





Intelligent machines for global challenges.

WINTERSTEIGER has established itself at the top of a niche market which will continue to gain significance in future. Agronomists and plant breeders today face the challenge of introducing new developments to make a decisive contribution towards sustainable food and energy supplies for the world.

WINTERSTEIGER supplies the technology needed to do this. The Classic plot combine fulfills all the requirements for a quick, clean harvest, from F3 generation ranges to experimental plots. This ensures optimum conditions for research, breeding, and testing of field crops including specialty crops.

Read the following pages to discover in detail what the global market leader offers you.



Contents:

Classic Plot Combine	4
Basic machine	6
Cockpit	7
Headers	8
Grain collection and transport	10
Sampling	11
Threshing and cleaning	12
Mobile data collection	13
Technical data	17
Special versions	18
Classic ST Stationary Combine	19
After Sales Service	20
WINTERSTEIGER SEEDMECH	21
WINTERSTEIGER Worldwide	23



Classic Plot combine.

Clean harvesting with modular flexibility.

The WINTERSTEIGER classic plot combine meets all requirements for a quick, clean harvest, from F3 generation ranges to experimental plots.

Thanks to its modular system, the combine is suitable for all harvesting conditions and customer requirements. Its dimensions and low weight make the machine easy to transport.



Your benefits summed up:

- Best threshing performance combined with maximum cleanness
- Mix-free harvesting thanks to header with conveyor belt and 2 feeding rollers, integrated blower, threshing case conveyor belt and pneumatic seed delivery
- Easy operation thanks to multi-function lever for all driving and harvesting functions, hydraulic steering and hydrostatic drive train
- The wide range of bagging and sampling methods as well as the automatic weighing system with moisture measurement can be adjusted to match customer-specific procedures
- The compact design offers excellent maneuverability and easy transportation



Basic machine for peak performance.

The WINTERSTEIGER Classic has a hydrostatic drive train with powerful wheel hub motors. The water cooled Perkins diesel engine with 38 kW (52 HP) is designed for maximum performance and operational safety. Speed range: forward/reverse 0 - 16 km/h (0 - 10 mph).

In difficult terrain, an all-wheel drive option with a reinforced rear axle and wheel hub motors can be additionally engaged from the driver's seat.

Accessories and options:

- Approval for driving on public roads
- Electro-hydraulically controlled differential lock action on the front wheel hub motors can be switched on and off from the cockpit
- Compressor with air hose for cleaning the combine's exterior
- 40 liter air tank additionally available for comprehensive cleaning without running the engine

The compact design offers excellent maneuverability and easy transportation.



Excellent visibility from the cockpit.

The WINTERSTEIGER Classic cockpit convinces owners with a number of benefits, but in particular due to a clear-cut layout of the control panel, easy and simple operation and a wide range of settings accessible from the driver's seat.

On top of this, the cockpit gives the driver a perfect view of all functional areas. The spring mounted, ergonomic seat can be adjusted to match the driver's weight.

Paneling and a special hood protect the driver and operator from noise, dust and heat.



Control panel



Multifunction lever

An optional Stop&Go foot pedal lets you drive and stop the machine without changing the position of the multifunction lever. This simplifies operation and improves the field work.

All controls and displays are clearly laid out and easily accessible:

- Hydraulic steering
- Hydraulic setting of cutting table and reel height
- Stepless hydraulic reel speed adjustment from 0 - 45 rpm
- Quick stop for cutting table, reel and cutting table conveyor

The multifunction lever puts all the machine's driving and harvesting controls in your hand:

- Driving operations forward/backward infinite
- Raising/lowering the cutting table
- Raising/lowering the reel
- Reel forward/backward
- Differential lock on/off
- Weighing system plot end

Accessories:

- Lighting system for road driving
- Lighting system for night work
- Sun roof over the driver's platform
- Roll bar with sun roof over the driver's platform
- Cabin with all-round view and 3-stage fan
- Rotary light
- Approved for road driving



A variety of headers are available.

Cutting table with belt feeder.

The cutting table is a combination of a conveyor belt, intake auger and transfer drum. It has proven itself under the most difficult harvesting conditions, such as lodged, heavy, or bulky crops with high moisture levels. Available in cutting widths of 125 cm and 150 cm (49" and 59"). The consistent feed of the plot and the large distance between the cutter bar and the intake auger guarantee minimal seed loss. Side air nozzles on the cutting table guarantee absolutely mix-free harvesting.



Cutting table with belt feeder

The cutting table has the following characteristics:

- Mix-free harvesting thanks to fully covered cutting knife and conveyor belt, anti-static rubber conveyor belt and pneumatic clean out system
- Consistent feed and high harvesting capacity
- Fast stop system for the cutting table and reel prevents the intake of foreign objects
- Adjustable cutting skids guarantee an even cutting height
- Excellent harvesting results even in difficult conditions due to crop lifters and extra-long crop dividers

Cutting table accessories:

- 2 reel brushes keep grains out of the cutting table without requiring manual cleaning
- Hydraulic horizontal reel adjustment
- Pick-up attachment
- Underbody cladding for cutting table to prevent damage to the conveyor belt by sunflower stalks, bean stubble etc.
- Extra-long crop dividers for perfect splitting of plots with long stem plants
- Crop lifter for harvesting lodged crops
- Vertical cutting unit on the right in place of the crop divider for rapeseed, beet, bean and vegetable plots to minimize losses at the separating lines
- Vertical cutting unit on the left in addition to the vertical cutting unit on the right for harvesting only the center of plots
- Rubber flaps for harvesting peas or beans, preventing overripe or burst crops from rolling or bouncing away, thus preventing losses on the cutting table



Corn header, 2-row.

- Heavy duty frame with conveyor belt
- For use for 60 - 75 cm (23.6" - 29.5") spacing between rows
- Hydraulic adjustment of picker bars
- Easily removable plastic covers and snouts
- with distance indicated at drivers platform



Corn picking header 2-row

Sunflower attachment.

- Wide divider points with narrow inlets for low-loss, unobstructed intake of thick stems and large crops
- High side sections for precise separation from adjacent plots
- Row-independent
- Very strong construction



Sunflower attachment

Row-Crop-Header.

For high-performance and clean harvesting of soybeans in rows.

- Handling of the harvested crop without damaging the seeds due to intake conveyor belts and transport conveyor belt
- Mix-free thanks to conveyor belt and sealing of corners and edges
- Minimal seed loss
- Operator-friendly thanks to stepless hydraulic adjustment of intake speed and cutting height
- Emergency stop avoids intake of foreign particles
- Row spacing 75 cm (30") (other row spacing on request)
- Low cutting height



Row-Crop-Header

Mix-free, gentle pneumatic seed transport.

WINTERSTEIGER offers the right equipment for the job on hand:

Side mounted bagging, left-hand side.

Fully pneumatic seed delivery for 2 person harvesting operation with adjustable blower, injector sluice, cyclone and double-bag holder. This bagging option works completely mix free and is gentle to the seeds.

Accessories:

- Additional platform for bagging
- Seat for additional platform



Side mounted bagging, left-hand side

Grain tank.

Capacity: 400 liters, with pneumatic seed delivery and unloading auger. Grain can be bagged or transported to a grain tank by operating a switch valve. After removing the bottom flap with snap locks you can clean the grain tank easily and thoroughly.



Grain tank

Skid bagging at sides.

A skid with 8 hoppers is attached at the side of the machine. Each hopper holds 30 liters and can be filled with the material harvested in a single plot. The hopper is changed at the press of a button. When all hoppers are filled, the skid is lowered. Two skids are included in the basic scope of delivery.



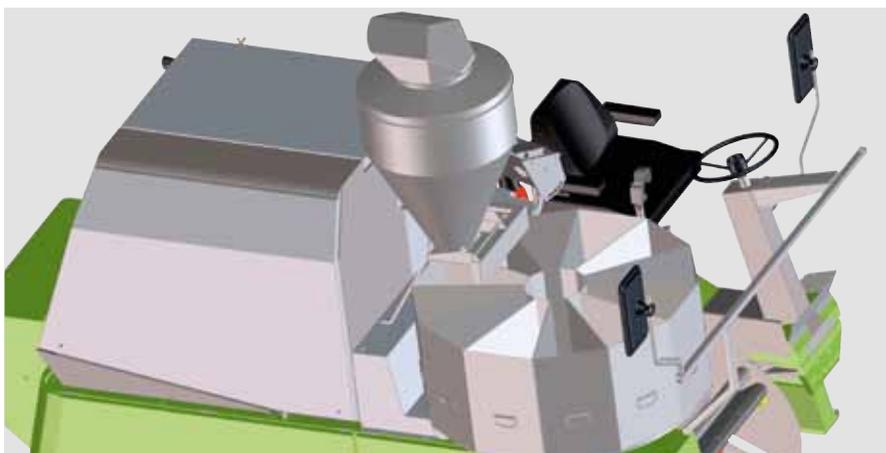
Skid-based bagging at sides

Carrousel bagging.

A carrousel is mounted to the right of the driver's seat with either 8 (45 l content), or 12 (30 l content) hoppers for one person operation. The driver is moving the carrousel by pushing a button to harvest the next plot.

Top mounted bagging, right-hand side.

Next to the driver's seat with pneumatic seed delivery, adjustable blower, injector sluice and cyclone.



Carrousel bagging with 12 hoppers

Sampling with adjustable volume.

The following sampling options are possible in conjunction with the weighing system:

- Side mounted sampler on the combine (0 - 1000 ml) (2-man harvesting method)
- Sampler mounted next to driver's seat for 450 or 900 ml (1-man harvesting method)



Side mounted sampler (2-man harvesting method)



Sampler mounted next to driver's seat (1-man harvesting method)

Mix-free and clean harvesting.

- 1 In-take auger
- 2 Feeder roller
- 3 Conveyor belt
- 4 Threshing drum
- 5 Concave
- 6 Transport belt
- 7 Shakers



Conveyor belt, feed drum, feed roller, threshing drum, shaker, cleaning sieve, screening device, fan – perfect synchronization of critical components combined with pneumatic grain feeding guarantee mix-free and excellent threshing performance

Perfect threshing for a clean harvest.

Tried and trusted threshing technology guarantees clean sample, best straw through put and thanks to the pneumatic seed delivery system a mix free sample. Controls and adjustments are carried out from the driver's seat

A high level of purity of the harvested sample is guaranteed by:

- Various shakers and cleaning sieves
- Optimum distribution of air at the cleaning sieve
- Air deflector plates on the cleaning sieve
- Specific air distribution in the blower

Perfect threshing technology guarantees clean results even in the most difficult harvesting conditions.

Threshing drum drives.

Threshing drum variator with threshing drum reversing mechanism:

The threshing drum variator enables steplessly adjustable speed from 330 - 2100 rpm. A digital display indicates the threshing drum speed. Benefits: Simple adjustment to suit a variety of crops and harvesting conditions, producing a perfect yield even in damp, difficult conditions.



Threshing drum variator

The distance between the concave and threshing drum and the concave angle are displayed on a scale.

Sprockets:

The following speeds are possible with different combinations of sprockets and roller chains: 160, 220, 280, 470, 675, 850, 1045, 1320 and 1890 rpm.



Threshing drum reversing mechanism

Shakers.

One step shaker with guide plates and conveyor comb guarantees that straw is well loosened and it works well on slopes. The quick-change system enables the shakers to be replaced quickly and easily. The graepel type shaker with two adjustable strokes provides best seed separation. The cleaning fan speed is adjustable to provide a high quality sample. Shaker sizes: 6, 10, 14, 20, 28 mm.

Cleaning sieves.

- Graepel type sieve, 2 minute change time. Shaker sizes: 4, 6, 8, 12, 16, 20, 24 and 28 mm
- Small adjustable sieve from 4 - 20 mm, large adjustable sieve from 16 - 30 mm

Concave cassettes.

The patented cassette system enables the concave to be changed quickly by removing the concave to the side without removing the header. The following concave cassettes are available: 6, 9, 12, 18, 24 and 36 mm. There are also three de-awner bars for the concaves (9 and 12 mm).

Options:

- Spiked drum and concave for rice
- Rubberized beater drum for beans



Concave cassettes



Shaker and cleaning sieve

Mobile collection of all your harvest data.

WINTERSTEIGER also places an emphasis on future-oriented solutions in the field of mobile data collection. Only state of the art systems specially developed for agricultural research are used in our harvesting machines.

Automatic harvest data logging takes the following parameters into consideration (depending on the selected harvesting data system):

- Plot weight with maximum precision up to a slope of 10 %
- Moisture content of harvested material
- Volumetric weight

Mobile harvest data system Generic Harvest Module™.

This harvesting data system is perfectly suited for weighing in situations where you do not need to determine test weight, where extremely rapid cycle times are needed, for plot yield with measurements of max. 30 kg and when deploying the Field Research Software™ (FRS) to apply field plans, stores the measured data and exports the results.

The sequence is as follows during harvesting:

- The system comprises a holding hopper (cyclone) and the weighing bucket
- The weighing cycle is actuated manually at the end of the plot by pressing a button of the multifunction lever
- The system always transports the harvested material from the previous plot from the holding hopper to the weighing bucket while the holding buffer is filling with the material from the plot currently being harvested
- This approach avoids the need to wait for all of the harvested material to be fed through the harvester and to the weighing system
- The weight is measured in the weighing bucket
- The data is stored on the PC, e.g. the Allegro™ Field PC, or an industrial PC
- Additionally, the data can be documented on a mobile field printer or stored on a memory card



Mobile harvest data system Generic Harvest Module™

Technical data

Weighing system	
Dimensions (W x D x H)	500 x 530 x 530 mm (19,7" x 20.9" x 20.9")
Weight	30 kg (66 lbs)
Capacity	Approx. 25 kg (55 lbs) wheat
Grain discharge opening	110 x 155 mm (4.3" x 6.1)
Actuator	Precision pneumatics
Measuring precision/speed	
Weight	+/- 100g absolute
Speed cycle time	6 sec. – System ready, data recorded
HM 800 Electronic	
Protection class	Water and dust proof to IP67
Operating temperature	-20°C - +50°C
Power supply	9 - 17 V DC
Interface	CAN Bus – 4 wire
Connection	Con X all connectors

We reserve the right to make technical alterations.

Your benefits summed up:

- Simple layout
- Mechanical slope compensation
- Low-cost solution
- Fast cycle time
- Use of Field Research Software™ (FRS)

Mobile Harvesting Data System Classic GrainGage™.

This harvesting data system is perfectly suited for measuring the weight, moisture and hectoliter weight, and for plot yield as of 900 g where best possible measuring accuracy is required, and when deploying the Field Research Software™ (FRS) for application of field plans, storing measured data, and exporting the resulting data.

The sequence is as follows during harvesting:

- The GrainGage™ comprises a 3 chamber system. The first chamber serves as a holding hopper with filling level sensor. Moisture and weight measurements are performed in the second and third chambers
- Once the filling level sensor on the harvesting data system has sufficient material for weighing, the measurement starts automatically in the plot while the harvester is moving
- At the end of the plot, the remaining material is then weighed
- The individual sub-weights are added and the mean value of the acquired moisture data and the hectoliter weight are calculated
- The data is stored on the PC, e.g. the Allegro™ Field PC, or an industrial PC
- Additionally, the data can be documented on a mobile field printer or stored on a memory card
- Manual acknowledgment closes the weighing cycle. You can then immediately harvest the next plot

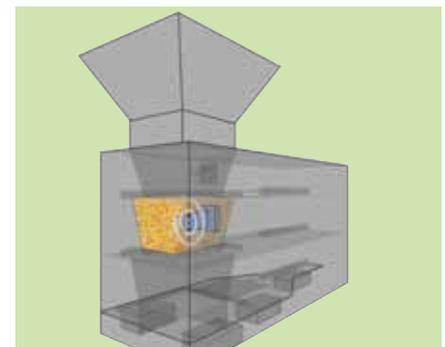
Your benefits summed up:

- **Precision electronics:** The new HM800 electronic links weight and moisture sensors by means of a CAN bus data line. The core element in this new data recording system is the "HM800 Analog and Actuator Module", removing the need for long and clumsy wiring
- **Slope and motion sensor:** Improves weighing precision and reduces errors caused by vibrations and the harvester moving. This enables weighing while the harvester is moving through the plot and measurements on slopes of up to 10%
- **Moisture sensor:** Highly precise measurements are possible even for high levels of moisture (up to 35%). The mean values of the sub-samples taken for a plots are calculated, thus providing representative results
- **Continuous harvesting** of long plots is supported
- Use of **Field Research Software™ (FRS)**

Technical data

Weighing system	
Dimensions (W x D x H)	736 x 356 x 533 mm (29" x 14" x 21")
Weight	45 kg (99 lbs)
Capacity	3.00 liters - approx. 2.5 kg (5.5 lbs) wheat 1.50 liters - approx. 1.2 kg (2.7 lbs) wheat 0.75 liters - approx. 0.6 kg (1.3 lbs) wheat
Grain discharge opening	152.4 x 215.9 mm (6" x 8.5")
Grain inlet opening	114.3 x 190.5 mm (4.5" x 7.5")
Actuator	Precision pneumatics
Measuring precision	
Weight	+/- 0.4% Full Scale or +/-10g absolute per weighing
Hectoliter weight	+/- 0.68 kg/HL
Moisture	+/- 0.5% - 25% (wet weight basis - wwb), +/- 0.9% - 35%
Minimal quantity for moisture measurement	At least a full partial weighing, 3.00 / 1.50 / 0.75 liters
Speed	Approx. 4 sec. per partial weighing
HM 800 Electronic	
Protection class	Water and dust proof to IP67
Operating temperature	-20°C to +50°C
Power supply	9 - 17 V DC
Interface	CAN Bus – 4 wire
Connection	Con X all connectors

We reserve the right to make technical alterations.



Moisture sensor

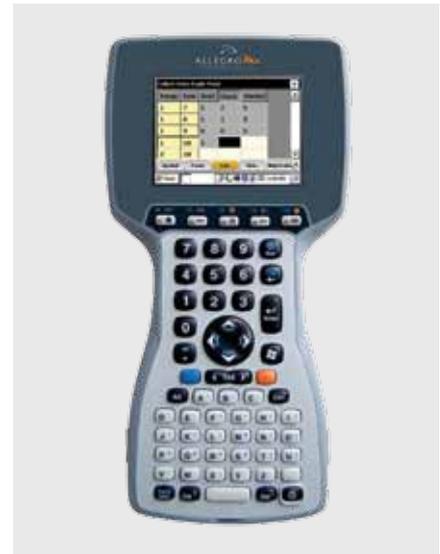


Weighing cells

Allegro™ MX Field PC.

The Allegro™ MX Field PC was developed to provide a mobile PC for rating data collection, or for deployment harvesters. The PC is resistant to dust, water, and vibrations, and offers the following specifications:

- Safe data storage
- Windows Mobile 6.1
- Integrated Bluetooth Wireless Technology
- IP67 certified (water and dust proof)
- Touch screen display
- Robust, full alphanumeric keyboard with large keys and many function keys
- Easy-to-read color display
- 12 hour mains-free operations
- User-friendly design



Allegro™ MX Field PC

Technical data

Processor	624Mhz PXA270 Processor
Operating system and software	Windows Mobile® 6 Classic, Microsoft® Office Mobile, various languages
Data memory	128MB RAM, 1 or 2 GB internal memory options, PCMCIA slot, type I or type II 16 bit, MicroSD/SDHC slot
Display options	3.8" (96 mm) color display QVGA (320 x 240), color display easily readable in daylight, monochrome display, heatable display for extreme conditions
Keyboard	Full 62-key alphanumeric keyboard, large keys with assignable functions, function keys, keyboard mounting removable for easy cleaning
Connections	USB Host – A, Mini USB Client – B, Com 1, RS-232C 9-pin subD with 5VDC on DTR pin, 12VDC power supply in, 10-18V non-regulated
Dimensions	256 x 133 x 79 mm (564" x 293" x 174")
Weight	840 g (1.9 lbs)
Environment	IP67 water and dust proof, operating temperature -30°C to 54°C, storage temperature -35°C to 60°C, tested to MIL-STD 810F for water, humidity, sand and dust, vibrations, temperature
Power supply	Rechargeable 4000mAh NiMH battery, running time 10 - 20 hours, fully recharged after 4 hours
Wireless connection	Bluetooth® wireless technology 2.0+EDR, Class 1, function radius 10 meters (394")
Certificates and standards	FCC Class B, CE Mark, EN60950, RoHS compliant
Standard accessories	4000 mAh NiMH battery, styluses pen and mini, power cable, documentation, USB cable, hand holder and shoulder carrying strap, multiple fastening options for retaining belt
Optional accessories	USB charger, 12VDC vehicle charger

We reserve the right to make technical alterations.



Field Research Software™ (FRS).

Developed in cooperation with plant breeders, FRS is a high-performance software for data collection and processing in field trials. FRS can be used in the field for note taking and on the harvester in combination with our mobile harvesting data systems. Special attention was paid to the user-friendliness of the software. The software runs on Windows XP, Mobile and CE, which will run on any standard PC, and on handheld devices such as the Allegro™. The software is additionally available in various languages.

First steps with the software.

Start by selecting one of the following menu items:

- **Activity:** Choose to launch the note taking or harvesting module
- **Field folder:** Select an existing field plan
- **Property template:** Select the property template, i.e. you can select enterprise-specific characteristics such as e.g. weight, humidity and similar



Preparation.

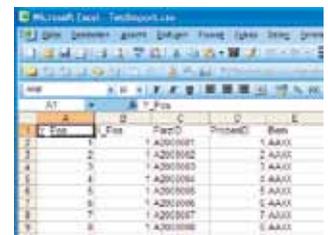
The first step is to create a field plan for the subsequent data collection. You can create the field plan directly in FRS, or easily import a field plan.



You can create your field plan in FRS. To do so, save a field folder under an intuitive name and define the number of plots and rows



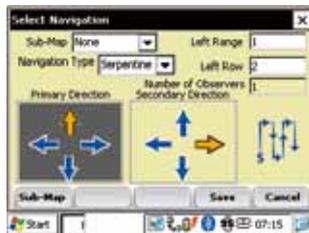
Enterprise specific characteristics can be created or imported as needed



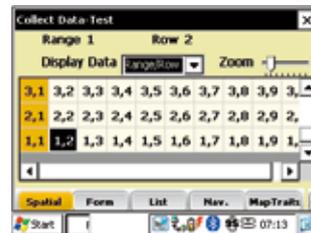
Of course, you can import field plans and previously defined characteristics

Data collection in note taking mode.

The FRS note taking module is used to record observations in field trial plots.



Start by defining field navigation, that is, the move direction or shape

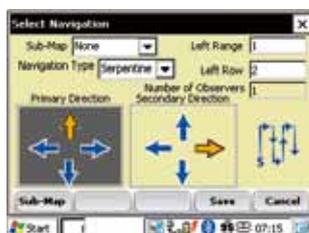


You can now record the values for the previously defined characteristics directly in the field plan. A visualization helps you identify plotstores that you have already recorded (orange) and those that you are currently logging (black)

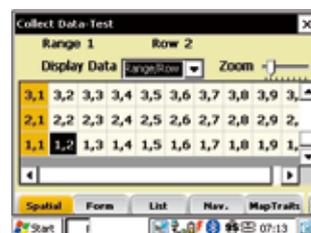


Data collection in the harvest mode.

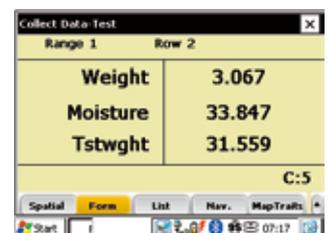
The FRS harvesting module is used to store measuring results in the field plan.



Start by defining field navigation, that is, the move direction or shape



After each measurement the selected properties are recorded in the field plan. A visualization helps you identify plotstores that you have already recorded (orange) and those that you are currently logging (black)

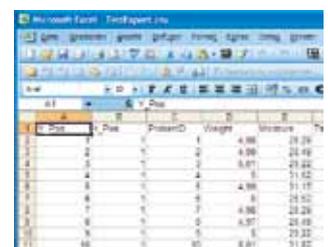


Data export.

After collection, the data can be exported in CSV file format for ongoing processing. CSV is a neutral text format which can be read by any text editor.

The data formats are compatible with the following programs:

- Prism – Central Software Solutions
- Agrobases – Agronomix Software, Inc.
- ARM – Gylling Data Management Inc.
- PIAF



Classic

Figures. Data. Facts.

Technical data

Basic machine/engine	
Perkins Diesel engine 2.2l	38 kW (52 HP), water-cooled
Tank capacity	45 l
Drive train and tires	
Hydrostatic drive train	Stepless 0 - 16 km/h (0 - 10 mph), approx. 10 km/h (6.2 mph) with all-wheel drive engaged
Steering	Hydraulic
Front tires = driving axle	31 x 15.50 - 15 (40 cm wide) 29 x 12.50 - 15 (30 cm wide) 10.0/75 - 15.3 AS (25 cm wide) 7.50 - 16 AS (20 cm wide)
Rear tires = steering axle	7.00/85 - 10 (18 cm wide) 23 x 8.50 - 12 (21 cm wide)
Driving axle track width	1150 - 1350 mm (45.3" - 53.2") depending on tires
Steering axle track width	1165 - 1175 mm (45.9" - 46.3") depending on tires
Foot brake	Hydrostatic
Parking brake	Graduated multiple disk brake
Ground clearance	190 - 250 mm (7.5" - 10")
Wheel base	2320 mm (91")
Cutting table and accessories	
Cutting table with belt feeder	1250 mm, 1500 mm (49", 59")
Cutting height setting	Hydraulic
Reel adjustment	0 - 45 rpm hydraulic
Reel	4-part
Crop divider, extra long	Optional: left and right
Crop lifter	5 or 6, depending on the width of cut
Grain collection and transport	
Bagging	Side mounted bagging left, top mounted bagging, right-hand side
Grain tank	400 liters (11 bu)
Weighing system	Optional
Threshing and cleaning	
Concave	8 concave bars
De-awner bars	3 de-awner bars
Threshing drum diameter	350 mm (13.8")
Threshing drum width	785 mm (30.9")
Speed adjustment	By means of variator: 330 - 2100 rpm stepless By means of sprockets: 160 - 1890 rpm in stages
Beater bars	6
Shakers	2 stroke lengths, sizes: 6, 10, 14, 20, 28 mm, area: 1.6 m ² (17 sqft)
Slop guides	2
Cleaning sieve	Sieves: 4, 6, 8, 12, 16, 20, 24, 28 mm Adjustable sieve small: 4 - 20 mm Adjustable sieve large: 16 - 30 mm Cleaning sieve: 0.65 m ² (7 sqft)
Cleaning blower	650 to 1500 rpm Mechanical variator adjustment
Options	Air tank
Compressor	10 l air tank, 40 l additional tank (option)
Dimensions	
Dimensions	Length: 5150 mm (203") Width: as of 1835 mm (72") Height: as of 2260 mm (87")
Weight	As of 2000 kg (4400 lbs)

We reserve the right to make technical alterations.

Special versions.

Classic for fine seeds and grass threshing.

- Additional side door in the threshing case for cleaning of the conveyor belt
- Antistatic conveyors in threshing case and on cutting table guarantee best mix-free harvesting
- Additional opening for easier access to the beater drum and for quicker clean out/blow out of the basic machine
- Precise finish of all corners, edges and rivets in the fine seed version guarantees best mix-free harvesting
- Special intake auger finger guide for mix-free intake
- Scraper for cleaning header and threshing case conveyor on the inside

Classic with full track system for rice harvesting.



- Track width: 1350 mm (53")
- Track belt width: 350 mm (14")
- External width full track system: 1700 mm (67")
- Internal width full track system: 1000 mm (40")

Other sizes available on special request.

Car trailer for transport on public roads.



Two aluminum drive-up ramps are stored on the trailer to enable fast loading and unloading. The aluminum side walls with sunk fastenings fold down and are removable. The automatic tow coupling has both an overrun brake and an automatic reverse function.

With its numerous options, WINTERSTEIGER is ready more or less for any challenge.

Technical data

Loading area (L x W x H)	5100 x 2100 x 350 mm (200.8" x 82.7" x 13.8")
Load height	770 mm (30.3")
External dimensions	Overall length: approx. 6400 mm (252") Overall width: approx. 2160 mm (85")
Drive up ramp (pair)	Length: 3000 mm (118") Load bearing capacity: 2800 kg (6170 lbs)
Payload	2750 kg (6060 lbs)
Permitted total weight	3500 kg (7715 lbs)

We reserve the right to make technical alterations.

Classic ST

Stationary combine.



The Classic ST has the same premium quality technology as the WINTERSTEIGER Classic. The changeable concaves, shakers and cleaning sieves support deployment with any threshable crop. Pneumatic seed delivery and the plot clean out system guarantee mix-free threshing and fast clean out of the combine. As it is mounted on a trailer chassis with generously dimensioned tires and drum brakes, the combine can be easily transported between locations.

The machine is fed by means of a long or short in-feed table with conveyor belt to support a constant flow of material to the threshing drum.

The combine is driven either by a diesel engine or by an electric motor and is thus suitable for uses in closed rooms. Alternatively, the electrical version can be powered by a PTO-driven generator.



Classic ST mounted on car trailer

Technical data

Basic machine/drive train		
Kubota diesel engine	15 kW (21 HP), 900 ccm 3 cylinder water cooled	
Tank capacity	45 l	
Electric motor	11 kW, 380 – 450 V, 23 A, 50Hz	
PTO mode	540 rpm	
Header		
Short header table	With conveyor belt	
Long header table	With conveyor belt (not available for car trailer model)	
Grain collection and transport		
Bagging	Side mounted bagging, left-hand side	
Weighing system	Optional	
Threshing and cleaning		
Concave	8 concave bars	
De-awner bars	3 de-awner bars	
Threshing drum diameter	350 mm (13.8")	
Beater bars	6	
Threshing drum width	785 mm (30.9")	
Speed adjustment	By means of variator: 330 - 2100 rpm stepless By means of sprockets: 280 -1880 rpm in stages	
Shakers	2 stroke lengths, 287 double strokes/min Sieves: 6, 10, 14, 20, 28 mm Area: 1.6 m ² (17 sqft)	
Slope guides	2	
Cleaning sieve	Sieves: 4, 6, 8, 12, 16, 20, 24, 28 mm Adjustable sieve large: 4 - 20 mm Adjustable sieve small: 16 - 30 mm Cleaning sieve: 0.65 m ² (7 sqft) 4 stroke lengths	
Cleaning blower	650 to 1500 rpm Mechanical variator adjustment	
Options		
Weighing system	Harvestmaster Classic Grain Gage	
Grain tank	400 l, with slider for emptying	
Compressor	10 l air tank, 40 l additional tank (option)	
Dimensions	2-axle chassis	Car trailer
Dimensions	Length: 4050 mm (159") Width: 1850 mm (73") Height without cyclone: 2000 mm (79") Height with cyclone: 2350 mm (93")	Length: 5150 mm (203") Width: 2170 mm (85") Height without cyclone: 2350 mm (93") Height with cyclone: 3200 mm (126")
Tires	7,0/85-10	185 R 14 C
Track width	1270 mm	1940 mm
Weight	1100 – 1300 kg (2425 - 2866 lbs)	1500 - 1800 kg (3307 - 3968 lbs)
Speed	20 km/h	80 km/h

We reserve the right to make technical alterations.

WINTERSTEIGER After Sales Service. The delivery is just the start of our service.

The best time to evaluate the quality of an investment is several years after delivery. That is why WINTERSTEIGER has set up a worldwide After Sales Service.

Commissioning and training

WINTERSTEIGER ensures both with its experts worldwide and of course on site.

Proactive maintenance

Maintenance and preventive exchange of pre-defined parts subject to wear and tear at pre-set times eliminate problems before they arise. For example, during our customers' annual holiday to keep maintenance costs as low as possible.

On-Call-Help-Desk

This service underlines our high claims for service for our partners worldwide. It ensures first class support even outside our own hours of business.

Strong customer service team

A large team of extremely well trained service staff provides comprehensive care for:

- Installation and commissioning
- Training
- Preventive maintenance
- Conversions
- Modifications
- Clearing faults
- Repairs
- Support
- Rapid supply of replacement parts

Advice services

- Advice from experts on technical equipment for research facilities
- Participation at international seed breeding symposia
- Arranging contacts with experts
- Advice from agricultural consultants in the definition and implementation of projects and technology transfer



Intensive guidance and training courses

WINTERSTEIGER regularly holds guidance and training courses for servicing staff, either directly on site, in our original building in Austria or one of our agencies around the world. They are the basis for perfect mastery of the machines and an uninterrupted harvest. This helps avoid down time and saves costs. Both WINTERSTEIGER service engineers and the service engineers from our agencies receive ongoing training and product information about new developments.

Those who sow also harvest with WINTERSTEIGER.

WINTERSTEIGER has positioned itself at the peak of a niche, which will become more critical in the future. Today, agricultural field research is challenged with providing significant contributions for a lasting food and energy supply to the world through new developments. WINTERSTEIGER provides the necessary technology.

Uniquely designed products offer a range, which covers the entire cycle of field research from the sowing to the harvesting:

■ Sowing

Precision spaced planters, plot drills, single row planters and plot tractors for the front and rear planting with seed machines

■ Fertilization and plant protection

Fertilizer distributors, field sprayer and hand-pushed plot sprayer

■ Data collection

Field PC's for mobile data acquisition

■ Harvesting

Plot combines, stationary combines and forage harvester

■ Laboratory analysis

Laboratory thresher, laboratory corn sheller, seed dresser, sample chopper and sample divider



Plot combine Split



Plot drill Plotseed S



Plot combine Delta



Laboratory thresher LD 350

As complete provider in agricultural testing, WINTERSTEIGER proves itself as strong partner for customers in various fields:

- Agricultural Universities and research centres
- Agricultural ministries and their departments for plant breeding
- National and international institutes for development projects

- National and international companies that research in the field of plant breeding
- Service companies that test for research companies

Precious seed deserves a careful harvest.



WINTERSTEIGER. A Global Player. Worldwide.

WINTERSTEIGER is the world market leader in its three divisions SPORTS, SEEDMECH and WOODTECH. Our success is based on customer proximity which we enjoy due to a globally-structured, tightly-knit sales and service network and sophisticated and future-oriented planning. In this we are guided by the following principles:

■ According to the „**Progress Principle**“ we are consistently extending our lead with targeted investments in research and development

■ By the „**Quality and Productivity Principle**“ we mean both computer-assisted planning and design, which result directly in fully automated production processes, as well as strict quality assurance management, which ensures continuous control from design to after-sales service

■ We meet the „**Qualification Principle**“ with optimally trained employees. Continuous professional development is an essential part of our strategy

■ On one hand we see the „**Sustainability Principle**“ as our permanent contribution to long-term success, while on the other it represents a clear commitment to conserving natural resources

The result:

- 15 subsidiaries
- 60 representatives worldwide
- Sales distribution in 130 countries
- 85 % export share
- World market leader in all three divisions

Division SPORTS

Total solutions for rental and servicing of skis and snowboards.



Division SEEDMECH

Worldwide No. 1 in field research equipment.



Division WOODTECH

Process solutions for quality thin-cutting.



Headquarters located in Ried im Innkreis, Upper Austria

Success begins with the right decisions.
At the right time. We look forward to you!



Worldwide No.1
WINTERSTEIGER
in field research equipment.

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