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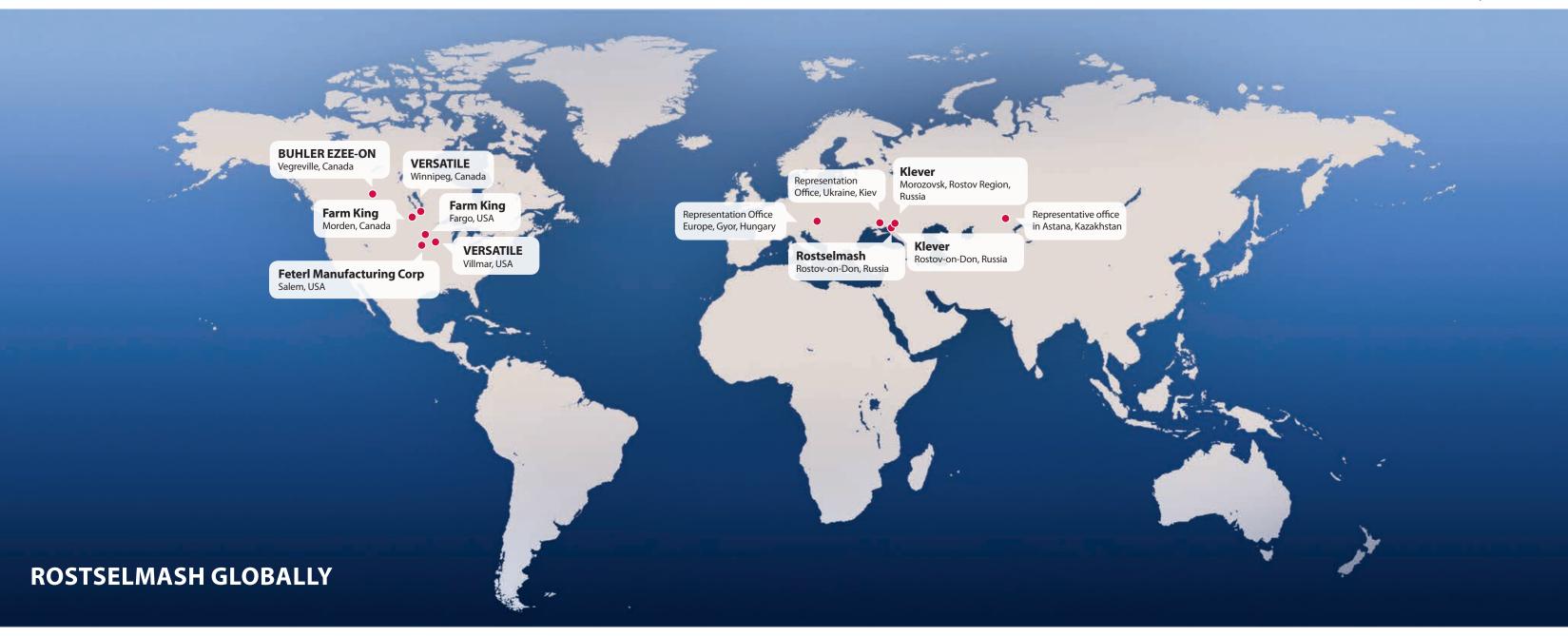






ROSTSELMASH GROUP IS AMONG THE LEADING WORLD PRODUCERS OF AGRICULTURAL MACHINERY

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RUSSIA

Rostov-on-Don Rostselmash

Manufactures Rostselmash grain and forage harvesters, VERSATILE tractors and sprayers.

Rostov-on-Don Klever

Manufactures adapters for combine harvesters, trailed and attached forage harvesting equipment, units for grain storage and processing, municipal machinery and snow clearing equipment.

Morozovsk, Rostov Region,

manufactures adapters for combine harvesters as well as trailed and attached forage harvesting equipment.

CANADA

Winnipeg VERSATILE

Manufactures VERSATILE 190 h.p. to 575 h.p. tractors. Here the central warehouse of VÉRSATILE spare parts is located.

Morden **Farm King**

Manufactures grain handlers, grain-cleaners, snowplows and compact tillage units. The central warehouse of Farm King spare parts.

Vegreville **BUHLER EZEE-ON**

Manufactures tillage and seeding equipment.

USA

Salem Feterl Manufacturing Corp

Manufactures units for grain storage and processing, which are sold under the ROSTSELMASH brand in the Russian market.

Fargo Farm King

Manufactures bales transport trolleys, grader blades, wheel loaders, which are available under the ROSTSELMASH brand in the Russian market.

Villmar **VERSATILE**

Manufacture of trailed and self-propelled sprayers, which are offered under the VERSATILE brand in the global market.

EXPERIENCE. INNOVATIONS. SUCCESS

For many years Rostselmash has been manufacturing agricultural machinery that sells well all around the world. Our expertise is based on extensive experience.

Today, Rostselmash comprises 13 companies located throughout the world, simultaneously aimed at the production of reliable and efficient equipment, capable of being the best assistant at every farm.

To date, Rostselmash can offer 24 types of agricultural and municipal machinery. Each client – from the owner of a small farm to the head of a large agricultural holding – can select the most effective equipment from more than 150 models and versions in our product range.

ABSOLUTE EFFICIENCY FROM ROSTSELMASH

During its many years history, Rostselmash produced over 2,700,000 harvesters. Such experience allows us to offer now the most efficient agricultural machinery for harvesting, regardless of the type of crop and agro-climatic conditions.

Today, Rostselmash comprises 11 facilities in Russia, USA, Canada, Europe, Ukraine and Kazakhstan, which employ 11,000 people.

15 modifications of combine harvesters form 4 series - TORUM, RSM, ACROS, VECTOR. They are all united by one brand Rostselmash, which for decades has been synonymous with quality, reliability and efficiency.

That is why our combine harvesters work in the fields of more than 55 countries.

Year after year, our combine harvesters in different regions and on different continents show the highest results, raising the performance standard of agricultural machinery.

This became possible thanks to the company's innovative policy aimed at the use of modern equipment and technologies, as well as the manufacturing principles of the world industry leaders.

Rostselmash machinery is sold by more than hundred authorized dealerships providing the full pre-sales service of machinery, as well as its after-sales service.

Partnership with Rostselmash provides confidence that you obtain reliable and high-performance combine harvesters that can become indispensable assistants for every farm.





TORUM 780/750

Engine 506/425 hp Rotor Ø 762 mm, length 3 200 mm Concave angle, 360 degrees Cleaning 5.20 m² Tanker 12,000/10,500 l Unloading 105 l/sec



RSM 161

Engine 360 hp Drum Ø 800/750 mm, length 1 630 mm Separation 6 straw walkers, area 6.1 m² Cleaning 7.1 m² Tanker 10,500 I Unloading 115 l/sec



ACROS 595 Plus

Engine 325 hp Drum Ø 800 mm, length 1 480 mm Separation 5 straw walkers, area 6.3 m² Cleaning 5.20 m² Tanker 9,000 l Unloading 90 l/sec



ACROS 585/550

Engine 300/280 hp Drum Ø 800 mm, length 1 480 mm Separation 5 straw walkers, area 6.15 m² Cleaning 4.95 m² Tanker 9,000 l Unloading 90 l/sec



VECTOR 450 Track

Engine 255 hp Drum Ø 800 mm, length 1 180 mm Separation 4 straw walkers, area 5.0 m² Cleaning 3.59 m² Tanker 6,000 l Unloading 50 l/sec Caterpillar drive



VECTOR 410

Engine 210 hp Drum Ø 800 mm, length 1 180 mm Separation 4 straw walkers, area 5.0 m² Cleaning 3.59 m² Tanker 6,000 l Unloading 50 l/sec



Cooling Chamber A cool drink is always very close, at hand. **Audio fittings** Favourite music can help to relieve the busy shift. A mounting seat is provided for a car-stereo. The sound system and an aerial are included in the basic package of the cab. **Healthy Microclimate** With the climate system, numerous air vents and a sun screen one can easily create a favourable microclimate. **ADVISER III Display** A colour touch display (10") not only ensures control of the process of threshing and state of functional systems, but is also used to make settings of the machine. **Large Panoramic Glass Comfortable Chair** A considerable glass area (more than 5m2) and panoramic glasses guarantee free all-around

16-Function Manipulator

The handle on the Hydrostatic Power Transmission lever is a key element of the combine harvester control.

Adjustable Steering Column

A steering column with a double bend and adjustable height allows to set the working place as needed.

The spring-mounted chair with 5 settings allows choosing a comfortable operating position and fully focusing on harvesting.

Armrest

The right armrest is equipped with a built-in console with all the essential functions of operation control.

Improved noise and vibration insulation, fully updated controls, stylish interior and high quality materials - Comfort Cab II offers a new level of comfort in the workplace!

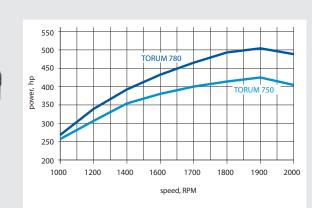




NEW ECONOMICAL ENGINES

TORUM is equipped with two options of economical MTU engines - 425 and 506 hp six-cylinder in-line OM 460 LA series. These engines have excellent performance by specific fuel consumption and torque reserve. The air cleaning system uses air intake mesh with forced rotation (from the hydraulic motor), which significantly reduces the complexity of maintenance.



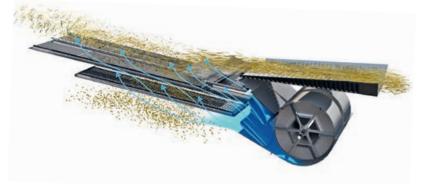


ADVANCED BEATER FEEDER

The uniqueness of the feeder is that the traditional chain-and-slat transporter is replaced by three feed beaters with special elements. This would greatly improve the stability of the process and, as a consequence, increase the performance of the combine harvester. Beaters of the feeder spread

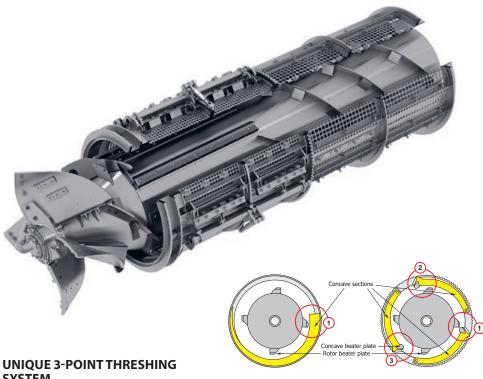
and accelerate the mass in front of the rotor ensuring a stable process. Studies showed that, as compared with conventional slatted conveyors beaters increase the capacity of the feeder by 20%, while the power consumption is reduced by 15%. This scheme is especially effective when working on uneven rolls, with high humidity and debris population of the mass, with rice and other harsh conditions.





MAXIMUM CLEAN

The two-section cleaning system with work area of 5.2 m² is in line with outstanding features of the rotor. The system is well-balanced: the agitator board and the lower screen move in one direction, and the massive part of the upper screen - in the opposite direction. The powerful two-section fan with the hydraulic drive generates uniform air flow through the fan mesh and prevents dead zones emergence, as air intake is produced not only out of ends, but out of the middle, too. Thus, it secures the really clean grain.



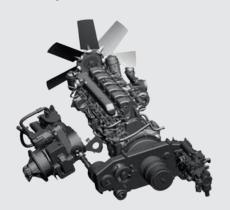
SYSTEM

The concave has three threshing sections allowing to set a threshing gap in one section. Thanks to this the mass is threshed three times with one round of the rotor unlike the single threshing in conventional rotor units.



ROTATING CONCAVE

Rotation of the concave provides its self-cleaning, quarantees no «dead» zones in the gap, prevents mass stoppage and clogging of the rotor. In addition, energy consumption during the threshing process is reduced by 8-10%.



INFINITELY VARIABLE ROTOR SPEED

The rotor is driven by the planetary CVT with hydraulic control - a unique hydromechanical device, which combines the advantages of both types of drives: smooth and accurate speed control, high bearing force and reliable beltless transmission.



FASTER, HIGHER, MORE

Clean grain goes into the tanker with capacity of 10,500 liter (TORUM 780 - 12,000 liters). Such capacity increases performance efficiency by reducing unload cycles. The unloading rate is 105 l/sec, the entire tanker is discharged within 2 minutes. The unloader auger has sufficient dimensions to fit any vehicle. The convertible roof, fill level sensors, hydropulsators and other features provide additional convenience and increase operation efficiency.



Up to the last grain: Before getting into the shredder, the straw mass undergoes a final separation through the drum with the grate-type concave installed at the rotor output.



Shredder with integrated chaff spreader. Through combining chaff and straw flows uniform spreading of the shredded mass across the field is achieved.



High quality of straw.

The separating part of the rotor has the auger-type winding. Due to this, TORUM unlike conventional rotary combine harvesters treats straw more or less delicately.



POWERFUL AND FUEL-EFFICIENT CUMMINS ENGINE - 360-380 H.P.

RSM 161 is equipped with powerful and fuelefficient 6-cylinder engine Cummins QSL8.9, L6, 380–380 h. p., St-IIIA (Tier VIf). A large torque reserve (25%), simple design, low maintenance costs coupled with high fuel efficiency.



CABINE LUXURY CAB WITH INFORMATION SYSTEM ADVISER III

RSM 161 harvesters are provided with the new cabin Luxury Cab. As soon as you get inside you will feel how comfortable the operator station can be, and you will be pleased with the comfort that really adds to performance efficiency, less strain and fatique. The Adviser III voice information system continuously monitors the threshing process and the functioning of harvester mechanisms, and allows to monitor the process stability and prevent the failure of units.





HIGH-CAPACITY FEEDERHOUSE

A new gen feeder house with an accelerating output beater features a single hydraulic coupling, adjustable angle for higher performance and ease of harvesting of any crops without making any modifications, with quick adapters connections (headers of 4500 kg mass).





OPTIFLOW EFFICIENT CLEANING SYSTEM

For material cleaning, an OptiFlow double cascade cleaning system is used, which features a proprietary suspension for sieves with an area of 7.1sq.m. A powerful optimized air flow, large drop height and precleaner tine grid significantly improve cleaning performance. The chaffer uses the 'wave' sieve technology - fishbacks are of different sizes. This proprietary solution ensures a more uniform distribution of the air flow and prevents sticking of highly bearded heads in the sieves. The cleaning system utilizes double flow turbofan with electrically controlled louvers; fan speed is controlled from the cab and displayed on the control panel. Cleaning of sieves and components is easy, the sieves can be guickly adjusted by the operator from the cab.



STRAW WALKERS WITH LARGE SEPARATION AREA

6 efficient walkers providing an overall area of 6.1 sq.m and autonomous rethreshing unit will see to it that crops are harvested with minimal loss. The shaking amplitude of sections is designed to ensure the maximum degree of separation of grain from





FAST UNLOADING

Large-capacity grain tank with advanced scheme of unloading into vehicles with side height over 4 m, and with the vibration agitators. Tank volume of 10.500 L allows to increase performance efficiency by reducing unload cycles. Unload rate is 115 L/sec, it takes 2 minutes to empty a full tank. The grain can be easily unloaded into any trucks and trailers, while using a header with a width up to 12 m, when harvesting rice unloading can be done without leaving the bay. For fuel efficiency, the thresher drive can be disengaged.

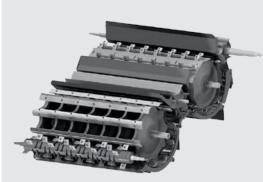
STRAW CHOPPER/SPREADER

2-speed chopper/spreader improves the feeding of straw to swath. It can effectively handle grain and tilled crops, with activation from the cab. A large number of knives and counter knives ensure high quality chopping. Adjustment of straw spreading width from the cab possible (optional). Standard version of the harvester is equipped with chaff spreader.



TETRA PROCESSOR THRESHING SYSTEM

The Tetra Processor system features a flexible deck with automated electronic control of the gaps along whole length. Huge area of threshing and separation of 3.3 sq. km (in total 9.4 sq. km) provides intensive separation process with minimum damage to grains and straw, even in the most complicated soil conditions. The Tetra Processor threshing system is built using the drum of 800 mm diameter, providing stable and delicate threshing without losses. 750 mm diameter separator facilitates transfer of the grain mass along smooth pathway. 1 650 mm of width allows for a combine capacity of 45 tons per hour.



ACROS 595 Plus

SPECIAL OPPORTUNITIES

Over the years, ACROS harvesters proved to be efficient and able to show truly phenomenal results. What could be improved in these on behaviour of the combine harvester in tough conditions for all 1-drum combine harvesters. with high yields, humidity and straw availability.





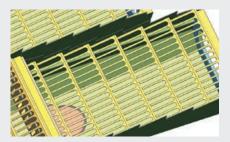
FOLLOWING THE FIELD RELIEF

The ACROS 595 Plus basic package includes automatic system of soil relief following, which improves the harvesting efficiency due to increase of the working rate and reduce losses behind the header. Three modes of operation, automatic transition of the adapter into the transport position and programmable gauging presets simplify the harvesting process. Electronics will take care of the challenging relief.

SPREAD AND ACCELERATE THE GRAIN MASS

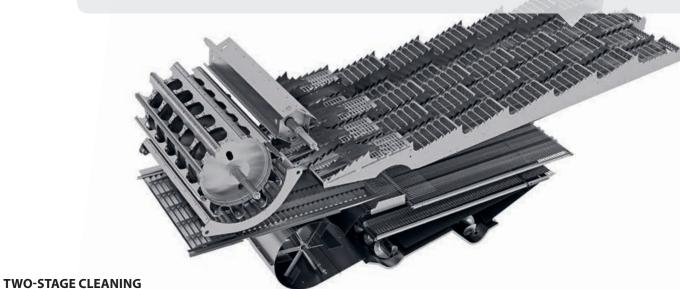
Accelerating beater is installed in the feeder house of ACROS 595 Plus. Due to this, the combine harvester obtained some operational advantages. The accelerating beater perfectly spreads and accelerates the grain mass before feeding it into the threshing drum, thereby reducing the load on the thresher and increasing its capacity. With the absence of the receiving beater there is no need to convert the feeder for harvesting tilled crops.





CAREFUL SEPARATION IN ANY CONDITIONS

The new ACROS 595 Plus straw walker provides more intensive separation process, especially in high humidity conditions. The area of separation increased due to longer racks. The rack grooves are cut lengthwise to guarantee better grain spillage.



ACROS 595 Plus received an absolutely new cleaning system. An additional screen forms a second ventilated stage, a high-performing 2-section fan produces a more powerful air flow, the total screen area reaches 5.2 m2. All this guarantees feeding of grain that does not require additional cleaning to the tanker.



UNIFORM CHAFF SPREADING ACROSS THE FIELD

A chaff spreader can be additionally mounted on ACROS 595 Plus. It provides the uniform chaff spread across the header width, which is a required condition for subsequent plowless tillage. The chaff spreader rotor speed can be controlled both from the cab and from the outside, and the hydraulic drive does not require any additional settings and adjustments.



Electrical adjustment of the screens

allows making all cleaning settings quickly and conveniently without leaving the workplace. This makes it possible to reduce ineffective working time and losses. This option becomes particularly important in changing harvesting conditions.



The new shredder of straw works under the improved scheme "laying the swath along the movement direction". The new changes to the design have improved the shredding level and spreading width, as well as eliminated the risk of arching of the heap of straw, in particular, long and tangled stalks of buckwheat or rape.



Protection of grain against moisture

The new tanker design with door opening lengthwise made access to the tanker for maintenance more convenient and safer. The design provides for a special apron that will reliably protect the grain from moisture ingress and blowing away in the case of small-seeded crops harvesting.





SAVING TIME FOR UNLOADING

As practice shows, at least 5% of the working shift is spent on the unloading of grain. In order to reduce this time ACROS uses a high-performing unloading device (unloading rate up to 90 l/ sec.) and a high-capacity tanker (9,000 liters). Particular attention is paid to work in high humidity conditions. Hydropulsators installed at the bottom of the tanker allow unloading grain with humidity up to 35%. Level sensor will provide unprecedented control and «advise» optimal unloading time. Height, length and turning angle of the unloading auger are designed to perform seamless uploading to any freight vehicle, even if it is a long trailer, and the combine harvester is equipped with a header of 9 meters wide. A possibility to switch off the thresher engine during unloading reduces fuel consumption and saves the thresher life.

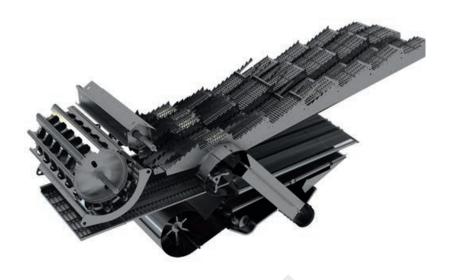
SMART LAUNCH

Smart Launch is a patented device of independent consecutive start of the unloading and horizontal augers. Such device easily guarantees high-speed unloading with minimum risk of clogging. In addition, thanks to Smart Launch the combine harvester allows unloading by portions. And these are far from all useful features of the system. Another one is that when you turn off the unloading auger it is always freed from the remnants of grain to avoid the loss of grain during the auger folding, which is quite typical of many other combine harvesters. Thus, Smart Launch increases the efficiency of clearing the tanker making the process quick, convenient and less labour consuming.



MAXIMUM PERFORMANCE

Traditional threshing system implemented in the combine harvester is rightfully considered as ACROS's strength. A classic single-drum thresher is objectively the best combination of high capacity and low power consumption. In addition, it features the minimum risk of grain damage and delicate handling of straw.



MAXIMUM AMOUNT OF GRAIN, MINIMUM AMOUNT OF CRUSHED GRAIN

Spikes left after threshing are supplied to the standalone final threshing device, then the recovered grain is distributed over the entire width of the agitator board. Through this the complete cleaning cycle is achieved with no risk to overload the screens. The device features a 3-blade rotor, which as compared to final threshing devices guarantees more smooth threshing and reduces crushing.



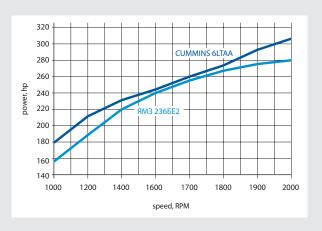
NEW SCREENS

The updated design of the screens features the increased cleaning area up to 4,95 sq.m. Besides, the upper and lower screens are separated into left and right sections for maintenance convenience.



OPTIMAL POWER

The new power of ACROS is provided by YaMZ (280 h.p.) and Cummins (300 h.p.) engines. They are simple and easy to maintain, and have long between maintenance periods.





The new **extended feeder** has several advantages: a better view of the cutting device, more simple operation for harvesting tilled crops due to the absence of the receiving beater, and a possibility to work with wide angle adapters (for example, conveyor header Draper Stream 900).



Two shredding speeds. The shredding drum has two rotating speeds: 3 400 RPM for grain harvesting, and about 2 000 RPM for corn. A lower speed is introduced to reduce the wear of the shredder parts.



The air compressor saves a lot of time for monthly maintenance, especially in the field, when the technical support car is not available. The compressor is included in the basic package as Rostselmash introduces new industry standards.





single-drum scheme is simplicity

in dealing with challenging

grains.

The new extended feeder

has several advantages: a better view of the cutting device, more simple operation for harvesting tilled crops due to the absence of the receiving beater, and a possibility to work with wide angle adapters (special design of the harvester allows to work with adapters of 3 000 kg in weight, for instance - with conveyor header Draper Stream 900).

The air compressor is included into standard version. Thus, harvester's independence of maintenance machine is guaranteed, at that increasing shift capacity by more than 10%.





Non-stop. The Jam Control deep drop device will help to eliminate jamming without stopping the threshing drum. Control from the cab helps to save the working time, without spending it on redundant operations.



Control the tanker from the cab. The convertible roof of the tanker, if necessary, allows increasing its volume from 4.5 m3 to 6 m3 or decrease vertical dimensions of the combine harvester. The electrical opening mechanism is controlled from the cab. The tanker is equipped with hydropulsators installed on the bottom a distinguishing feature of Rostselmash combine harvesters. Thanks to them, the combine harvester easily copes with unloading of wet grain, which leads to increase in output per shift.



Flexible straw handling. An important advantage of the VECTOR combine harvester is that only it in its class can offer such a variety of schemes of work with the non-grain part of the harvest. Straw cannot only be shredded, spread or put to the crushing barrel (crusher). A 12m3 stacker comes as an option for VECTOR. It can gather straw in stacks unloading them automatically.



COMFORT AND IDEAL FOLLOWING THE FIELD RELIEF

Through the use in the caterpillar truck of independent suspension rollers and uniform weight distribution, VECTOR 450 Track moves smoothly across the field, the header remains practically stationary and only follows the field relief. This is an important condition of complete harvesting, especially low hanging soy beans. And, of course, the operator will fully enjoy the highly comfortable driving.

COMFORT DRIVING

Driving the combine harvester does not differ from driving a wheeled vehicle, it has the usual steering wheel and hydraulic transmission lever.



POWERFUL ENGINE WITH PRE-HEATING

The high-power 255 h.p. engine is equipped with the air compressor and pre-heating starting device.

CONFIDENT ROAD MOVEMENT

The use of steel cord crawler belts means minimal wear when working in dry conditions and a possibility of comfortable movement on paved roads.









D:

For corn harvesting for grain, 6-, 8- or 12-row headers that are used to guarantee performance up to 6 ha/h. It should be noted that this device crushes and scatters leafy mass on the field.

When harvesting rice, a quality cut of its tangled and stiff stalks is achieved by a rackless header with a double cutter and a special visor on the table. This set which is easy to install will increase the working speed and lower the risk of jamming the header.



Sunflower

Maize

Specially designed for sunflower harvesting 8- and 12-row headers ensure complete harvesting of at least 99%, which is not achievable with other types of devices. Headers reliably operate in any agricultural environment, including low height sunflower hybrids.



Rape

When harvesting easy-to-damage crops, optional equipment is offered in order to provide maximum efficiency. Rape harvesting attachment for headers for 5/6/7/9 m will reduce losses during cutting by 3 - 4 times and additionally collect, depending on the crop yield, 30 - 100 kg of grain from 1 ha of crops.



Grain and oil-bearing crops

Increasing productivity by 10-15%, especially during harvesting of undersized, low-yield and oil-bearing crops can be achieved through the use of draper headers (in two versions - for harvesting grain and oil-bearing crops).



Soybean

Losses during harvesting of soy beans and other crawling crops decline sharply, if we use the header with a flexible cutterbar capable of following the field microrelief. The header coverage is from 5 to 9 m. Rigid fixing of the knife is provided for harvesting traditional upright standing crops.



Swath pick up

During separate harvesting the combine harvesters are equipped with the platform 3.4 or 4.3 m wide. As the header, this device can follow the field relief in the longitudinal and transverse directions. Reliable protection of the crop collector elements from jamming, wrapping and blowing away of the mass by the wind ensures its stable operation even in adverse conditions.

EQUIPMENT FOR HARVESTING VARIOUS CROPS

Threshing cereals and oilseeds, which grains are easily damaged, it is necessary to work

harvesters. The list of the optional equipment for machinery includes reduction gearbox

with a low speed of the threshing unit. This is also provided for in Rostselmash grain

built-in in the drum. This device is designed to guarantee delicate threshing with a



minimum percentage of damaged grain.

Easy-to-Damage Crops





Small-seeded crops

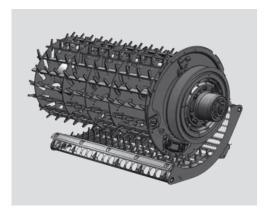
When harvesting the seed plots of beans and grasses, losses can be significantly reduced and the seed purity can be increased, if the combine harvester will be equipped with a special device («punch» screens, concave strip, etcl.).





Harvesting on damp and marshy soils

Working in the fields with waterlogged soil will require additional equipment that can ensure the combine harvester steady movement even in the toughest conditions. Rostselmash harvesting equipment instead of wheels on the front axle uses semitracks, in addition to this, steered rear wheels can be equipped with the drive.







Undersized and thinned out crops

A special set of header spare parts is offered for efficient harvesting of undersized and thinned out crops.

OPTIONAL EQUIPMENT





The precision farming is based on the principle of knowing one's field to the smallest Shows the level of mass going for final spike. Implementation of resource saving technologies is impossible without crop yield and humidity mapping system.



System of control of grain return for rethreshing

threshing. Helps to correctly set the threshing and separating device for efficient operation.



Navigation and auto-piloting

The use of satellite system of auto-piloting reduces the header overlap zone and reduces an operator's fatique.



Towing attachment

The main advantages of a universal towing attachment with the catcher is quick assembly and disassembly of the cart.



Video System

The wide-angle camera will facilitate manoeuvring, unloading and control of spreading crushed residue.



Fuel consumption monitoring system

The fuel flow monitoring system helps to prevent overspending and fuel drain, and to keep accurate accounting and cost planning.



Lubrication system

The centralized lubrication system will not only reduce maintenance time by several times, but will also increase the life of critical assemblies.



Printer

With the onboard printer you can print out performance indicators of the combine harvester and other useful information, such as the maintenance schedule.



Spreading angle adjustment

Included in the optional equipment list, the shredder deflector electrical adjustment immediately from the cabin is particularly useful during the combine harvester operation on slopes or during windy weather.



TORUM - the leader in rice harvesting. The ARS rotor system, designed for harvesting this challenging crop, is only supplemented by elements from the «rice» kit. Many varieties of rice can be harvested by the VECTOR combine harvester, in which the standard threshing drum and the concave are replaced with special pinned ones.

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		TORUM 780	TORUM 750	RSM 161	ACROS 595 Plus	ACROS 585	ACROS 550	VECTOR 450 Track	VECTOR 410	
Header unit										
OWER STREAM Header	_	•		•			•		•	
Header coverage	-	6,0/7,0/9,0		7,0/9,0	7,0/9,0 5,0/6,0/7,0/9,0		7,0/9,0	5,0/6,0/7,0/9,0		
utting unit drive based on planetary gear reducer	-	•			•	•	•		•	
utomatic synchronisation of the reel rotation speed and a combine harvester speed	_	•		•		•		•		
rop lifters	-	0		0		0		0		
ailer	-	0			0	C		0		
eeding										
eeder type	_	beate	rs	conveyor and	acceleration beater	conv	eyor	conve	yor	
elief copying spring system	_	-		-		•		•		
elief copying electrical and hydraulic system	-	•		•		-		-		
ngle hydraulic connector (multi-coupler)	_	•			•	•)	•		
hreshing										
nresher type	-	rotary with rotat	ing concave	2 of drum	1 of drum	1 of d	drum	1 of dr	um	
rum/rotor diameter	mm	762		800/750	800	80	00	800)	
rum/rotor length	mm	3 200		1 630	1 480	1 4	80	1 180		
oncave/ rotor concave coverage	deg	360		124	130	13	30	130		
verall concave area (threshing and separating part of rotor)	m ²	5,40		3,3	1,38	1,3		1,1		
rum/rotor speed (with reduction gearbox)	RPM	250–1 000		300–920	335–1 050 (200–450)	335–1 050 (200–450)			335–1 050 (200–450)	
m Control module	-	-		333 1 030 (200 430)		555-1 656 (260-456)		333 1 636 (266 136)		
eparation										
umber of the straw-walker racks	pcs	_		6	5	5		4		
ength of the straw-walker racks	mm			3 500	4 100					
engtn of the straw-walker racks craw-walker separation area	mm m²	-		6,1	6,3	4 100 6,15		4 100 5,0		
	m-			6,1	0,3	6,1	15	5,0		
eaning shoe		2 /2	-4	2	(2 -t)	2		2		
eaning system type	-	3-screen (2 stages)		3-screen (2 stages)		2-screen, sectional		2-screen		
verall area of screens	m ²	5,2		7,1 5,2		4,95		3,59		
-cab electrical adjustment of sieves	-	•		•		-				
nal threshing device	-	stand al	one	star	nd alone	stand	alone	stand a	lone	
rain tank										
nker capacity	liters	12 000	10 500	10 500	9 000	9 0	00	6 00	0	
ischarge rate	L/sec	105		115	90	90	0	50		
ischarge height	m	5,4	5,2	5,05	4,3/4,7	4,3/	4,7	3,48	3,48	
ydropulsators		•		•	•	•)	•		
dependent discharge (by portions, in any position of the unloading auger)		+		+	+ Smart Launch	+ Smart	Launch	_		
/aterproof tanker		_		-	•	•	_	_		
rocessing of the non-grain part of the harvest										
nredding drum speed	RPM	1 600 / 3	400	1 900 / 3 400	1 800 / 3 400	1 800 /	′ 3 400	2 90	0	
umber of knives	pcs	76		64	76	76		60		
pread angle adjustment from the cab	Pes	•	0	0			-	_		
haff spreader		built-in in the shredder		•		_		_		
arvester stacker		built in in the sineader		_		_			O 12,0 m³	
ab									○ 12,0111	
uxury Cab with the system Adviser III				•						
								-		
ckage Comfort Cab with Adviser II system				_			•	•		
ckage Comfort Cab II with Adviser III system		•		-	•	•	_	_		
utomatic driving system		0		0	0		0 0			
eld and moisture mapping system		0		0	0	0 0				
nloading zone video monitoring system and back monitor		0		0	_	_		_		
utomatic centralised lubrication system	-	0		0	0	C		0		
ndercarriage										
ansmission		hydros		hydrostat.	hydrostat.	hydro		hydrostat.(2)	hydrostat.	
'heelbase	mm	3 817	7	3 800	4 000	4 0		4 100	3 778	
rive wheels track	mm	3 120)	2 900	3 100	3 1	00	3 200	2 845	
iving wheel tyre type		900/60R32	30.5LR32	30),5LR32	30,5L	_R32		28LR26	
eering wheel tyre type		500/70R24 540/70R24		18,4R24		18,4R24		Caterpillar mounting,	18,4R24	
emovable half-tracks		0		0	_			flexible centerpoint suspension	0	
l-wheel drive		0		0	_	_		suspension	0	
ngine										
anufacturer/grade		MTU/OM ²	460LA	Cummins/QSL8.9	Cummins/6LTAA	Cummins/6LTAA	YaMZ/236BE2	YaMZ/236BK	YaMZ/236N	
rgine capacity, no of cylinders, arrangement	liters	12,821 /		8,9 L6	8,9 L6	8,9 L6	11,0 V6	11,0 V6	11,0 V6	
ower	kW/h.p.	372 / 506	313 / 425	279 (360–380)	239 / 325	221 / 300	206 / 280	188 / 255	154 / 210	
iel tank capacity	liters	850		1 050	540	54		540	540	
uel consumption monitoring system		•		•	<u> </u>	-	0	0	0	
						•			0	
		•		•	•	•				
verall dimensions and weight							-			
ir compressor verall dimensions and weight ength/width/height (without header, in transportation position) (eight (standard model with shredder, without header and fuel)	mm	8 931/3 677 16 35		9 250/3 675/3 940 16 500	8 850/3 880/3 940 14 330	8 846/3 8 13 4	80/3 940	7 940/3 900/4 000 16 600	8 557/3 560/4 (11 390	