

## Specifications

	F 2450	F 2550	F 2650
<b>Engine</b>			
Manufacturer/model	MTU		
Engine type	OM 471LA Stage V	OM 473LA Stage V	OM 473LA Stage V
Rated power, h.p. (kW)	455 (335)	537 (395)	611 (450)
Fuel tank capacity, litres	1,500		
Adblue tank capacity, litres	95		
Air compressor	●		
<b>Feeding system</b>			
Width, mm	680		
Number of rolls	4		
Feed roll drive	hydraulic		
Reverse	hydraulic		
Length of cut adjustment	stepless, from the cab		
length of cut range, 48 knives drum, mm	4..22		
Metal and stone detector with autostart	●		
Feed roll frame opening	V-shaped or gate-like		
Longitudinal/transverse ground contour following mechanism	●		
Header attachment system	quick mounting and fixing device		
Header drive	hydraulic		
<b>Cutterhead</b>			
Diameter/width, mm	630/703		
Number of knives (standard), pcs.	48		
Rotation speed, rpm	1,200		
Automatic knife sharpening system controlled from the cab	●		
Automatic shear bar adjustment controlled from the cab	●		
Automatic cutterhead bed clearance adjustment	●		
Set of corn knives	○		
<b>Kernel processor</b>			
Type	removable, roller		
Tooth profile	sawtooth		
Roll diameter, mm	190		
Rotation speed Δ, %	20		
Kernel processor gap adjustment controlled from the cab	●		
Switch from kernel processor to grass chute controlled from the cab	●		

<b>Unloading system</b>	
Crop accelerator diameter, mm	540
Rotor speed, rpm	2,400
Spout rotation angle, degrees	226
Anti-collision system	●
Spout extension	○
Extention section, mm	720
<b>Inoculant dosing system</b>	
Tank for concentrated inoculant, litres	30
Tank for diluted inoculant, litres	390
<b>Truck filling and rear view video monitoring system</b>	
	○
<b>Automatic lubrication system</b>	
	●
<b>Remote monitoring</b>	
	●
<b>Chassis</b>	
Transmission	hydrostatic
Gearbox control method	electrohydraulic
Park brake control method	electrohydraulic
Work / transport speed, km/h	25/40
Front tyres, standard	650/75R32
Front tyres, option	800/65R32
Front tyres, option	900/60R32
Rear tyres, standard	500/70R24
Rear tyres, option	500/85R24
Rear axle drive	○
Drawbar hitch with autolock	○
<b>Cab</b>	
<b>Comfort Cab II</b> <sup>1</sup>	●
Climate control system	●
Sun blind	●
Beverage cooler	●
<b>Adviser III</b> <sup>2</sup> information system	●
<b>Dimensions (w/o header)</b>	
Length/width/height, mm	6,825 / 3,000 (3,375/3,450) / 3,905
<b>Headers</b>	
Corn header, m (rows)	4.5 (6) 6.0 (8) 7.5 (10)
Grass header, m	6.0
Pickup, m	3 / 4

● standard ○ option

<sup>1</sup> **Comfort Cab II** is a spring-mounted airtight two-seat cab with improved noise insulation, climate control, beverage cooler, audio system ready.

<sup>2</sup> **Adviser III** is an information system with 10" colour touch screen and voice notification.

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

# Forage harvesters RSM F 2450/2550/2650



## ENGINE

New line of Mercedes MTU R6 OM 471LA and OM 473LA engines with turbocharger ensures efficient use of combines' potential.

- The transverse engine arrangement provides optimal weight distribution.
- The fuel tank of 1,500 l allows to work the entire day without refilling.

## CUTTERHEAD

New cutting system was developed specially for F series machines. 48-blades arranged in four rows in a chevron pattern;

- The cutterhead diameter is 630mm; rotation speed is 1 200 RPM;
- Half set of knives could be used to increase chopping length twice;
- Reinforced trunnions and bearings ensure reliable operation of the cutterhead;
- Cutterhead bed clearance is adjusted automatically;
- The new sharpening device doubles the speed of knives sharpening;
- Special knives for grass and corn harvesting are available as an option.

## DRIVELINE

The gearbox and the mainclutch are installed at the engine drive shaft. The gearbox drives transmission pump, high and low pressure hydraulic systems pumps and header drive pump. The clutch provides direct power take-off for the cutterhead and blower from the engine crankshaft.

- Maximum efficiency of the driveline due to direct power take-off from the engine crankshaft;
- The hydraulic header drive allows adjusting the speed of adapter on the go;
- The drive axle and electrohydraulically operated transmission allows the maximum transport speed of 40km/h.

## ERGONOMIC COMFORT CAB II



F series combines are equipped with suspended Comfort Cab II with panoramic view and improved noise insulation. Once you are in, you'll know how comfortable a workplace can be.

- The Adviser III voice information system continuously monitors the combine operations, allowing to control the workflow and to prevent malfunctions.
- The operator's seat with 5 adjustments;
- The cab is equipped with the climate control system and the beverage cooler;
- A new multifunctional lever on the armrest makes controlling the key functions easy and convenient.

## VIDEO MONITORING SYSTEM

The image from the camera on the spout (or from the camera on the rear hood when reversing) is shown on the display.

- Reduces losses of the chopped mass due to more convenient control of mass flow;
- Reduces operator fatigue, allowing simultaneous control over the combine movement and chopped mass unloading.



## FEEDROLLS

Hydraulically driven feedrolls provide uniform material feeding and allow to adjust length of cut from the cab.

- The lateral tilt frame on the feedroll housing allows to copy the ground with any header attached;
- The length of cut could be adjusted from 4mm to 22mm with full set of knives or from 8mm to 44 mm with half set of knives.
- The hydraulic feed roll damper prevents damage to the feedroll housing absorbing impact loads while working with uneven windrows;
- For easy cutterhead maintenance the feedroll housing could be opened either V-shaped or gate-like.



## KERNEL PROCESSOR

Switching from kernel processor to grass chute is operated by the hydraulic drive. The new slider design of the kernel processor does not require dismounting when switching to grass harvesting.

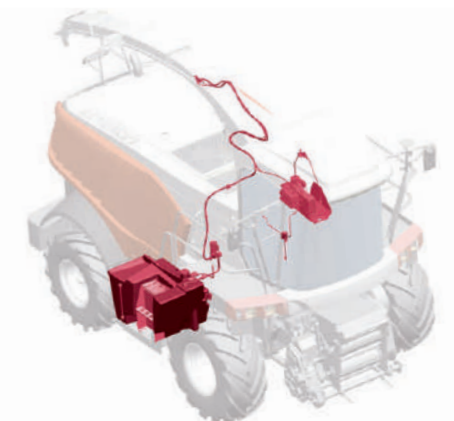
- Reinforced bearings improve reliability of the unit;
- Switching from kernel processor to the grass chute takes only 2 seconds and is controlled from the cab;
- Kernell processor gap could be adjusted from the cab.



## 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 concentrate inoculant tank capacity is 30L. The diluted inoculant tank capacity is 390L;
- Three points of application are available – on the feedrolls to clean the chutes with water, in the blower for better mixing of the inoculant and in the spout when using corrosive concentrated inoculant.



## Headers



### MAIZE HEADER SERIES

Drum headers for corn harvesting. You can easily select a header suitable for your yield.

- MH 450 – 4.5 m, 6 rows;
- MH 600 – 6 m, 8 rows;
- MH 750 – 7.5 m, 10 rows.



### GRASS HEADER 600

A 6m wide rotary header.

- Work speed is up to 15 km/h;
- Shear safety elements on every rotor.



### FOR UP 300 PICKUP

A 3m wide windrow pickup.

- The flexible frame of the pickup provides additional ground copying;
- The rear track roller protects the pickup mechanism on uneven fields;
- Friction and overrunning clutches on the drives protect the main pick-up mechanisms from overload.

