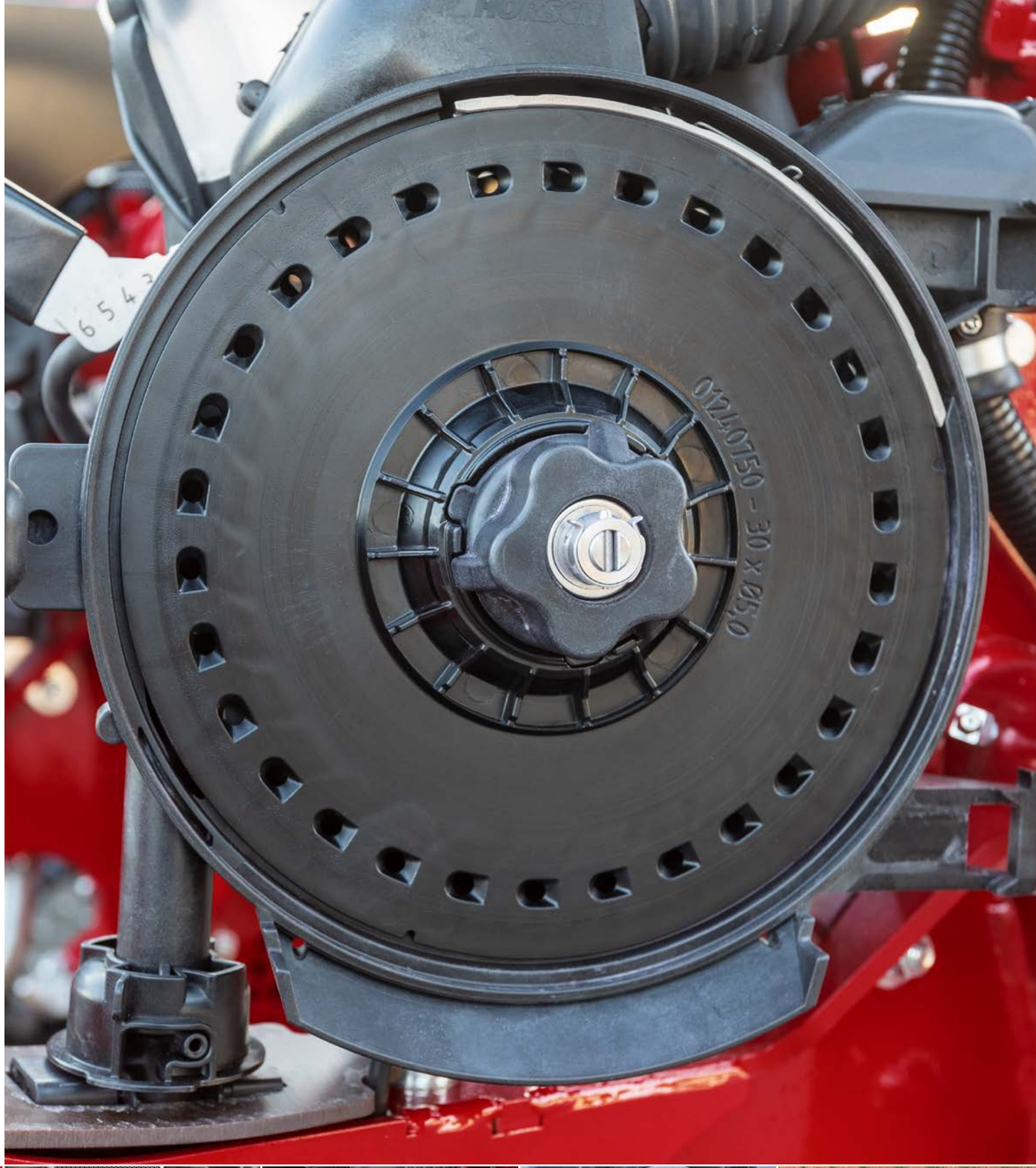
The transmitted values of the singulation accuracy are displayed clearly at the terminal of the machine and additionally increase safety while sowing.

The new metering device generations AirVac and AirSpeed are driven electrically as a standard and each row can be controlled individually. This technology co-operates with the well-proven functions single row switch-off, SectionControl, VariableRate and tramline control.

For VariableRate the metering systems are designed in such a way that the seed rate can be modified for every single row. With the tramline control it is possible to individually adapt the seed rate in the row at the left and the right side of the tramline. With these advanced functions all measures to increase precising while sowing can be used to full capacity.

The advantages at one glance

AirVac	AirSpeed
Can be used universally for different crops	
Simple handling: the scraper does not have to be adjusted	
Electric drive as a basis for: SectionControl, VariableRate, tramline control	
Operational speeds up to 12 km/h	Operational speeds up to 15 km/h
Utmost flexibility for all crops and optimum embedding of the grain	Maximum power and efficiency combined with safe embedding of the grain



Easily accessible metering device with different metering discs according to the type of crop

The universal singulator does no longer have to be adjusted.

Star-shaped cleaning wheel

SectionControl allows for switching the row off and on automatically via GPS position signal.

Maestro SV/SX

MAXIMUM EFFICIENCY WITH LARGE SEED WAGGON

What are the excelling features of the Maestro SV/SX?

— Operational speed up to 15 km/h with the AirSpeed metering device
— Maximum efficiency for single grain seed
— Seed wagon with a capacity of 2 000/2 200 litres for seed and 7 000/5 400 litres for fertiliser
— Hopper partition 3 800/3 800 litres resp. 4 000/5 000 for seed and fertiliser for rotations with an emphasis on legumes
— Main Tank Supply system for a seed supply without gaps at every seed unit
— As 12-, 16-, 18-, 24- or 36-row version
— Row spacing from 45 to 80 cm
— Robust HORSCH seed units
— Coulter pressure between 150 and 350 kg hydraulically adjustable or fully automatically controlled with AutoForce

And of course

— The new metering device generations AirVac and AirSpeed
— Simple handling of the metering devices – no adjustment of the scraper required
— Exact monitoring of the singulation and placement quality
— Precise sowing with AirVac up to 12 km/h and with AirSpeed up to 15 km/h
— Universally suitable for maize, sunflowers, sugarbeet, rape, sorghum, soybeans and other types of beans
— Standard electric drive as a prerequisite for:
  – SectionControl
  – Intelligent tramline control
  – VariableRate
  – ContourFarming (Option)

Seed wagon with a capacity of 2 000 litres for seed and 7 000 litres for fertiliser for Maestro 24 SV/SX und 36 SV

Seed wagon with a capacity of 2 200 litres for seed and 5 400 litres for fertiliser

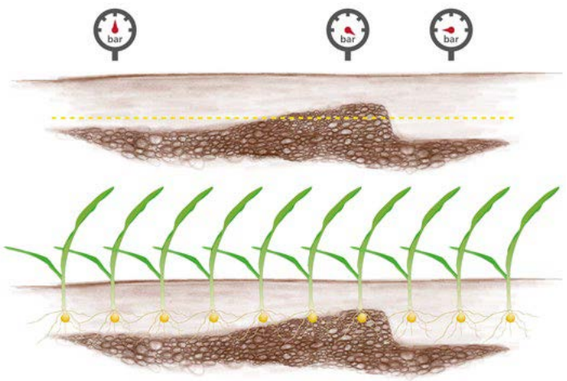
18-row **Maestro** during road transport

Transfer of the seed wagon weight to the seed bar for a higher coulter pressure and a release of the wheels

AutoForce

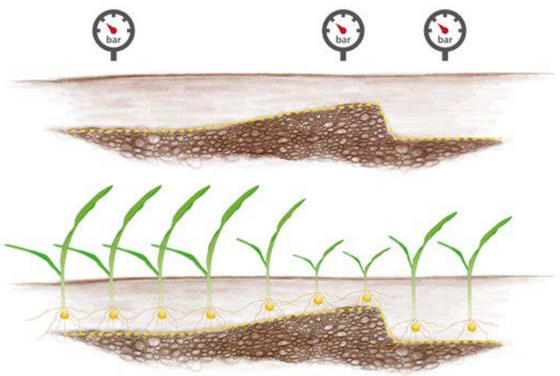
AUTOMATIC COULTER PRESSURE CONTROL

WITH coulter pressure control system AutoForce



Optimum pressure – optimum sowing depth

WITHOUT coulter pressure control system AutoForce



Optimum pressure – optimum sowing depth

Too little pressure – too shallow sowing

Too much pressure – too much compaction

What do you need an automatic coulter pressure control for?

— Stony soils require more coulter pressure to place the seed at a consistent depth. If the coulter pressure is too low the coulter body would not move smoothly and the seed would germinate irregularly and with different speed.

— Light conditions or pressure-sensitive soils need less coulter pressure so that the soil is not compacted. Too much coulter pressure compacts the soil and slows down the development of the roots although all seed was placed at the same depth.

— There rarely are fields that are completely even. The coulter pressure has to be adapted to each section of the field.

— This is why HORSCH developed an automatic coulter pressure control system.

How does AutoForce work on the soil?

— The contact pressure of the row is measured with a sensor at the two support wheels. This pressure (= nominal value) is previously set in the terminal. You can choose between three pressure levels 25 kg – 50 kg and 80 kg (the values can also be adapted individually).

— With changing soil conditions, the row needs more or less power to be able to keep up the set placement depth. The contact pressure would change. The sensor detects this, and the system regulates the contact pressure in such a way that it always corresponds to the nominal value that has been set. This is possible due to the design of the machine which allows for transferring weight to the seed bar.

— The coulter pressure automatically varies between 150 kg and 350 kg. Thus, the grain is always embedded at the same level. A too shallow placement as well as soil compaction can thus be avoided.

AutoForce pressure sensor: Weight recording is carried out via Piezo (pressure sensor) technology.

Details of the Piezo sensor

Press wheels

FOR A BETTER EMBEDDING OF THE GRAINS

Finger wheel

Medium to heavy conditions

Spike press wheel

Medium to light conditions

Rubber closing wheel

For light conditions

Profiled roll

For light conditions or fine seeds (beet and rape)

Which press wheel is suitable for which use?

Finger and spike press wheel

— The finger press wheel is ideal for heavy and medium soils

— Spike press wheel for medium to light sites

— There is one finger/spike wheel and one standard wheel per row to control the depth and to avoid moving the grains.

— However, the wheels are not suitable for shallow sowing.

— If the furrow wall gets compacted because of the DoubleDisc seed coulters, it is broken by the finger/spike wheel – the furrow is removed.

— Seed furrow is not opened after sowing under dry conditions, especially on heavy clayey sites

— Development of the maize root is encouraged

Rubber and profiled press wheel

— The rubber closing wheels are ideal for light sandy sites

— The profiled rolls are recommended for fine seeds

— The profile creates additional fine earth and can better prevent silting.

Finger wheel

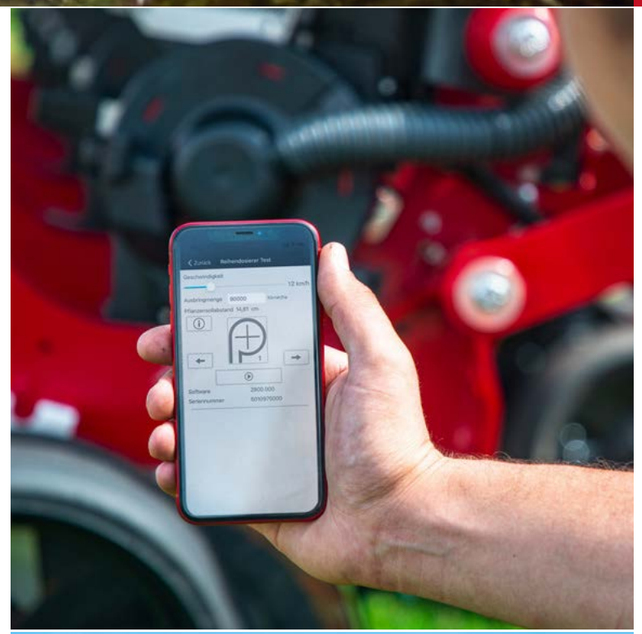
Spike wheel

HorschConnect

DIGITALISATION MADE EASY

Intelligence

INTELLIGENT SOLUTIONS FOR EVEN MORE PRECISION



The machines of the future communicate actively and **HORSCH Intelligence** allows for it. With intelligent software and electronic solutions HORSCH machines work even more efficiently and help you to save money and nerves.

Saving of operating resources, constant work quality, relieving the workload of the driver – you, too, can benefit from our ISOBUS licenses.

SectionControl

Automatic section control

VariableRate

Site-specific application of seed and fertiliser

MultiControl

Independent regulation of the application rate of seed and fertiliser

AutoLine

Independent drilling of the track rhythm due to GPS-based tramline control

Saves time and nerves: HorschConnect Telematics

From controlling the machine via smartphone to recording and processing telemetry data. Use **HorschConnect** to benefit from the advantages of digitalisation.

Via the **HorschConnect Telematics Portal** you can always keep track of your machine. In addition to the current position, speed and application rate you can, of course, review data of past orders. Smart dashboards as well as remote diagnostics complete the concept, reduce idle times and increase efficiency. An additional benefit: your documentation is automated – transparent, simple and safe. To make sure you can concentrate on the essential at any time.

For more comfort and flexibility: the new MobileControl app

- Operation of selected machine functions, i. e. calibration, via the smartphone
- Monitoring of the function of each row via the row test
- Reading out certain machine information as well as messages in the app
- Available for iOS and Android

MEMBER OF AEF

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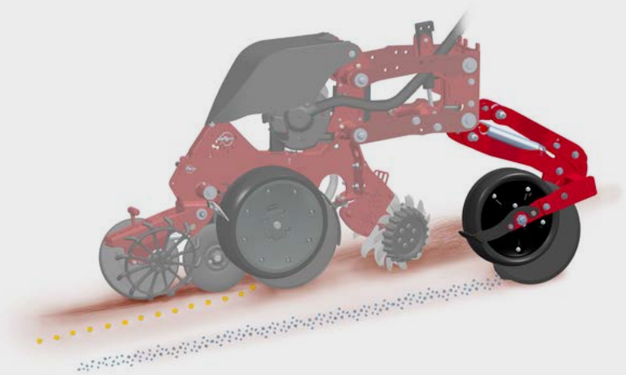
No more multiple maintenance and redundant information – a solution is only as good as its interfaces: carry out your data exchange between the platforms of different manufacturers in a simple and automated way. With the agrirouter you can manage this in an uncomplicated and safe way. And what is most important: you keep complete control of your data.

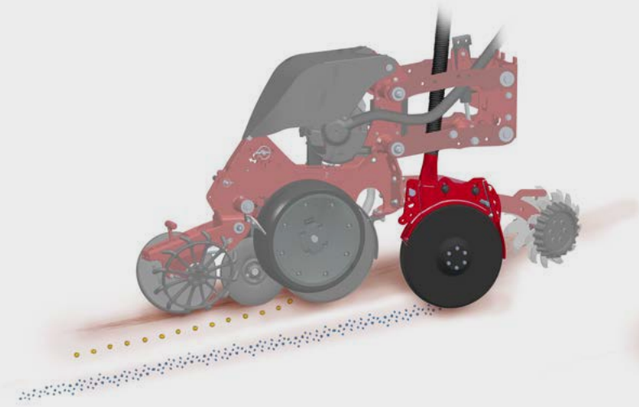
agrirouter

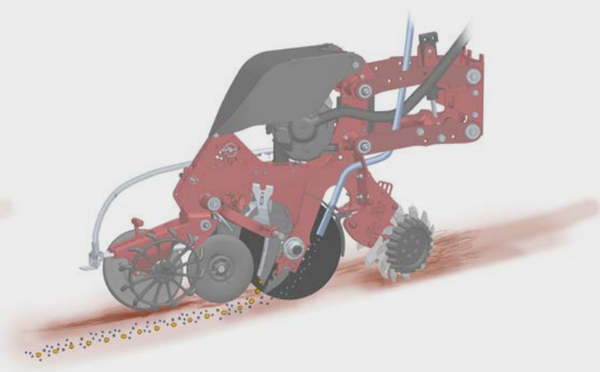
HORSCH Terminal | Touch 800 Terminal | Touch 1200 Terminal

ROW EQUIPMENT

AIRVAC AND AIRSPEED







In addition to a precise placement of the grains the exact positioning of fertilisers or plant protection agents is very important for single grain sowing.

The rows of the Maestros, thus, can be equipped with different components to provide an optimum solution for all requirements and demands.

SingleDisc fertiliser coulter
The SingleDisc fertiliser coulter is suspended independently of the seed row. The placement depth can be set to 5 to 9 m. The coulter pressure can be adapted quickly and without any tools to the prevailing soil conditions to guarantee a smooth running and a constant depth placement of the fertiliser. The fertiliser coulter can be deactivated by lifting.

DoubleDisc fertiliser coulter
The depth of the DoubleDisc coulter is controlled via the flange plate of the seed row. The fertiliser is placed at the same depth as the grains resp. 3 to 5 cm below the sowing depth. The coulter pressure for fertiliser coulter and row can comfortably be controlled via the hydraulic cylinder in the parallelogram. The DoubleDisc fertiliser coulter is only available for machines with AirVac metering.

Application of micro-granular compound
With the Maestros micro-granular components can be applied at two different positions. Fertiliser granulate as well as plant protection agents are normally applied via the first release position into the seed furrow. There is a direct contact to the grain, the agents can be absorbed immediately by the seedling and the young plant in an optimum way. The second placement option is the little baffle behind the closing wheels. This way, undersown crops or slug pellets can be distributed widely.

Optional trash wheels, floating with depth control

RID wheel reduces soil compaction directly at the seed slot in very hard or no-till conditions

Depth control wheel with spokes

Heavy DoubleDisc coulter with low-wear, stable depth control

Hole pattern for depth adjustment with 14 steps

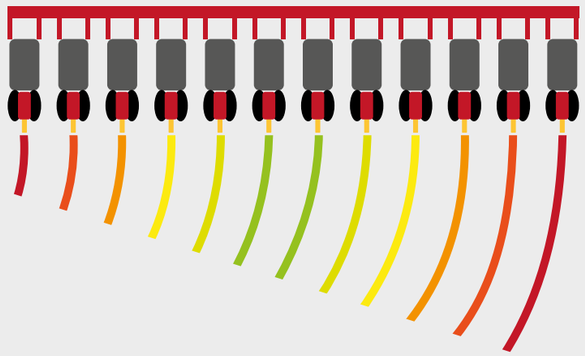
Stable connection of the rows and a standard hydraulic cylinder for coulter pressure generation

Maestro 16 SX with 5 400 litres of fertiliser and 2 200 litres of seed

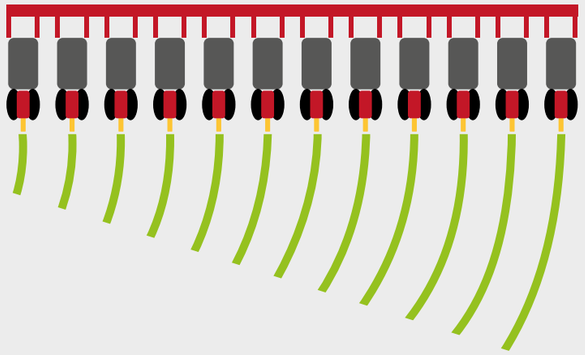
Maestro SV/SX

MACHINE CHARACTERISTICS

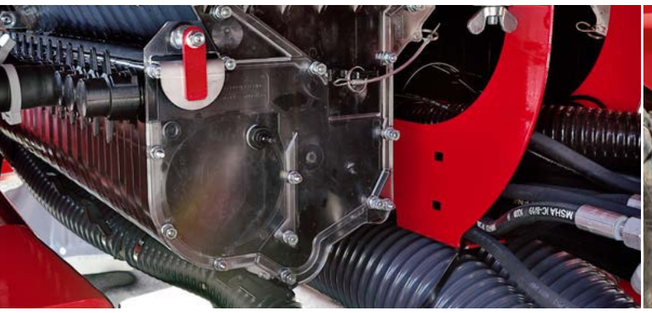
WITHOUT ContourFarming
In a bend the seed rate is higher – on the outside the seed rate is lower.



WITH ContourFarming
In a bend the seed rate does not change.



ContourFarming
Automatic adaption of the metering unit speed when cornering. A radar is attached to each outside wing. These radar sensors measure the sowing speed and the seed quantity in every row. The metering frequency is adapted accordingly (only for Maestro 16, 24 SV/SX and 36 SV).



Main Tank Supply system at the Maestro SV/SX

Filling auger and central micro-granular unit
with a capacity of 400 resp. 500 litres

Tyres 580/70 R 38 with large diameter
and large contact area

Twin tyres 300/95 R 46
for 45 cm and 50 cm row spacing

SingleDisc fertiliser coulter suspended at the coulter shaft as well as heavy and solidly built row of the Maestro SV/SX with precise grain singulation and Main Tank Supply System (MTS)

TECHNICAL SPECIFICATIONS

HORSCH Maestro SV	Maestro 12.70–75–80 SV/30" SV	Maestro 16.70–75–80 SV/30" SV	Maestro 16.90/36" SV
Transport width (m)	3.00	3.00	3.60
Transport height (m)	4.00	4.00	4.16 (with micro-granular product on the row 4.25)
Transport length (m)	7.80	7.80	9.50
Weight incl. seed waggon approx. (kg)*	---	---	10 500
Axle load (kg)	7 000 – 8 700**	7 400 – 9 000**	8 500
Support weight (kg)	1 500 – 2 400**	1 600 – 3 000**	2 000
Hopper capacity seed wagon seed/fertiliser, version 1 (l)	2 200/5 400	2 200/5 400	2 000/7 000
Hopper capacity seed wagon seed/fertiliser, version 2 (l)	3 800/3 800	3 800/3 800	4 000/5 000
Feed opening seed waggon seed (mm)	800x660 (Version 1)	800x660 (Version 1)	800x660 (Version 1)
Feed opening seed waggon fertiliser (mm)	2 450x660 (Version 1)	2 450x660 (Version 1)	2 450x660 (Version 1)
Feed opening seed wagon seed/fertiliser (mm)	1 680x660 (2 x, version 2)	1 680x660 (2 x, version 2)	1 680x660 (2 x, version 2)
Number of rows	12	16	16
Electr. coulter pressure adjustment terminal (kg)	150–350	150–350	150–350
Depth control wheel Ø (cm)	40	40	40
Press wheel Ø (cm)	30/33	30/33	30/33
Catching roller	Standard	Standard	Standard
Row spacing (cm, inch)	70/75/80/30"	70/75/80/30"	90/30"
Sowing depth (cm)	1.5–9	1.5–9	1.5–9
Drop height seed (cm)	45	45	45
Tyre size seed waggon	520/85 R 38	520/85 R 38	520/85 R 42
Tyre size seed wagon (optional)	580/70 R 38	580/70 R 38	---
Telescopic axle	Standard	Standard	Standard
Working speed (km/h)	2–12	2–12	2–12
Horsepower requirement from (kW/hp)	147/200	160/220	184/250
Depressurized return flow (max. 5 bar)	1	1	1
DA control devices direct drive	1 DA hydr. functions, 1 DA hydr. fan direct drive underpressure with adjustable flow rate, 1 DA hydr. fan direct drive fertiliser and seed with adjustable flow rate, 1 DA hydr. filling auger fertiliser system	1 DA hydr. functions, 1 DA hydr. fan direct drive underpressure with adjustable flow rate, 1 DA hydr. fan direct drive fertiliser and seed with adjustable flow rate, 1 DA hydr. filling auger fertiliser system	1 DA hydr. functions, 1 DA hydr. fan direct drive vacuum with adjustable flow rate, 1 DA hydr. fan direct drive fertiliser with adjustable flow rate, 1 DA hydr. fan direct drive seed with adjustable flow rate, 1 DA hydr. fillilng auger fertiliser system
DA control devices pto-shaft drive	---	---	1 DA hydr. functions, 1 DA hydr. fan direct drive seed with adjustable flow rate, 1 DA hydr. filling auger fertiliser system
Oil quantity hydr. fan fertiliser without micro-granular unit (l/min)	---	---	60
Oil quantity hydr. fan fertiliser with micro-granular unit (l/min)	---	---	75
Oil quantity hydr. fan seed (l/min)	---	---	20
Oil quantity hydr. fan fertiliser/seed (l/min)	50	50	---
Oil quantity hydr. fan underpressure (l/min)	25	25	55
Oil quantity min. lifting/ lowering (l/min)	40	40	40
Power demand during operation (A)	45	50	50
Adj. drawbar linkage	Ring hitch Ø 58/79 mm	Ring hitch Ø 58/79 mm	Ring hitch Ø 58/79 mm
Ball-type linkage	K 80	K 80	K 80

* Weights of the machines with minimum equipment
** Weight of the empty machines with minimum/maximum equipment

HORSCH Maestro SV	Maestro 18.45–50 SV	Maestro 24.45–50 SV
Transport width (m)	3.00	3.00
Transport height (m)	4.00	4.00
Transport length (m)	7.80	7.80
Axle load (kg)*	7 800–10 000	8 600–10 800
Support weight (kg)*	1 000–2 200	2 000–3 000
Hopper capacity seed wagon seed/fertiliser, version 1 (l)	2 200/5 400	2 200/5 400
Hopper capacity seed wagon seed/fertiliser, version 2 (l)	3 800/3 800	3 800/3 800
Feed opening seed waggon seed (mm)	800x660 (Version 1)	800x660 (Version 1)
Feed opening seed waggon fertiliser (mm)	2 450x660 (Version 1)	2 450x660 (Version 1)
Feed opening seed wagon seed/fertiliser (mm)	1 680x660 (2 x, version 2)	1 680x660 (2 x, version 2)
Number of rows	18	24
Electr. coulter pressure adjustment terminal (kg)	150–350	150–350
Depth control wheel Ø (cm)	40	40
Press wheel Ø (cm)	30/33	30/33
Catching roller	Standard	Standard
Row spacing (cm)	45/50	45/50
Sowing depth (cm)	1.5–9	1.5–9
Drop height seed (cm)	45	45
Tyre size seed waggon	520/85 R 38	580/70 R 38
Tyre size seed wagon (optional)	580/70 R 38 Twin tyres 300/95 R 46	--- Twin tyres 300/95 R 46
Telescopic axle	Standard	Standard
Working speed (km/h)	2–12	2–12
Horsepower requirement from (kW/hp)	160/220	220/300
Depressurized return flow (max. 5 bar)	1	1
DA control devices direct drive	1 DA hydr. functions, 1 DA hydr. fan direct drive underpressure with adjustable flow rate, 1 DA hydr. fan direct drive fertiliser and seed with adjustable flow rate, 1 DA hydr. filling auger fertiliser system	1 DA hydr. functions, 1 DA hydr. fan direct drive vacuum with adjustable flow rate, 1 DA hydr. fan direct drive fertiliser with adjustable flow rate, 1 DA hydr. fan direct drive seed with adjustable flow rate, 1 DA hydr. fillilng auger fertiliser system
DA control devices pto-shaft drive	---	1 DA hydr. functions, 1 DA hydr. fan direct drive seed with adjustable flow rate, 1 DA hydr. filling auger fertiliser system
Oil quantity hydr. fan fertiliser without micro-granular unit (l/min)	---	60
Oil quantity hydr. fan fertiliser with micro-granular unit (l/min)	---	75
Oil quantity hydr. fan fertiliser/seed (l/min)	50	---
Oil quantity hydr. fan seed (l/min)	---	20
Oil quantity hydr. fan underpressure (l/min)	25	55
Oil quantity min. lifting/lowering (l/min)	40	40
Power demand during operation (A)	50	60
Adj. drawbar linkage	Ring hitch Ø 58/79 mm	Ring hitch Ø 58/79 mm
Ball-type linkage	K 80	K 80

* Weight of the empty machines with minimum/maximum equipment

TECHNICAL SPECIFICATIONS

HORSCH Maestro SV	Maestro 24.70–75 SV/30" SV	Maestro 36.45–50 SV
Transport width (m)	3.00	3.00
Transport height (m)	4.16 (with micro-granular product on the row 4.25)	4.16 (with micro-granular product on the row 4.25)
Transport length (m)	9.50	9.60
Weight incl. seed waggon (kg)*	13 000	15 500
Axle load (kg)**	10 000	11 400
Support weight (kg)	3 000	4 100
Hopper capacity seed wagon seed/fertiliser, version 1 (l)	2 000/7 000	2 000/7 000
Hopper capacity seed wagon seed/fertiliser, version 2 (l)	4 000/5 000	4 000/5 000
Feed opening seed waggon seed (mm)	800 x 660 (Version 1)	800 x 660 (Version 1)
Feed opening seed waggon fertiliser (mm)	2 450 x 660 (Version 1)	2 450 x 660 (Version 1)
Feed opening seed wagon seed/fertiliser (mm)	1 680 x 660 (2 x, version 2)	1 680 x 660 (2 x, version 2)
Number of rows	24	36
Electr. coulter pressure adjustment terminal (kg)	150–350	150–350
Depth control wheel Ø (cm)	40	40
Press wheel Ø (cm)	30/33	30/33
Catching roller	Standard	Standard
Row spacing (cm, inch)	70/75/30"	45/50
Sowing depth (cm)	1.5–9	1.5–9
Drop height seed (cm)	45	45
Tyre size seed waggon	520/85 R 42	520/85 R 42
Tyre size seed wagon (optional)	---	Twin tyres 320/90 R 54
Telescopic axle	Standard	Standard
Working speed (km/h)	2–12	2–12
Horsepower requirement from (kW/hp)	257/350	257/350
Depressurized return flow (max. 5 bar)	1	1
DA control devices direct drive	1 DA hydr. functions, 1 DA hydr. fan direct drive underpressure with adjustable flow rate, 1 DA hydr. fan direct drive fertiliser with adjustable flow rate, 1 DA hydr. fan direct drive seed with adjustable flow rate, 1 DA hydr. filling auger fertiliser system	1 DA hydr. functions, 1 DA hydr. fan direct drive underpressure with adjustable flow rate, 1 DA hydr. fan direct drive fertiliser with adjustable flow rate, 1 DA hydr. fan direct drive seed with adjustable flow rate, 1 DA hydr. filling auger fertiliser system
DA control devices pto-shaft drive	1 DA hydr. functions, 1 DA hydr. fan direct drive seed with adjustable flow rate, 1 DA hydr. filling auger fertiliser system	1 DA hydr. functions, 1 DA hydr. fan direct drive seed with adjustable flow rate, 1 DA hydr. filling auger fertiliser system
Oil quantity hydr. fan fertiliser without micro-granular unit (l/min)	60	---
Oil quantity hydr. fan fertiliser with micro-granular unit (l/min)	75	---
Oil quantity hydr. fan fertiliser (l/min)	---	65
Oil quantity hydr. fan seed (l/min)	20	20
Oil quantity hydr. fan underpressure (l/min)	55	55
Oil quantity min. lifting/lowering (l/min)	40	40
Power demand during operation (A)	65	80
Adj. drawbar linkage	Ring hitch Ø 58/79 mm	Ring hitch Ø 58/79 mm
Ball-type linkage	K 80	K 80

* Weights of the machines with minimum equipment
** Max. axle load of the machine > 10 000 kg

HORSCH Maestro SX	Maestro 12.70–80 SX/30" SX	Maestro 16.70–75–80 SX/30" SX	Maestro 18.45–50 SX	Maestro 24.70–75 SX/30" SX
Transport width (m)	3.00	3.00	3.00	3.00
Transport height (m)	4.00	4.00	4.00	4.16 (with micro-granular product on the row 4.25)
Transport length (m)	7.80	8.90	7.80	9.50
Weight incl. seed waggon (kg)*	---	---	---	13 000
Axle load (kg)	7 000–8 700*	7 400–9 000*	7 800–10 000*	10 000**
Support weight (kg)	1 500–2 400*	1 600–3 000*	1 000–2 200*	3 000
Hopper capacity seed wagon seed/fertiliser, version 1 (l)	2 200/5 400	2 200/5 400	2 200/5 400	2 000/7 000
Hopper capacity seed wagon seed/fertiliser, version 2 (l)	3 800/3 800	3 800/3 800	3 800/3 800	4 000/5 000
Feed opening seed waggon seed (mm)	800 x 660 (Version 1)	800 x 660 (Version 1)	800 x 660 (Version 1)	800 x 660 (Version 1)
Feed opening seed waggon fertiliser (mm)	2 450 x 660 (Version 1)	2 450 x 660 (Version 1)	2 450 x 660 (Version 1)	2 450 x 660 (Version 1)
Feed opening seed wagon seed/fertiliser (mm)	1 680 x 660 (2 x, version 2)	1 680 x 660 (2 x, version 2)	1 680 x 660 (2 x, version 2)	1 680 x 660 (2 x, version 2)
Number of rows	12	16	18	24
Electr. coulter pressure adjustment terminal (kg)	150–350	150–350	150–350	150–350
Depth control wheel Ø (cm)	40	40	40	40
Press wheel Ø (cm)	30/33	30/33	30/33	30/33
Catching roller	Standard	Standard	Standard	Standard
Row spacing (cm, inch)	70/75/80/30"	70/75/80/30"	45/50	70/75/30"
Sowing depth (cm)	1.5–9	1.5–9	1.5–9	1.5–9
Tyre size seed waggon	520/85 R 38	520/85 R 38	520/85 R 38	520/85 R 42
Tyre size seed wagon (optional)	580/70 R 38	580/70 R 38	580/70 R 38 Twin tyres 300/95 R 46	---
Telescopic axle	Standard	Standard	Standard	Standard
Working speed (km/h)	6–15	6–15	6–15	6–15
Horsepower requirement from (kW/hp)	162/220	184/250	184/250	294/400
Depressurized return flow (max. 5 bar)	1	1	1	1
DA control devices direct drive	1 DA hydr. functions, 1 DA hydr. fan direct drive overpressure a. seed with adjustable flow rate, 1 DA hydr. fan direct drive fertiliser with adjustable flow rate, 1 DA hydr. filling auger fertiliser system	1 DA hydr. functions, 1 DA hydr. fan direct drive overpressure a. seed with adjustable flow rate, 1 DA hydr. fan direct drive fertiliser with adjustable flow rate, 1 DA hydr. filling auger fertiliser system	1 DA hydr. functions, 1 DA hydr. fan direct drive overpressure a. seed with adjustable flow rate, 1 DA hydr. fan direct drive fertiliser with adjustable flow rate, 1 DA hydr. filling auger fertiliser system	1 DA hydr. functions, 1 DA hydr. fan direct drive overpressure a. seed with adjustable flow rate, 1 DA hydr. fan direct drive fertiliser with adjustable flow rate, 1 DA hydr. filling auger fertiliser system
Oil quantity hydr. fan fertiliser without micro-granular unit (l/min)	---	---	---	60
Oil quantity hydr. fan fertiliser with micro-granular unit (l/min)	---	---	---	75
Oil quantity hydr. fan fertiliser (l/min)	50	50	50	---
Oil quantity hydr. fan overpressure/seed (l/min)	60	70	70	80
Oil quantity min. lifting/lowering (l/min)	40	40	40	40
Power demand during operation (A)	45	50	50	65
Adj. drawbar linkage	Ring hitch Ø 58/79 mm	Ring hitch Ø 58/79 mm	Ring hitch Ø 58/79 mm	Ring hitch Ø 58/79 mm
Ball-type linkage	K 80	K 80	K 80	K 80

* Weight of the empty machines with minimum/maximum equipment
** Max. axle load of the machine > 10 000 kg

EN-60.063.323 (2021/12)

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