### Specifications

**Forage Harvester RSM F 1300**

**Engine**
- Manufacturer/model: Cummins
- Engine type: L9 (SIV)
- Rated power, h.p. (kW): 430 (321)
- Fuel tank capacity, litres: 750
- AdBlue tank capacity, litres: 57
- Air compressor:  

**Feeding system**
- Width, mm: 680
- Number of rolls: 4
- Feed roll drive: mechanical
- Reverse: hydraulic
- Length of cut adjustment: stepped
- 48-knife chopping length range, mm: 4 / 7 / 10 / 17
- Metal and stone detector with autostart:

**Feeding roll frame opening**
- V-shaped or gate-like

**Longitudinal/transverse ground contour following mechanism:**

**Header attachment system**
- Quick mounting and fixing device
- Header drive: mechanical

**Cutterhead**
- Diameter/width, mm: 630 / 763
- Number of knives (standard), pcs.: 48
- Rotation speed, rpm: 1,200
- Semi-automatic knife sharpening system controlled from the cab:
- Automatic shearing bar adjustment controlled from the cab:
- Automatic cutterhead bed clearance adjustment:
- Set of corn knives:

**Kernel processor**
- Type: Removable, roller
- Tooth profile: Sawtooth
- Roller diameter, mm: 190
- Rotation speed, °: 20

**Unloading system**
- Crop accelerator diameter, mm: 540
- Rotor speed, rpm: 2,400
- Spout swing angle, degrees: 226
- Anti-collision device:
- Spout extension sections:
- Spout section, mm: 720

**Versatile inoculant dosing system**
- Tank for concentrated inoculant, litres: 20 (2 х 10)
- Tank for diluted inoculant, litres: 390

**Truck filling and rear view video monitoring system:**

**Automatic lubrication system:**

**Remote monitoring:**

**Chassis**
- Transmission: hydrostatic
- Gearbox control method: mechanical
- Park brake control method: mechanical
- Travelling speed, km/h: 25
- Front tyres, standard: 605/65R26
- Front tyres, option: 750/65R26
- Rear tyres, standard: 18.4 – 24
- Rear axle drive:
- Drawbar hitch with autolock:

**Cab**
- Comfort Cab
- Air-conditioning, heater:
- Sun blind:
- Beverage cooler:
- Adviser II information system:

**Overall dimensions (w/o header)**
- Length/width/height, mm: 6,860 / 3,227 / 3,866

**Headers**
- Corn header, m (rows): 4.5 (6)
- Grass header, m: 5
- Pickup, m: 3 / 4

* standard  ○ option

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1. Comfort Cab is a spring-mounted airtight two-seat cab with improved noise insulation, air conditioner, heater, refrigerator and audio system ready.

2. Adviser II Information system with LCD and voice announcement.

ROSTSELMASH reserves the right to improve individual machine characteristics without prior notice to the market.
MODERN ERGONOMIC COMFORT CAB

The ergonomic workplace provides the operator with a high level of comfort. The adjustable seat and steering column ensure the best posture. Controls are located in the direct access area to the right of the seat on the armrest and joystick.

- The Adviser II information system provides the required information on the combine’s performance, allowing to monitor process stability and optimum operation of the main assemblies;
- The basic package includes air-conditioning, beverage cooler, and audio fittings;
- Panoramic glazing provides for excellent field of vision.

ENGINE

Cummins L9 (St V) 430 hp turbocharged diesel engine.
- Wide use of these engines and their modifications guarantees simple and affordable maintenance;
- The transverse engine arrangement results in optimum weight distribution.

CUTTERHEAD

The new chopping system featuring 48 blades arranged in a four-row chevron pattern was developed specially for F series machines.
- Cutterhead diameter: 630mm; rotation speed: 1,200 RPM;
- It can operate with a half-set of knives for increased chopping length;
- Reinforced trunnions and bearings ensure fault-free operation of the cutterhead;
- Cutterhead bed clearance is adjusted in unison with the shear bar clearance;
- The new sharpening device doubles the knives sharpening speed;
- Special knives for grass and corn are optionally available.

DRIVELINE

The cutterhead and crop accelerator are driven directly from the engine shaft via the main drive clutch.
- Maximum energy efficiency of the drive due to direct transmission of power from the motor shaft;
- The feed rolls gear case is belt-driven from the cutterhead shaft. This simple solution allows to synchronize the feed rolls and cutterhead speeds and maintain constant chopping length at any loads.

FEEDROLLS

Rugged design of the feeder guarantees its reliable operation at any yield. The feedrolls are driven by a gear case designed by Rostselmash.
- The lateral lift frame on the feedroll housing allows to copy the ground with any header attached;
- One of four lengths of cut can be selected: 4 / 7 / 10 / 17 mm with a complete set of blades or 8 / 14 / 20 / 34 mm with a half-set of blades;
- Wear plates installed on the feedrolls allow to change the feeding rate of material;
- For ease of the chopping cylinder maintenance, the feedrolls housing can be opened either V-shaped or gate-like.

VERSATILE INOCULANT DOSING SYSTEM

It can apply both concentrated inoculant in the range of 0.3 to 6L per hour, and diluted inoculant in the range of 10 to 300L per hour.
- The concentrated inoculant tank cap is 20L (2x10). The diluted preservative tank capacity is 390L;
- There are 3 points of application – onto the feedrolls to clean the chutes with water, into the crop material accelerator for better mixing of the inoculant, and into the spout when using corrosive concentrated inoculant.

VIDEO MONITORING SYSTEM

The image from the spout camera (or from the rear hood camera when reversing) is shown on the display.
- Reduces losses of the chopped mass due to more convenient control of crop material flow;
- Reduces operator fatigue, allowing simultaneous control over the combine movement and crop material unloading.

MAIZE HEADER 450

Drum headers for corn harvesting. You can easily select the header suitable for your yield.
- MH 450-4.5-6.5m, 10 rows;
- Minimum cutting height: 60 mm;
- Width in transport position: 3 m.

GRASS HEADER 500

Direct cut header; operating width: 5 m.
- Slip clutches installed on the reel and auger shafts prevent overloads of drive assemblies;
- The cutterbar with a Schumacher drive is simple in maintenance and provides high-quality cutting.

FOR UP 300 PICKUP

Drum-rake window pickup; operating width: 3 m.
- The flexible frame of the pickup provides additional ground covering;
- The rear track roller protects the pickup mechanism on uneven fields;
- Friction and overrunning clutches on the drives protect the main pickup mechanisms against overloads.

KERNELL PROCESSOR

The kernel processor is engaged by the hydraulic drive. The new slider design of the kernel processor does not require to dismount it when switching to grass harvesting.
- Reinforced bearings improve reliability of the assembly;
- Replacing the grass chute by the kernel processor takes only 3 minutes in a semi-automatic mode.

Forage Harvesting Adapters