Grain Harvesting Equipment
Rostselmash worldwide

Product line

Power Stream header

Exceptional comfort

Torum 760/740
Powerful. Revolutionary. Rotary

Acros 590 Plus
Extreme efficiency

Acros 580/560/530
Reliable assistant to any farm

Vector 420/410
New class. New standard

Vector 450 Track
For harvesting under the most severe conditions

Niva
Simple. Saving

Adapters for different crops

Optional equipment

Specifications
ROSTSELMASH GROUP IS ONE OF THE TOP FIVE GLOBAL MANUFACTURERS OF AGRICULTURAL MACHINERY.
RUSSIA
Rostov-on-Don Rostselmash manufactures grain/forage harvesters and self-propelled windrower under the brand of Rostselmash, and tractors/sprayers under the brand of VERSATILE.

Rostov-on-Don Klever produces adapters for Rostselmash harvesters, trailed/mounted forage machinery, equipment for grain processing and storage, municipal and snow-removal vehicles.

Morozovsk, Rostov Region Morozovskselmash manufactures adapters for Rostselmash harvesters and trailed/mounted forage machinery.

CANADA
Winnipeg VERSATILE produces 190-575 h.p. VERSATILE tractors. Central warehouse for VERSATILE parts.

Morden Farm King manufactures augers, grain cleaners, snowblowers and compact tillers. Central warehouse for Farm King parts.

Farm King Vegreville BUHLER EZEE-ON New assets of Rostselmash Group, produces soil cultivating and sowing equipment.

USA
Salem Feterl Manufacturing Corp manufactures grain processing and storage equipment supplied to the Russian market under the brand of ROSTSELMASH.

Fargo Farm King produces bale wagons, grader blades, front-end loaders supplied to the Russian market under the brand of ROSTSELMASH.

Villmar VERSATILE manufactures pull type and self-propelled sprayers supplied to the world market under the brand of VERSATILE.
EXPERIENCE. INNOVATIONS. SUCCESS

Over 80 years Rostselmash has produced agricultural machinery demanded all over the world. This fact made it possible to gain a tremendous experience allowing to make a real-time response to constantly changing customer demands and to develop effective harvesting solutions.

Today Rostselmash unites 13 enterprises located all around the world and aimed at one single target – production of reliable and efficient machinery capable of becoming an indispensable assistant to each farm.

Investment in production development, attention to customer opinion and tendency to use innovative technologies together with accumulated experience are the basis of Rostselmash success. Our equipment has outgrown its traditional CIS markets long ago gaining confidence of a large number of farmers from Canada, USA, Argentina, Eastern Europe, Middle East and Africa.

As of today Rostselmash offers 20 different types of agricultural machinery and over 100 various models and modifications. Thus, everyone from a small farmer to the head of an agricultural holding company may choose for themselves the most efficient Rostselmash equipment.

Forage conservation is one of the most responsible sectors of agriculture and therefore forage harvesters must be unexceptionable. Rostselmash is a world famous and recognized company due to its grain and forage harvesters, which proved to be reliable and productive through long years of operation. RSM forage harvester is a striking example of this fact. Altogether Rostselmash range of forage harvesters includes two series of self-propelled combines and two models of KSU self-propelled windrower.
ULTIMATE EFFICIENCY FROM ROSTSELMASH

The company has produced over 2,6 million harvesters in its 80-year history. Such experience allows us to offer the most efficient agricultural machinery for harvesting regardless of crop type and agroclimatic conditions.

Today Rostselmash incorporates 13 assembly facilities in Russia, USA, Canada, Europe, Ukraine and Kazakhstan with over 11 thousand employees.

15 different modifications of grain harvesters from four series – TORUM, ACROS, VECTOR and NIVA. All of them are united by one brand name – Rostselmash, which has been associated with quality, reliability and efficiency for the past dozens of years.

That is why our machines are operated in over 40 countries of the world.

That is why 70% of the whole Russian agricultural park was made by Rostselmash.

Every year our harvesters show the most impressive results in different areas and on various continents of the world, thus raising the bar of performance for agricultural machinery.

It has become possible due to company’s innovative policy aimed at application of modern equipment and technologies along with global engineering principles.

Rostselmash products are sold by over 500 authorized dealers carrying out full pre-sale inspection of each machine and providing after-sales and post-warranty service.

Partnership with ROSTSELMASH is an assurance that within shortest possible time you will get reliable and high-performance harvesters capable of becoming an indispensable assistant to any farm.

TORUM 760/740

- Engine 490/400 hp
- Rotor diameter 762 mm, length 3200 mm
- Concave coverage 360 degrees
- Cleaning 5.20 m²
- Grain tank 12 000/10 500 l
- Unloading 105 l/sec

ACROS 590 Plus

- Engine 325 hp
- Drum diameter 800 mm, length 1480 mm
- Separation 5 keys, area 6.3 m²
- Cleaning 5.20 m²
- Grain tank 9000 l
- Unloading 90 l/sec

ACROS 580/560/530

- Engine 300/280/255 hp
- Drum diameter 800 mm, length 1480 mm
- Separation 5 keys, area 6.15 m²
- Cleaning 4.74 m²
- Grain tank 9000 l
- Unloading 90 l/sec
**VECTOR 420/410**

- Engine 220/210 hp
- Drum diameter 800 mm, length 1180 mm
- Separation 4 keys, area 5.0 m²
- Cleaning 3.59 m²
- Grain tank 6000 l
- Unloading 50 l/sec

**VECTOR 450 Track**

- Drum diameter 800 mm, length 1180 mm
- Separation 4 keys, area 5.0 m²
- Cleaning 3.59 m²
- Grain tank 6000 l
- Unloading 50 l/sec
- Tracks

**NIVA**

- Engine 155 hp
- Drum diameter 600 mm, length 1180 mm
- Separation 4 keys, area 4.34 m²
- Cleaning 2.42 m²
- Grain tank 3000 l
- Unloading 40 l/sec
**Hydraulic reel drive** provides smooth adjustment of rotation speed, thus ensuring optimal and even feed for improved performance. It is a simple and durable mechanism requiring minimum control.

**Schumacher cutterbar** runs smoothly and precisely. High cutting frequency and increased cutting stroke enhance quality and performance, especially under adverse conditions. Knives are secured by bolts, which reduces time spent on their replacement. Laid crops are harvested with crop lifters (standard equipment) raising stems off the ground in order to reduce losses.
Synchronization of reel rotation with harvester’s speed facilitates combiner’s work and reduces requirements to operator’s qualification. As a result harvesting output is increased and losses are reduced. Joints between reel arms and rakes are securely protected from wrapping long-stemmed plants.

Large diameter auger prevents high-stemmed crops from wrapping. Teeth between flight screws along the whole cutting width ensure feed motion even while harvesting peas and low-stemmed barley (for headers with auto terrain control). Teeth have an undercut for careful breaking if crashed against stones.
Refrigerator
Cold beverages are always near, just at arm’s length.

Large panoramic windshield
Large glass area (over 5 m²) and panoramic form provides unimpeded all-round view.

Hydraulic transmission knob
The knob was designed for natural palm grip and is pleasant to handle.

Adjustable steering column
Adjustable height and inclination of the steering column will help to fit the seat to your comfort.

Microclimate control system
Air conditioner, heater and ventilation are capable of generating healthy and pleasant microclimate.
ADVISER Monitor
Trip computer is used for monitoring threshing and harvester’s operation, thus allowing to control technological process and to prevent malfunctions.

Audio System
Working stress may be relieved by favourite music. Mounting bracket has been already installed, all you need is to connect standard plugs and sockets. Audio system and antenna are standard equipment.

Comfortable Work Seat
Adjustable spring-mounted seat enables the operator to find comfortable position and, therefore, to focus completely on harvesting.

Additional Seat
Assistant and trainee can make themselves comfortable on a padded seat.
TORUM 760/740
POWERFUL, REVOLUTIONARY, ROTARY

TORUM is a rotor harvester considered to be one of the most productive in the world. Range of harvested crops is amazing – from wheat to rice. This harvester will suit farms with large sown areas and high yield: the more the combine is loaded, the more productive its work becomes. Due to ARS* innovative threshing system TORUM handles crops with which common rotor harvester would have certain difficulties.

* Advanced Rotor System consists of a beater feed elevator, rotor with rotating concave and variable ratio drive.

BEATER FEEDING HOUSE

This feeding house is really unique, because its conventional chain-and-slat conveyor was replaced by three descending beaters with special features. Such design allows to improve the stability of operating procedure and, as a consequence, to increase harvester’s performance.

Feeding house beaters flatten cropflow and boost it into the rotor ensuring stable operating procedure. Studies have shown that beater increases feeding capacity by 20% and reduces power consumption by 15% as compared with the conventional conveyor. This design is particularly effective for uneven windrows, on damp and weeded grains, rice and other sever conditions.

PERFECTLY CLEAN

TORUM is also equipped with a two-stage cleaning system and sieves with total area of 5,2 m². The system is balanced excellently: shuttle board and lower sieve are moving in one direction and massive upper sieve in the other.

Powerful two-section fan with hydraulic drive generates an even flow along the sieves and eliminates dead spaces in the center of the sieve case, since air is taken not only from the end faces but also from the middle. Such design ensures perfectly clean grain.
Clean grain is transported to 10,500 l grain tank (12,000 l as an option). Large volume grain tank allows to increase efficiency by reducing the number of unloads. With unloading rate of 105 l/sec a full tank is emptied in less than two minutes. Unloading auger is long enough for any transport vehicle. Convertible roof, grain level sensor and other features provide additional convenience and increase performance.

**UNIQUE TRIPLE THRESHING SYSTEM**

The concave consists of three threshing sections allowing to set concave clearance in the same plane. Therefore, grain is threshed three times per one rotor revolution as opposed to single threshing in conventional rotor designs.

**FASTIER, HIGHER, MORE**

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**Up to the last seed.** Before being chopped cropflow is passed through final separation by beater with a cylinder concave mounted at the exit form the rotor.

**Chopper with built-in chaff spreader.** Overlap of chaff and straw flows results in a more even distribution of chopped residue.

**High quality straw.** Rotor separator is equipped with a screw coiling allowing TORUM to handle straw very carefully.
For many years of operation ACROS harvesters have proved their efficiency and capability to show truly phenomenal results. What else could be improved? Designers have put the emphasis on harvester’s operation under conditions specific for one-drum combines. ACROS 590 Plus is highly demanded by farms located in the areas with high yield, humidity and straw content.

**ACROS 590 Plus**

**EXCLUSIVE PERFORMANCE**

ACROS 590 Plus standard equipment includes header with auto terrain control, which allows to increase harvesting performance by increased operating speed and to reduce field losses. Three modes, automatic transport positioning and programmed contour settings make harvesting process easier. Surface imperfections will be taken care of by electronics.

**TERRAIN CONTROL**

**GRAIN FLATTENING AND BOOSTING**

ACROS 590 Plus feed elevator is notable for a unique engineering solution – booster beater. This enabled the harvester to gain a number of advantages. Booster beater perfectly flattens and boosts grain before it is fed into the threshing drum, whereby the load on the threshing drum is reduced and its capacity is increased. Now, there is no need to convert feed elevator for harvesting cultivated crops, because feed beater has been removed. The machine has undergone a few other changes. Feed elevator was extended by 0.25 m in length, thus ensuring even grain flow into the threshing drum. Moreover, cutterbar coverage has been improved and now it is more easier to remove the header from and to mount it on a transport cart.
ACROS 590 Plus is equipped with a brand new cleaning system. Additional sieve forms second ventilated stage. Powerful two-section fan generates a more intense air flow. Total sieve area equals to 5.2 m². All of the above ensures grain feed into the tank without additional cleaning.

**TWO-STAGE CLEANING**

**Electric sieve setting system is also available as an option for ACROS 590 Plus.** This system controls sieve settings without leaving the workplace. This affords an opportunity to reduce idle time and losses. This option becomes more important under constantly changing harvesting conditions.

**New straw chopper** has an improved operating mode and lays swath on the run. New design changes made it possible to increase chopping quality and distribution width along with eliminating choking-up of straw chaff, in particular of long and tangled buckwheat/rape stems.

**Protection of grain from moisture** New tank design with folds opening lengthwise provides safe and convenient access to the tank. The tank is also equipped with a special apron protecting grain from moisture and blowing as in case of harvesting small-seeded crops.

**Thorough separation under any conditions**
New straw walker of ACROS 590 Plus provides faster separation, especially on damp grain. Oscillation amplitude of walkers was increased, while separation time remains the same due to the decreased oscillation frequency. Walker surface groves are located lengthwise ensuring better grain spillage.

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ACROS 580/560/530

RELIABLE ASSISTANT TO ANY FARM

ACROS is perfect for fields with high and medium yield. Heavy duty threshing and separation system with one large drum (800 mm) and a straw walker is at the heart of the harvester. Outstanding performance is achieved by high output per shift, reliability and well-established after-sales service.

SMART LAUNCH

Smart Launch is a patented device for discrete actuation of the unloading and horizontal augers, thus providing high unloading rate with minimal jamming. Moreover, application of the Smart Launch allows to make partial unloading. But these are not the only advantages of the system. Another one consists in the fact that after being shut down the auger always unloads the remaining grain, allowing therefore no losses during auger’s folding as a lot of other harvesters do. Thus, the Smart Launch increases tank unloading efficiency by making it quick, convenient and less time-consuming.

SAVING TIME ON UNLOADING

Experience has proved that grain unloading takes over 5% of the operating shift. We have decreased this figure by equipping ACROS with a high-performance unloading device (with unloading rate of up to 90 l/sec) and an increased capacity grain tank (9 000 l). Special attention has been paid to operation under conditions of high humidity. Hydropulsers installed on the bottom of the tank make it possible to unload the grain with humidity of up to 35%. Grain level sensors provide excellent control and inform on the optimal time for unloading. Height, length and turning angle of the unloading auger are designed for unimpeded unloading into any transport vehicle, even if it is a long trailer and the harvester is operated with a nine-meter-long header. Drive of the threshing drum may be turned off during unloading for reducing fuel consumption and saving its life.
MAXIMUM PERFORMANCE

Conventional threshing system is considered as the strongest point of ACROS harvesters. Classical single-drum threshing system is reasonably the best combination of high flow capacity and low power consumption. In addition, it is distinguished by minimum grain damage and delicate handle of straw.

MAXIMUM GRAIN, MINIMUM CRUSHING

Cones left after threshing are delivered into an autonomous rethreshing unit, after which the grain is distributed along the whole width of the preparation sieve. Thus, we get a complete cleaning cycle without overloading the sieves. The design is based on a 3-blade rotor providing softer threshing and less crushing as compared with drum rethreshing systems.

ULTIMATE POWER

High performance of ACROS harvesters is ensured by Cummins engines. 280/300 hp turbocharged six-cylinder inline engine is notable not only for its heavy duty, but also for excellent fuel economy. They are simple, serviceable and are distinguished for longer service intervals.

Stone trap. Stone trap installed in the threshing and separation system prevents stones from getting into the threshing drum, thus increasing its life. The trap is cleaned in less than one minute due to its special design.

Two chopping speeds. The chopping drum has two different rates of rotation: 3400 rpm for grain harvesting and 2000 rpm for corn. Underspeed is used for reducing wearing of parts.

Air compressor saves a lot of time spent on daily maintenance, especially while on the field, when there is no service car near. The compressor is standard equipment, because this is the way the company introduces new standards.
VECTOR is the most efficient solution for field with low and medium yield. This harvester is the most sensible choice due to its seasonal output of 500-800 ha (without corn and sunflower), affordable price and fuel saving.

**NEW CLASS. NEW BENCHMARK**

**VECTOR 420/410**

Without stops. Jam Control is a device for full discharge of the concave designed to remove jamming without stopping the threshing drum. The system is activated from inside the cab, which saves time by not wasting it on additional operations.

**Grain flattening.** Normalizing beater installed in the feed elevator provides flattening of grain and together with conveyor’s floating shaft facilitates quick and even movement under conditions when grain is highly weeded. Beater’s shaft is equipped with a safety clutch preventing damage caused by hitting stones.
Control grain tank from the cab. Convertible tank roof allows to increase capacity from 4.5 to 6 m³ or to reduce harvester’s height. The roof is opened from inside the cab. Hydropulsers installed on the bottom of the tank are a distinctive feature of ROSTSELMASH harvesters. The pulsers facilitate unloading of wet grain, thus increasing output per shift.

Straw handling. An important advantage of VECTOR harvesters is that they are the only one in their class who may offer a variety of operations related to straw handling. Straw may not only be chopped but also scattered or windrowed (chopper). 12 000 m³ stacker is an optional equipment for VECTOR harvesters. The stacker provides an opportunity to make stacks and to unload them on the run.
VECTOR 450 Track

FOR THE MOST SEVERE CONDITIONS OF HARVESTING

VECTOR 450 Track is a new grain harvester specially designed for harvesting under severe soil conditions. Their distinctive feature is tracks. Due to large area of bearing surface this harvester is likely to be the only solution for marshy fields of Russian Far East and rice growing regions.

COMFORT AND IDEAL TERRAIN CONTOUR FOLLOWING

VECTOR 450 Track is able to move smoothly with the header staying still and just following terrain contour on account of independent suspension of road wheels and even mass distribution. It is an important factor for high-quality harvesting, especially of low-hanging soybeans. And, of course, the operator will see the true value of comfortable movement.

CONVENIENT CONTROLS

Control of a tracked harvester is not different from control of a wheeled vehicle, same steering wheel and same hydraulic transmission lever.

HIGH-PERFORMANCE ENGINE WITH PREHEAT

Upgraded 255 hp engine is equipped with an air compressor and cold weather starting aid.

CONFIDENT ON THE ROAD

Rubber track implies minimum wear on dry ground and capability to use hard surface roads.
NIVA is the latest modification of the legendary harvester line Niva SK-5M. Excellent correlation of efficiency, affordable price and low maintenance costs. It is an ideal solution for private farmers and small farms. Small size and light weight make this harvester an indispensable machine for efficient work on small complex-contour fields.

**THE MORE SIMPLE, THE MORE RELIABLE**
This concept describes harvester’s design exactly. Everything is aimed at quick mastering, simple control and easy maintenance.

**COMFORTABLE WORKPLACE**
Air-tight cab with enhanced noise insulation, heater, air conditioner and comfortable seat create favourable conditions for every long working day.

**SMOOTH MOVEMENT**
Hydrostatic transmission provides easy control, smooth speed change, pleasant operation and increased maneuverability.

**LOW-CONSUMPTION ENGINE**
Turbocharged six-cylinder MMZ engine with built-in heat exchanger and electric starter is distinguished by exceptional specifications, fuel economy and reliability.
Corn
6-, 8- or 12-row headers with output of up to 6 ha/h are available for corn harvesting. It is worth noting that the header also chops and spreads leaves and stems.

Sunflower
Specially designed 8- and 12-row sunflower headers provide not less than 98% of crop retrieval, which is not possible to attain with other types of adapters. Headers work well with any sorts of sunflower, including dwarf hybrids.

Rice
While harvesting rice high-quality cut of its tangled and hard stems is ensured by the header with double-knife cutterbar and special screen. This simple-to-install kit increases operating speed and eliminates jamming.
**Rape**

In order to increase efficiency on easily injured crops we offer additional equipment. Rape adapter for 5/6/7 m headers allows to reduce field losses by 3-4 times and to harvest additional 30-100 kg of grain from 1 hectare depending on the yield.

**Soybean**

Losses during harvesting of soybean and other vine crops may be reduced by using headers with flexible cutterbar capable of following field contour. Headers are available with width of 6 or 7.6 m. In addition, knives may be also rigidly fixed for harvesting traditional upright crops.

**Pickup platform**

In case of two-phase harvesting pickup headers with width of 3.4 or 4.3 m are mounted on the combines. As well as the header this equipment also follows field contour in longitudinal and transverse directions. Reliable protection of parts and assemblies from jamming, wrapping and blowing of grain ensure stable operation even under adverse conditions.
EQUIPMENT FOR DIFFERENT CROPS

Easily injured crops
While threshing easily damaged cereals and oil crops, it is necessary to maintain low rpm of the threshing drum. Rostselmash grain harvesters also provide for this fact. Offered optional equipment includes a reducer installed in the drum. This device is designed to provide delicate threshing with minimum damaged grain.

Small-seeded crops
During harvesting of legumes and grass seeds it is possible to reduce losses considerably and to increase their purity by mounting special equipment (perforated screen, concave cover, etc.).

Harvesting on moist and marshy soil
For working on hyperhumid soil you will need additional equipment capable of providing the harvester with confident movement even under the most severe conditions. Rostselmash grain machinery may be optionally equipped with front tracks and rear wheel drive.

Rice
TORUM is the leader in rice harvesting. ARS Rotor System designed for harvesting this complex crop is only supplemented with rice kit. Most rice sorts may be harvested with VECTOR and its threshing drum and concave replaced by special bayonet design.

Dwarf and sparse crops
Special kit of detachable header parts is available for efficient harvesting of dwarf and sparse crops.
OPTIONAL EQUIPMENT

Increased grain tank capacity
An increased grain tank capacity allows to reduce time spent on unloading, thus prolonging operating time and increasing efficiency. Optional increased grain tank capacity (12 000 l) enhancing output per shift is also available for TORUM.

Spreading angle adjustment
Optional in-cab electric adjustment of chopper’s divergers is especially useful for harvester’s operation on slopes and in windy weather.

Hitch
Main advantages of the multipurpose hitch with a catcher are quick coupling and decoupling of a transport cart.

Video monitoring
Wide field rear-view camera makes it easier to maneuver, unload and control spreading of crop residue.

Fuel monitoring system
Fuel monitoring system helps to prevent fuel waste and draining along with keeping exact accounts and cost planning.

Lubrication
Centralized lubrication system not only reduces service time by several times, but also increases life of different parts and assemblies.

Printer
Using on-board printer makes it possible to print harvester’s operating parameters and other useful information, for examples, maintenance schedule.

Navigation and autopilot
Satellite navigation autopilot decreases header’s overlap area and operator’s exhaustion.
## Header

<table>
<thead>
<tr>
<th>Feature</th>
<th>TORUM 760</th>
<th>TORUM 740</th>
<th>ACROS 590 Plus</th>
</tr>
</thead>
<tbody>
<tr>
<td>Power Stream Header</td>
<td>●</td>
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<td>●</td>
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<tr>
<td>Width</td>
<td>6.0/7.0/9.0</td>
<td>5.0/6.0/7.0/9.0</td>
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<tr>
<td>Schumacher Cutterbar</td>
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<td>●</td>
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<tr>
<td>Cutterbar drive – Schumacher planetary reducer</td>
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<td>●</td>
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<tr>
<td>Cutterbar drive – crankgear</td>
<td>●</td>
<td>●</td>
<td>●</td>
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<tr>
<td>Automatic synchronization of reel and harvester’s speed</td>
<td>●</td>
<td>●</td>
<td>●</td>
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<tr>
<td>Crop lifters</td>
<td>●</td>
<td>●</td>
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</tr>
<tr>
<td>Transport cart</td>
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## Feeding

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<th>TORUM 760</th>
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<tbody>
<tr>
<td>Feed elevator</td>
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<td>○</td>
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<tr>
<td>Spring-mounted terrain control</td>
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<tr>
<td>Electrohydraulic terrain control</td>
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## Threshing

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<th>TORUM 760</th>
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<th>ACROS 590 Plus</th>
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<tbody>
<tr>
<td>Threshing system</td>
<td>–</td>
<td>1 drum</td>
<td></td>
</tr>
<tr>
<td>Diameter of drum/rotor mm</td>
<td>762</td>
<td>800</td>
<td></td>
</tr>
<tr>
<td>Length of drum/rotor mm</td>
<td>3200</td>
<td>1480</td>
<td></td>
</tr>
<tr>
<td>Coverage of concave / rotor concave degrees</td>
<td>360</td>
<td>130</td>
<td></td>
</tr>
<tr>
<td>Concave total area (threshing and separation rotor) m²</td>
<td>5.40</td>
<td>1.38</td>
<td></td>
</tr>
<tr>
<td>Drum/rotor (with reducer) rotation speed rpm</td>
<td>250–1000</td>
<td>335–1050 (200–450)</td>
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## Separation

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<th>TORUM 760</th>
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<th>ACROS 590 Plus</th>
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</thead>
<tbody>
<tr>
<td>Number of straw walker keys pcs.</td>
<td>–</td>
<td>–</td>
<td>5</td>
</tr>
<tr>
<td>Length of keys mm</td>
<td>–</td>
<td>–</td>
<td>4 200</td>
</tr>
<tr>
<td>Straw walker separation area m²</td>
<td>–</td>
<td>–</td>
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## Cleaning

<table>
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<th>ACROS 590 Plus</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cleaning system</td>
<td>–</td>
<td>3 sieves (2 stages)</td>
<td>3 sieves (2 stages)</td>
</tr>
<tr>
<td>Total area of sieves m²</td>
<td>5.2</td>
<td>5.2</td>
<td></td>
</tr>
<tr>
<td>Electric sieve setting system</td>
<td>○</td>
<td>●</td>
<td>●</td>
</tr>
<tr>
<td>Retreshing system</td>
<td>–</td>
<td>autonomous</td>
<td>autonomous</td>
</tr>
</tbody>
</table>

## Grain tank

<table>
<thead>
<tr>
<th>Feature</th>
<th>TORUM 760</th>
<th>TORUM 740</th>
<th>ACROS 590 Plus</th>
</tr>
</thead>
<tbody>
<tr>
<td>Capacity l</td>
<td>12 000 / 10 500</td>
<td>9 000</td>
<td></td>
</tr>
<tr>
<td>Unloading rate l/sec</td>
<td>105</td>
<td>90</td>
<td></td>
</tr>
<tr>
<td>Unloading height m</td>
<td>5.40</td>
<td>4.30/4.70</td>
<td></td>
</tr>
<tr>
<td>Hydropulsers</td>
<td>●</td>
<td>●</td>
<td>●</td>
</tr>
<tr>
<td>Autonomous unloading (partial, at any unloading auger’s position)</td>
<td>–</td>
<td>●</td>
<td>+ Smart Launch</td>
</tr>
<tr>
<td>Moister-proof tank</td>
<td>–</td>
<td>–</td>
<td>○</td>
</tr>
</tbody>
</table>

## Processing of failings

<table>
<thead>
<tr>
<th>Feature</th>
<th>TORUM 760</th>
<th>TORUM 740</th>
<th>ACROS 590 Plus</th>
</tr>
</thead>
<tbody>
<tr>
<td>Chopping drum rotation speed rpm</td>
<td>1 600 / 3 400</td>
<td>1 800 / 3 400</td>
<td></td>
</tr>
<tr>
<td>Number of knives pcs.</td>
<td>76</td>
<td>76</td>
<td></td>
</tr>
<tr>
<td>In-cab spreading angle adjustment</td>
<td>○</td>
<td>–</td>
<td></td>
</tr>
<tr>
<td>Chaff spreader</td>
<td>–</td>
<td>built in chopper</td>
<td>○</td>
</tr>
<tr>
<td>Stacker</td>
<td>–</td>
<td>–</td>
<td></td>
</tr>
</tbody>
</table>

## Chassis

<table>
<thead>
<tr>
<th>Feature</th>
<th>TORUM 760</th>
<th>TORUM 740</th>
<th>ACROS 590 Plus</th>
</tr>
</thead>
<tbody>
<tr>
<td>Transmission</td>
<td>●</td>
<td>●</td>
<td>●</td>
</tr>
<tr>
<td>Wheelbase mm</td>
<td>3 817</td>
<td>4 000</td>
<td></td>
</tr>
<tr>
<td>Drive wheel track mm</td>
<td>3 120</td>
<td>3 100</td>
<td></td>
</tr>
<tr>
<td>Drive wheel tyres</td>
<td>30.5LR32</td>
<td>30.5LR32</td>
<td></td>
</tr>
<tr>
<td>Steerable wheel tyres</td>
<td>540/70R24</td>
<td>18.24-24</td>
<td></td>
</tr>
<tr>
<td>Interchangeable tracks</td>
<td>–</td>
<td>○</td>
<td>●</td>
</tr>
<tr>
<td>4WD</td>
<td>–</td>
<td>○</td>
<td>●</td>
</tr>
</tbody>
</table>

## Engine

<table>
<thead>
<tr>
<th>Feature</th>
<th>TORUM 760</th>
<th>TORUM 740</th>
<th>ACROS 590 Plus</th>
</tr>
</thead>
<tbody>
<tr>
<td>Make/model</td>
<td>Cummins/QSX</td>
<td>YMZ/7511</td>
<td>Cummins/6LTTAA</td>
</tr>
<tr>
<td>Displacement, number of cylinders, location l</td>
<td>11.9L6</td>
<td>14.86 V8</td>
<td>8.9 L6</td>
</tr>
<tr>
<td>Engine power (2 000 rpm)</td>
<td>360/490</td>
<td>294 / 400</td>
<td>239 / 325</td>
</tr>
<tr>
<td>Fuel tank capacity, l</td>
<td>850</td>
<td>850</td>
<td>540</td>
</tr>
<tr>
<td>Fuel monitoring system</td>
<td>○</td>
<td>●</td>
<td>●</td>
</tr>
<tr>
<td>Air compressor</td>
<td>○</td>
<td>●</td>
<td>●</td>
</tr>
</tbody>
</table>

## Dimensions and weight

<table>
<thead>
<tr>
<th>Feature</th>
<th>TORUM 760</th>
<th>TORUM 740</th>
<th>ACROS 590 Plus</th>
</tr>
</thead>
<tbody>
<tr>
<td>Length/width/height (w/o header, transport position), mm</td>
<td>8931/3677/3950</td>
<td>8850/3880/3940</td>
<td></td>
</tr>
<tr>
<td>Weight (standard, with chopper, w/o header and fuel), kg</td>
<td>16 350</td>
<td>14 330</td>
<td></td>
</tr>
</tbody>
</table>

● standard ○ option – unavailable
<table>
<thead>
<tr>
<th>Specifications</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>TORUM 760</strong></td>
</tr>
<tr>
<td>5.0/6.0/7.0/9.0</td>
</tr>
<tr>
<td>✅</td>
</tr>
<tr>
<td><strong>Power Stream Header</strong></td>
</tr>
<tr>
<td>✅</td>
</tr>
<tr>
<td><strong>Diameter of drum/rotor mm</strong></td>
</tr>
<tr>
<td>762</td>
</tr>
<tr>
<td>800</td>
</tr>
<tr>
<td>1 480</td>
</tr>
<tr>
<td>138</td>
</tr>
<tr>
<td>335–1 050 (200–450)</td>
</tr>
<tr>
<td>✅</td>
</tr>
<tr>
<td><strong>Number of straw walker keys pcs.</strong></td>
</tr>
<tr>
<td>5</td>
</tr>
<tr>
<td>5</td>
</tr>
<tr>
<td>✅</td>
</tr>
<tr>
<td><strong>Chopping drum rotation speed rpm</strong></td>
</tr>
<tr>
<td>1 600 / 3 400</td>
</tr>
<tr>
<td>1 800 / 3 400</td>
</tr>
<tr>
<td>1 800 / 3 400</td>
</tr>
<tr>
<td>✅</td>
</tr>
<tr>
<td><strong>Engine</strong></td>
</tr>
<tr>
<td>✅</td>
</tr>
<tr>
<td><strong>Make/model</strong></td>
</tr>
<tr>
<td>4 000</td>
</tr>
<tr>
<td>3 100</td>
</tr>
<tr>
<td>30.5LR32</td>
</tr>
<tr>
<td>18,4R24</td>
</tr>
<tr>
<td>18,24-24</td>
</tr>
<tr>
<td>28LR26</td>
</tr>
<tr>
<td>6,7 L6</td>
</tr>
<tr>
<td>11 075</td>
</tr>
<tr>
<td>7 400</td>
</tr>
</tbody>
</table>