



ROAD CONSTRUCTION & SPECIAL-PURPOSE VEHICLES

MULCHER M300





M300



Mulcher



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MULCHER M300

FORESTRY MULCHING MACHINE

Mulcher M300 is designed for clearing forest areas from standing trees and bushes up to 400 mm in diameter, including removal of stumps down to 150 mm below the ground level. This model specifications allow for effective wood clearing for further laying and maintenance of main pipelines and gas lines, electric power lines, fire breaks, as well as for construction of motor and rail ways. Grinding of timber remains into mulch and blending it with soil allows to perform initial land preparation at a high-quality level for further landscaping and improvement of open territories. Application of a mulcher

stops vegetation growth for several years. Recently, this model has been used in land improvement for agricultural needs more often. Operating conditions in moderate climate according to GOST 15150-69 are specified for the temperature range -40 to +40 °C.



ADVANTAGES

- High power supply per production unit and performance.
- Fuel efficiency.
- Excellent cross-country characteristics on soils with poor load bearing capacity.
- Optimal grinding diameter ensures advanced functionality.
- Hydraulic drive for hook-up attachments.
- Meets the allowed shipping clearances.
- Components from the leading international manufacturers.
- Operational comfort for the operator.

BASIC CONFIGURATION



- Automatic dry chemical fire fighting unit system mounted in the power compartment.
- Hydraulic winch Brevini (Italy).
- Mulcher FAE 300/U-200.
- Mechanical protection of the track components against aggressive substances and track toe-in effect High-reliable travel reducer PMP Industries (Italy).
- Crawler width of 600 mm, track toes with a double split piece grouser.
- Crawler track parts by Roter, ITR, Valuepart (Italy).
- Enhanced reliability crawler truck.
- Crawler track system with equalizer bars.
- Hydrostatic power transmission.
- Mulcher with hydraulic rotor drive.
- Hydraulic cylinder power drive (mulcher lift/drop, C-frame tilt, mulcher lid opening/closing, mulcher angling, hydraulic oil motor cooler, wrench drive).
- Attachment equipment mount system.



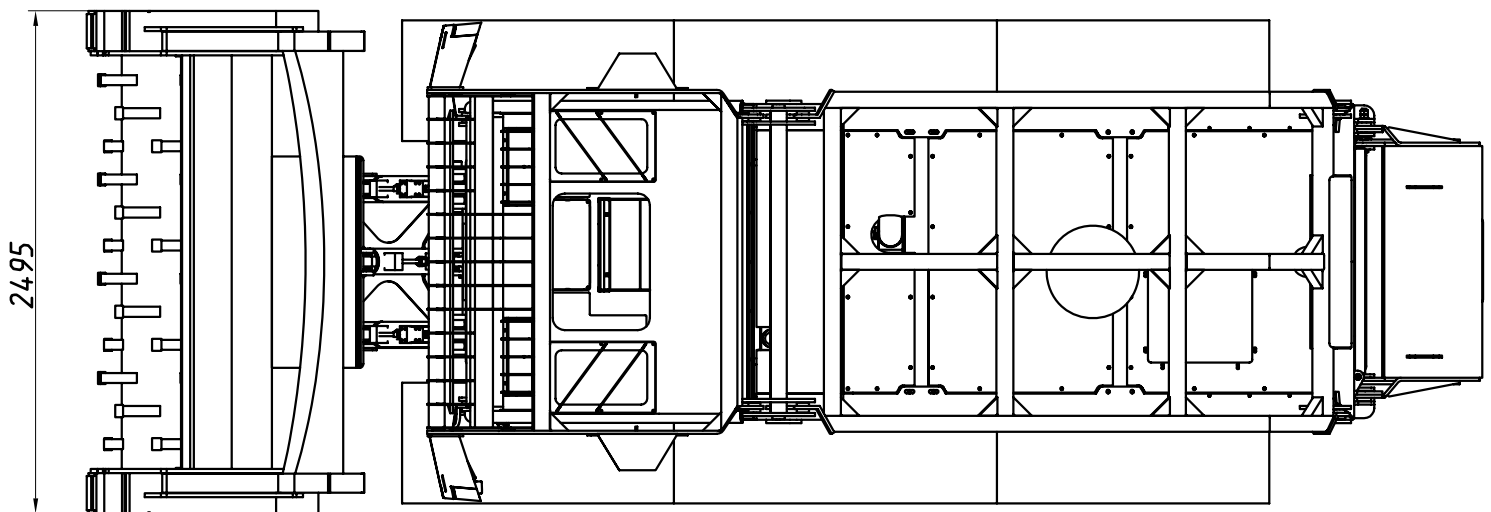
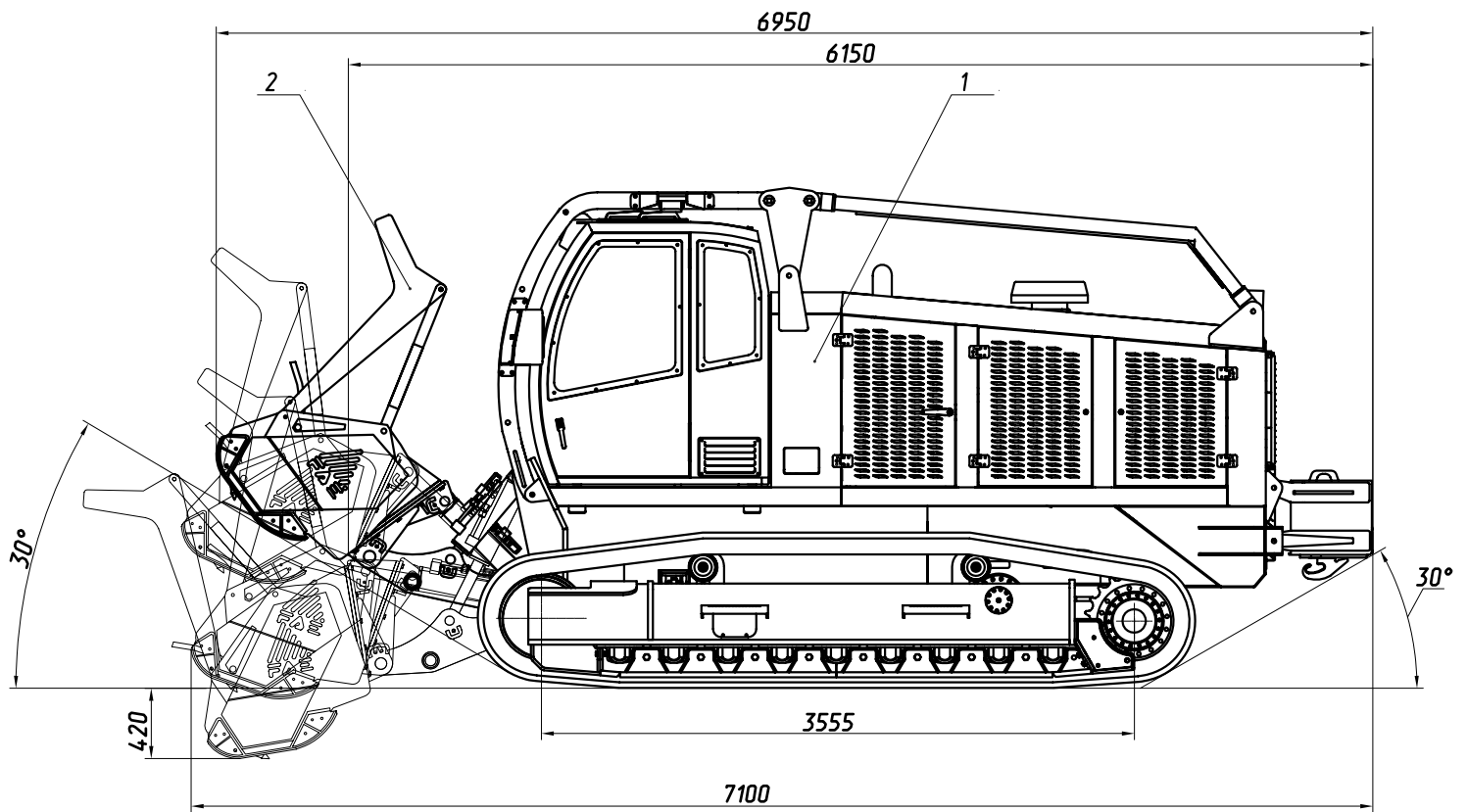
- Pre-start heater.
- LED lamps for effective illumination of the working area.
- FOPS/ROPS.
- Electronic control system of the drives from joysticks by Bosch Rexroth.
- Rear view camera.
- LCD screen.
- Two-seat airtight cabin with a highly efficient climate control unit.
- Reliable metal protection of the power compartment, cabin and hood parts against falling objects.







DIMENSIONS



SPECIFICATIONS

PERFORMANCE	UNITS	M300
Curb weight	kg	18,500

ENGINE

Model		Deutz BF 6M 1015 SR
Power	kW (HP)	314 (421)
Maximum rated speed	rpm	2,100

ELECTRICAL SYSTEM

Voltage	V	24
Batteries	V	2x12
Battery capacity	A-h	190
Alternator	V	28
	A	140
Starter	V	24
	kW	6.5

MULCHER

Mulcher		FAE 300/U-200
Power takeoff by mulcher, max.	kW	280
Cutting width	mm	2,080
Overall width	mm	2,500
Rotor diameter	mm	600
Rotor speed (working)	rpm	1,650...1,800
Type and No. of cutter teeth	pcs.	B+C/SS, 72+2
Max. cutting diameter	mm	0...400
Cutting range below ground level	mm	0...150

SPECIFICATIONS

Ground clearance	mm	400
Ground pressure (track shoe 600 mm), max	kg/cm ²	0.43
Track width, standard	mm	600
Seats in cab	pers.	2
Track drive		split (independent)
Transmission		hydrostatic
Travel speed	km/h	0.0...7.5
Operating speed	km/h	0.0...7.5
Ability rating		1
Gradeability	%	70
Max. hydraulic flow	l/min	525
Max. working pressure	bar	320

OPTIONAL EQUIPMENT



- Filling pump Exm 26950013878 24V (24 V, eff. 45 l/min of diesel fuel) used with engine 24V.
- GLONASS system.
- Fuel pre-heater MANN- FILTER DH32 (KIT) 12 & 24V (mounted into the strainer).
- Omnicomm equipment.



APPLICATIONS

- Remote monitoring of the vehicle in real-time mode (control over the key parameters that ensure proper operation).
- Tracking of positioning and travel routes.
- Monitoring of the time in service by motor hours or mileage.
- Scheduling repairs and maintenance – warnings about abnormalities (managing engine overheating, etc.).
- Remote monitoring and control over fuel consumption aimed against improper use.
- Preparation of operation reports for a certain period.
- Control over time in operation and prevention of stoppage and overwork.



320 service engineers **62** maintenance shops **155** service cars

FINANCIAL SERVICES

- Financing of equipment for individuals and legal entities on special conditions provided by top ranked leasing companies.
- Participation in state financial support programs on road construction vehicle purchasing.
- Business-tailored conditions.
- Special offers for certain vehicle types.
- Competitive and flexible leasing terms.
- Programs with minimum set of documents required.

TECHNICAL SUPPORT

- Timely maintenance and repair in authorized maintenance shops in according with the manufacturer's regulations.
- On-site maintenance.
- Available original parts in the dealership network service centers.
- Internet-platform with complete inventory of original spare parts allows to satisfy operators' needs.
- Training of service specialists in dealer centers under unified corporate programs.
- After-sale service contracts on warranty prolongation.
- Opportunity to provide technical support according to one-stop-shop principle.



MADE IN RUSSIA

15 Rochdelskaya st., bld. 1, Moscow
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www.umg-sdm.com



Materials, specifications may be changed without prior notification.
The scope of standard equipment mountable to order can be changed.
Equipment showed in the images may differ from that available in stock as of the order date.