Combine Harvester RSM 161

RSM 161 Specification

Headers	
Power Stream[1] Grain Header, m	7/9
Float Stream header with flexible cutterbar, m	7/9
Swa Pick 432 Windrow pickup, m	4.3
Corn headers, rows	8/12
Sunflower headers, rows	8/12
Reel-to-ground speed synchronisation system	●
Electrohydraulic contour following system	●
Hydraulic multicoupler	●
Crop lifters	○
Header trailer	○
Autohitch for cart	●
Feeder house	
Type	chain-and-slat, with accelerator
Stone trap	●
Electrohydraulic height-sensing system	●
Thresher	
Thresher width, mm	1,650
TETRA Processor[2] threshing system	●
Threshing drum/separator diameter, mm	800/750
Threshing drum speed, RPM	300-920
TETRA Processor threshing & separation area, sq.m	3.3
Number of straw walkers	6
Straw walkers separation area, sq.m	6.1
Cleaning shoe	
Sieve area, sq.m	7.1
Turbo fan speed, RPM	300-1,200
Electrical adjustment of sieve clearances from the cab	●
Autonomous rethreshing unit	●
Automatic centralized lubrication system	○

Grain tank with unloader	
Tank capacity, L	10,500
Unload rate, L/s	115
Unload height, mm	5,050
Hydropulsators (vibration agitators for wet grain unloading)	●
Crop residue management	
Spread angle adjustment from the cab	○
Chaff spreader	●
Cab	
Luxury Cab[3] configuration	●
Adviser III[4] information system	●
Air suspension operator's seat	●
Electrically adjusted and heated mirrors	●
Automatic driving system	○
Running gear	
Transmission	hydrostatic
Drivetrain	3 speed
Drive wheels tyre size	800/70R32; 680/85R32; 900/60R32; 1050/50R32
Driven wheels tyre size	18,4 R24; 500/70/R24; 500/85/R24; 600/65R28
Engine	
Manufacturer/model/exhaust rating	Cummins/QSL 9/ Stage IV (Tier 4 Final)
Power maximum, h.p. (kW)	380 (279)
Fuel tank capacity, L	1,050
Fuel consumption monitoring system	●
Air compressor	●
Overall dimensions	
Length/width/height (transport, without header), mm	9,890/3,500 (with 680/85 R32 tyres)/ max 4,000
Weight (w/o header and fuel), kg	17,800 ± 550

● – standard, ○ – option

[1] **Power Stream** — universal grain header with an extended table, hydraulic-drive reel, header reverser control from the cab, synchronization of reel speed with ground speed.

[2] **TETRA Processor** — threshing system consisting of a threshing drums and separation cylinders - overshot and rear/separation boosters with a proprietary concave adjustment system.

[3] **Luxury Cab** — suspended pressurized two-seat cab with audio fittings, enhanced noise insulation, c/w climate control, coolbox, file drawer, the operator's chair with integrated control panel.

[4] **Adviser III** — information system c/w 10" color touchscreen LCD, situational framing.

ROSTSELMASH reserves the right to improve individual characteristics without prior notice.

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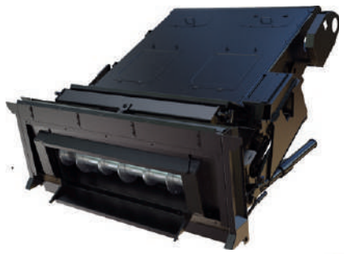
1. Power Stream Header

The Power Stream ensures a higher performance by reducing loss and optimizing the material feeding. The use of this header in combination with the original cutting unit (driven by a planetary gear reducer) minimizes shattering losses and ensures consistent uniform feeding whatever harvesting conditions will be. The reel is hydraulically driven, featuring synchronizing automatic adjustment of the reel speed to match the ground speed.

2. High-capacity feeder house

A new generation feeder house with an accelerating output booster, feature single hydraulic multi-coupler, adjustable angle for higher performance and ease of harvesting of any crops without making any modifications, with quick connection of adapters (headers up to 4 500 kg).

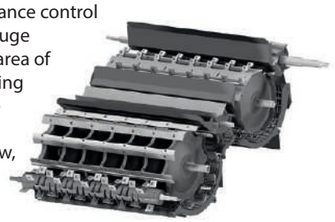


6. Quick unloading

A large-capacity grain tank with improved unloading into a truck with sides higher than 4 meters, with hydropulsators (vibration agitators). Tank capacity is 10 500 litre, this capacity increases performance efficiency by reducing unload cycles. Unload rate is 115 L/sec, it takes 2 minutes to empty a full tank. Grain can be easily unloaded into any type of trucks and trailers, while using a header with a width up to 12 m. For fuel efficiency, the thresher drive can be disengaged.

3. TETRA Processor threshing system

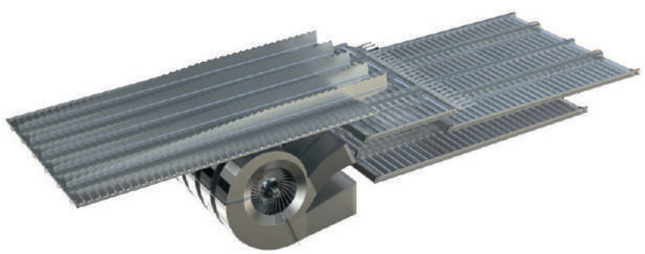
The Tetra Processor system features a flexible concave with automatic electronic clearance control over the entire length. A huge threshing and separation area of 3.3 sq. m. (in total amounting to 9.4 sq. m.) ensure active separation with minimum damage to grains and straw, including in the most complex field conditions.



The Tetra Processor threshing system is built on one dia. 800 mm drum, which ensure consistent and gentle threshing without loss. Dia. 750 mm separator booster facilitate a smother crop flow. 1 650 mm of width allows for a combine capacity of 40 tons per hour.

7. Luxury Cab featuring Adviser III system

RSM 161 combines are provided with the new 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 fatigue. The Adviser III voice information system continuously monitors the threshing performance and functioning of combine mechanisms for process stability control and avoidance of components failures.

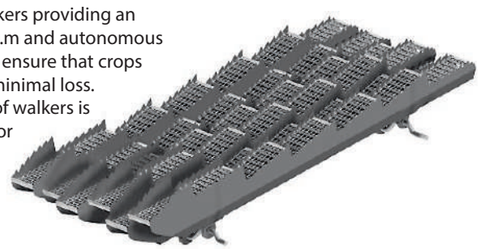


4. OptiFlow efficient cleaning system

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

5. Straw walkers with large separation area

6 efficient straw walkers providing an overall area of 6.1 sq.m and autonomous rethreshing unit will ensure that crops are harvested with minimal loss. Shaking amplitude of walkers is selected especially for getting maximized recovery of grains from the straw mat.



9. Chopper/spreader

2-speed chopper/spreader improves the feeding of straw to windrow. 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. Straw spreading width can be controlled from the cab (option). Basis configuration includes chaff spreader.

8. High-power and fuel-efficient Cummins 380 h.p. engine

RSM 161 features a high-power and fuel-efficient 6-cylinder Cummins QSL 9, L6, 380 h.p., Stage IV engine. A large torque reserve (25%), simple design, low maintenance costs are coupled with high fuel efficiency.