



RSM 180/210 Roadside mower





General presentation





♥ Rear mounted roadside mower

- ✤ Tool designed for roadside maintenance
- ♦ Machine adaptable on low power tractors (65-120 HP)



Chassis







- 1. frame structure made up of welded parts for high rigidity
- 2. articulations fitted on bushes with cells ou cavities, pins stopped from rotating
- 3. Compact attachment for a center of gravity close to the tractor









- 1. Driven by 4 V-belts
- 2. Large diameter pulleys for improved power transmission
- 3. Automatic belt tensioning device
- Reliability and reduced maintenance costs



- ✓ 540 min⁻¹ drive
- 82 hp/60 kW gearbox coupled at the end of the rotor
- ✓ Free wheel integrated in the gearbox



Mowing unit





✓ Casing made up of a front beam and rear beam for high rigidity

✓ Front guard bar to protect from shocks

✓ Casing protected by a bolted 4 mm thick sheet metal lining

✓ Casing fitted with a removable counterknife

✓ Hardox[®] steel bolted wear skid







✓ 425 mm rotor diameter of cut

 ✓ Rotor fitted with pivoting hammer knives for excellent mowing quality

✓ Forged hammer knife for increased resistance to shocks and wear

 \checkmark Tool fitted on a 13 mm Ø torve shackle and a case hardened screw stopped from rotating

 ✓ Possibility to fit Universal flails or hammer knives



Mowing unit







- ✓ Support roller Ø 160 mm
 - Removable ends with greasing system
 - Double row angular contact ball bearings
 - Bearing protection by chicanes and sealing device
- ✓ Cutting height adjustable from 34 mm to 141 mm

✓ Rotor bearing protection by anti-wrapp chicanes



Mowing unit







✓ Mechanical safety in case of hitting an obstacle

✓ Safety reset by reversing

✓ Signalling equipment as standard

 ✓ Mechanical machine locking for safe transport on roads



Kinematics







- 1. <u>Leg</u>
- ✓ Leg controlled by a SA cylinder
- \checkmark 600 mm side offset range

- 2. Mowing unit
- \checkmark Mowing unit angle adjustable with a
- SA cylinder
- ✓ Tilt angle
 - 55° in ditch position
 - + 90° in slope position





Thanks to the two single acting cylinders, the RSM follows ground contours perfectly without the driver having to intervene





Result : high quality of work for a clean job





Equipment





RSM



Attachment frame with side offset ✓ 580mm offset ✓ offset by sliding frame reducing the overhang and stresses on the structure ✓ Possibility to retrofit machines in service



Technical specifications



Horizontal travel (mm) 580 as optionent equipment Vertical travel (mm) 600000000000000000000000000000000000	Technical specifications	RSM 180	RSM 210
Vertical travel (mm) 600 Transport height with 40 cm clearance (m) 2.85 3.15 Shredding unit safety Mechanical Maximum ditch angle -55° Maximum slope angle +90° Machine weight (kg) 710 810 Drive (min-1) 540 2.10 Norking width (m) 1.80 2.10 Rotor speed (min-1) 2.10 2.10 Type of tools Pivoting harmer knives Number of tools 20 24 Roller diameter (mm) 20 24 Splash guard Standard 3.15 Machine weight (kW/hp) 48/65 55/75	Position of the mowing unit	Lateral rear	
Transport height with 40 cm clearance (m)2.853.15Shredding unit safety $Mechanical$ Maximum dich angle -55° Maximum slope angle $+90^{\circ}$ Machine weight (kg) 710 810 Drive (min-1) 54° Drive (min-1) 2.10 Kotr diameter (mm) 2.10 Rotor speed (min-1) 2.10 Type of tools 20 Number of tools 20 Roller diameter (mm) 20 Splash guard 3.15 Attachment 3.15 Minimum tractor power (kW/hp) $48/65$	Horizontal travel (mm)	580 as optional equipment	
Shredding unit safetyMechanicalMaximum ditch angle $$ Maximum slope angle $$ Machine weight (kg) 710 Machine weight (kg) 710 Drive (min-1) $$ Drive (min-1) $$ Working width (m) 1.80 2.10 Rotor diameter (mm) $$ Machine weight (kg) $$	Vertical travel (mm)	600	
Maximum ditch angle -55° Maximum slope angle -9° Machine weight (kg)710810Drive (min-1) -54° Drive (min-1) -4° Working width (m)1.802.10Rotor diameter (mm) -22° Rotor speed (min-1) 20 24Type of tools2024Roller diameter (mm) -20 24Roller diameter (mm) -20 24Splash guard -316° 24Attachment -316° -3575°	Transport height with 40 cm clearance (m)	2.85	3.15
Maximum slope angle +90° Machine weight (kg) 710 810 Drive (min-1) 540 500 Drive (min-1) 4 V-betts 2.10 Working width (m) 1.80 2.10 Rotor diameter (mm) 425 2.10 Type of tools 0 2.10 Number of tools 20 24 Roler diameter (mm) 221 24 Splash guard 20 24 Attachment 5165 24 Maximum tractor power (kW/hp) 48/65 55/75	Shredding unit safety	Mec	hanical
Machine weight (kg) 710 810 Drive (min-1) 540 500 Drive (min-1) 4 V-bits 2.10 Working width (m) 1.80 2.10 Rotor diameter (mm) 425 2.10 Rotor speed (min-1) 2210 24 Number of tools 20 24 Roller diameter (mm) 20 24 Roller diameter (mm) 20 24 Attachment 51/5 20	Maximum ditch angle	-55°	
Drive (min-1) 3 Drive (min-1) $4 \lor - \forall - \forall \exists \forall \forall$	Maximum slope angle	+90°	
Drive 4 U-bits Drive 4 Working width (m) 1.80 Rotor diameter (mm) 2.10 Rotor speed (min-1) 2210 Type of tools Pivoting harrer knives Number of tools 20 Roller diameter (mm) 20 Splash guard G Attachment Cataget (MV/hp) Mininum tractor power (kW/hp) 48/65	Machine weight (kg)	710	810
Working width (m)1.802.10Rotor diameter (mm)42Rotor speed (min-1)221Type of toolsPivoting harrer knivesNumber of tools20Roller diameter (mm)20Splash guardCataget (ment)AttachmentCataget (ment)Minimum tractor power (kW/hp)48/65	Drive (min-1)	540	
Rotor diameter (mm)425Rotor speed (min-1)2210Type of toolsPivoting harmer knivesNumber of tools20Roller diameter (mm)20Splash guardCataget and the second and the	Drive	4 V-belts	
Rotor speed (min-1)2210Type of toolsPivoting harrow knivesNumber of tools2024Roller diameter (mm)I24Splash guardStartow Startow	Working width (m)	1.80	2.10
Type of toolsPivoting harmer knivesNumber of tools2024Roller diameter (mm)C3Splash guardStandardStandardAttachmentCataget (kW/hp)48/6555/75	Rotor diameter (mm)	425	
Number of tools2024Roller diameter (mm)160Splash guardStandardAttachmentCat.2Minimum tractor power (kW/hp)48/65	Rotor speed (min-1)	2210	
Roller diameter (mm) 160 Splash guard Standard Attachment Cat.2 Minimum tractor power (kW/hp) 48/65 55/75	Type of tools	Pivoting hammer knives	
Splash guard Standard Attachment Cat.2 Minimum tractor power (kW/hp) 48/65 55/75	Number of tools	20	24
Attachment Cat.2 Minimum tractor power (kW/hp) 48/65 55/75	Roller diameter (mm)	160	
Minimum tractor power (kW/hp) 48/65 55/75	Splash guard	Standard	
	Attachment	Cat.2	
Recommended tractor weight (t) 3 3,5	Minimum tractor power (kW/hp)	48/65	55/75
	Recommended tractor weight (t)	3	3,5



Technical specifications









Standard machine

Values	RSM 180	RSM 210
А	1773	2121
В	3185	3543
С	1310	
D	998	
E	1773	2121
F	1250	
G	400	
н	440	
1	110	





Technical specifications





Machine with offsetable attachment

Values	RSM 180	RSM 210
А	1773	2121
B min max	2895 3475	3253 3833
C	1020 1600	1020 1600
D	1205	
E	1773	2121
F	1250	
G	400	
н	500	
1	60	

