Catalog 2024-25

since 1961

FPM

DK

Disc mowers DK, DKF and DKK are rear tractor mowers intended for all types of grass and fodder plants, roadside surfaces, and for communal works. These mowers have powerful gear cutters and are characterized by high reliability even during intensive use. They are also suitable for use in difficult working conditions such as lying and dead grass, wet terrain, terrain with molehills, sloping terrain, during moderate rainfall, and the like. They are able to work on sloping terrains up to +45 / -45 degrees. The DK model uses hexagonal disc drive system shafts and a pair of bevel gears, while the DKF uses a cutter gear transmission. DKK uses a floating cutting system and is available with conditioners.

DKF

DKK

	m			cat	min KW(HP)	RPM	RPM	km/h	ha/h	cm	hydraulic	Kg
DK 130/3 1N	1,3	3		1N	18(24)				2		✓	280
DK 130/3 M	1,3	3		I, II	19(26)				2			320
DK 130/3	1,3	3	2	I, II	19(26)	540	3000	16	2	3-9		314
DK 160/4	1,6	4		I, II	21(29)				2,5		✓	370
DK 200/5	2	5		I, II	25(34)				3,2			500

	m			cat	min KW(HP)	RPM	RPM	km/h	ha/h	cm	hydraulic	Kg
DKF 160/4	1,6	4			21(29)				2,5			444
DKF 200/5	2	5			25(34)				3,2			492
DKF 240/6	2,4	6	2	I, II	31(42)	540	3030	16	3,8	3-9	✓	548
DKF 280/7	2,8	7			38(52)				4,5			590
DKF 320/8	3,2	8			41(56)				5			650

	m			cat	min KW(HP)	RPM	RPM	km/h	ha/h	cm	hydraulic	Kg
DKK-C 260/6	2,6	6	2	II	74 (100)	1000	3165	12+	2,8	4-9	✓	1340
DKK 260/6	2,6	6	2	II	66 (90)	1000	3165	12+	2,8	4-9	✓	1050
DKK-C 340/8	3,4	8	2	II	74 (100)	1000	3165	12+	4	4-9	✓	1460
DKK 340/8	3,4	8	2	II	74 (100)	1000	3165	12+	4	4-9	✓	1180

Hay tedders are primarily used for spreading and turning the mown grass mass. Evenly spread grass mass significantly accelerates drying. This reduces the losses caused by crushing, reduces the dependence on bad weather and improves the storage of nutrients in the mown grass. RAS addapts to the terrain and evenly distributes the grass behind the machine.

	m		mm	cat	min KW(HP)	RPM	TRANSPORT m	hydraulic	ha/h			Kg
RAS 400/4	4	4 / 6	9	I, II	18 / 25	540	2.5	✓	4	manual	15x6.00-6	574
RAS 600/6	6	6 / 6	9	I, II	35 / 48	540	2.85	✓	6.2	manual	15x6.00-6	732
RAS 800/8	8	8/6	9	II	66 / 90	540	2.85	✓	8	hydraulic	16x9.50-8 16×6.50-8	1100

ROTARY HAY RAKES

ROTARY RAKE - RS

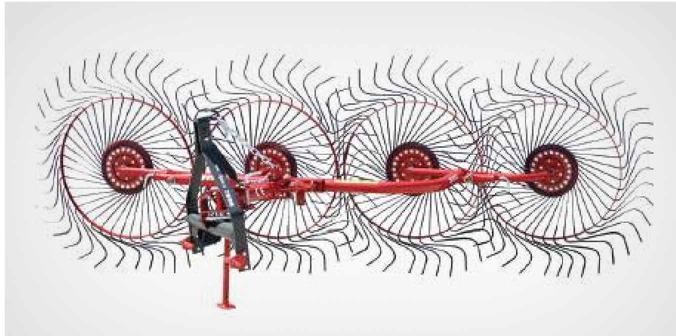
ROTARY RAKE - RS

Rotary rakes are designed for raking mowed mass and represent the latest in design of machines for this purpose. This type of machine collects only cut grass without unwanted impurities such as dirt and rocks, delivering quality fodder. In addition, using this type of machines prevents tangling and flattening of the swath, making the process of balling much easier.

	m		mm	cat	min KW(HP)	km/h	ha/h		Kg
RS 300/8	3,0	8 / 3	9	I, II	15(20)	15	4,8	2/15x6.00-6	332
RS 320/9	3,2	9 / 3					5		346

	m		mm	cat	min KW(HP)	km/h	ha/h		Kg
RS 410/11+	4,1	11 / 3	9	I, II	33(45)	15	6,2	4/15x6.00-6	580
RS 430/12+	4,3	12 / 4			33(45)		6,5	4/15x6.00-6	600
RS 460/13+	4,6	13 / 4		II	55(75)		6,9	4/16x6.50-8	786

WHEEL HAY RAKES



WHEEL HAY RAKE - SS

Wheel hay rakes are designed for raking, spreading and turning mowed mass, which shortens drying time. Due to good ground contour adaptation, this type of wheel rake is suitable for every type of terrain, and is very reliable and easy to use due to simple and sturdy construction. They offer the possibility of raking hay in one, two or more windrows depending on quantity of mowed mass. The small weight of these machines contributes to low fuel consumption.

	m		mm	cat	min KW(HP)	km/h	ha/h	hydraulic	Kg
SS 240/4	2,4	4 / 40	7	I, II	18(24)	15	3,6		185
SS 300/5	3	5 / 40			30(41)		4,4		286
DSS 520/9H	5,2	9 / 40					7,5	✓	688
DSS 800/13H	8	13 / 40					12		846

FLAIL MOWERS

LIGHT UNIVERSAL FLAIL MOWERS

Light universal flail mower is designed for versatile use in all agricultural areas, for the maintenance of green areas and neglected terrain. They can be used for chopping crop residues, pruning in orchards and vineyards, and shredding branches up to 40 mm in diameter. Lightweight construction is made for easy and low cost maintenance.

	m	m	min KW(HP)	cat	RPM	mm				cm	Kg
LM 110	1.1	1.3	11(15)	1	540	114	3	14	42	2-7	188
LM 130	1.3	1.5	15(20)	1	540	114	3	18	54	2-7	246
LM 150	1.5	1.7	18(25)	1	540	114	3	20	60	2-7	262

Standard version VM

Flail mowers for orchards and vineyards are a type of agricultural flail mower and are primarily designed for shredding of plant residue after pruning and for weed and grass in orchards and vineyards.

Beside their basic purpose, these flail mowers can also be used for shredding of crop residue, for maintenance of all other agricultural, public, neglected or uncultivated areas.

Due to electronically balanced rotor of high speed, blades precisely and efficiently shred plant residue transforming it to light humus fertiliser, improving the quality and fertility of the soil and decreasing the use of inorganic fertilisers. This directly reduces agricultural production costs and increases yields.

H/C/+ series

	m	m	min KW(HP)	cat	RPM	RPM	mm			cm	cm	hydraulic	Kg
VM 155	1,55	1,7	18(25)	I, II	540	2230	108	16	48	2-7	61 — 92		450
VM 155H											91 — 62	✓	460
VM 180	1,80	2,00	22(30)					20	60		75 — 105		470
VM 180H											105 — 75	✓	480
VM 200	2,00	2,2	26(35)					24	72		85 — 115		490
VM 200H											115 — 85	✓	500

G/C/+ series

G/C/+ series

G	Rubber
H	Hydraulics
C	Side movement over the cylinder
+	Front and rear attachment

www.fpm.rs

UNIVERSAL FLAIL MOWERS | UM PRO

UNIVERSAL FLAIL MOWERS

UM

UM PRO

Universal flail mowers are used for mulching plant residues in agriculture (corn, straw, sunflower, green plant residues), communal areas (along roads, railways, infrastructure, watercourses and ditches), fruit growing and viticulture (branches, vines and grass) and for pasture cleaning. UM are designed for crushing branches up to 10 cm thick. Quiet operation is made possible by an electronically balanced rotor with a hammer device that allows extremely easy rotor operation.

	m	m	min KW(HP)	cat	RPM	mm				cm	hydraulic	Kg
ULM 230	2.3	2.5	40(55)	I, II	540/1000	168	4	24	48	3-12		788
UM 230+	2.3	2.5	40(55)	II	540/1000	168	4	24	48	3-12	✓	900
UM 250+	2.5	2.7	48(65)	II	540/1000	168	4	26	52	3-12	✓	955
UM 280+	2.8	3	55(75)	II	540/1000	168	5	30	60	3-12	✓	1005
UM 250 PRO+	2.5	2.7	65(90)	II, III	540/1000	194	5	22	44	3-12	✓	1005
UM 280 PRO+	2.8	3	80(108)	II, III	540/1000	194	5	24	48	3-12	✓	1094
UM 300 PRO+	3	3.2	100(136)	II, III	540/1000	194	5	26	52	3-12	✓	1194

OFFSET FLAIL MOWERS

BLM

BM PRO

Offset flail mowers, in addition to their universal use in agriculture, are intended for mulching communal areas with a slope of +90° / -65°, especially watercourses, ditches, areas along roads and along lawns, orchards and pastures. Quiet operation is enabled by an electronically balanced rotor with hammer blades that allow extremely easy rotor operation, with low vibrations, minimal deformation and prolonged life of the flail mower.

	m	m	min KW(HP)	cat	RPM	mm				cm	hydraulic	Kg
BLM 150	1.5	1.7	25(35)	II, III	540	114	3	20	60	2-7	✓	360
BM 160 PRO	1.6	2.1	33(45)	II, III	540	159	4	20	40	3-12	✓	710
BM 180 PRO	1.8	2.3	35(50)	II, III	540	159	4	22	44	3-12	✓	732
BM 200 PRO	2.0	2.5	53(70)	II, III	540	159	4	24	48	3-12	✓	788
BM 250 PRO	2.5	3.0	80(108)	II, III	540	159	5	30	60	3-12	✓	1080

LF (fixed model)

LPF / SPF

Side-shift rotary tillers fall in the category of light-weight rotary tillers and are designed for primary and secondary tillage in crop farming, truck farming, fruit growing and viticulture. They are available in two classes: LPF (for easier working conditions) and SPF (for medium demanding working conditions). The LF model has a fixed frame and is not movable, while LPF and SPF have right-hand side shifting, that enables working the soil in close proximity to the plant.

	m	m	min KW(HP)	cat	RPM	RPM	mm		cm	cm		Kg
LF 105	1,05	1,2	11(15)	1N	540	231	48	4 / 20	18			157
LF 125	1,25	1,4	15(20)					4 / 24	18			172
LF 145	1,45	1,6	18(25)	I, II				4 / 28	18			186
LF 165	1,65	1,8	22(30)					4 / 32	18			195

	m	m	min KW(HP)	cat	RPM	RPM	mm		cm	cm		Kg
LPF 105	1,05	1,2	11(15)	1N	540	231	48	4 / 20	18	39 50	66 55	157
LPF 125	1,25	1,4	15(20)					4 / 24	18	39 60	86 65	172
LPF 145	1,45	1,6	18(25)	I, II				4 / 28	18	39 70	106 75	186
LPF 165	1,65	1,8	22(30)					4 / 32	18	39 80	126 85	231
LPF 165H	1,65	1,8	22(30)					4 / 32	18	39 80 hydraulics	hydraulics 126 85	270
SPF 145	1,45	1,6	18(25)	I, II	540	280	63,5	4 / 28	20	39 70	106 75	280
SPF 165	1,65	1,85	22(30)					4 / 32	20	39 80	125 85	310
SPF 165H	1,65	1,85	22(30)					4 / 32	20	39 80 hydraulics	hydraulics 125 85	430
SPF 185	1,85	2,05	26(35)	II				4 / 36	20	39 90	145 95	335
SPF 185H	1,85	2,05	26(35)					4 / 36	20	39 90 hydraulics	hydraulics 145 95	450
SPF 205	2,05	2,25	37(50)					4 / 40	20	39 105	155 95	380
SPF 205H	2,05	2,25	37(50)					4 / 40	20	39 105 hydraulics	hydraulics 155 95	476

HEAVY-DUTY ROTARY TILLERS ROTAS

ROTAS heavy-duty rotary tillers fall into the category of heavy-duty rotary tillers and are designed for primary and secondary tillage in all types of agricultural production. Due to the four-stage reduction gear and their robust and massive structure, this type of rotary tiller can be used even under the most difficult operating conditions.

<table>
<tr><th></th><th>m</th><th>m</th><th>min KW(HP)</th><th>cat</th><th>RPM</th><th>RPM</th><th>mm</th><th></th><th>cm</th><th colspan="2">cm</th><th>Kg</th></tr>
<tr><td>ROTAS 140</td><td>1,4</td><td>1,7</td><td>30(40)</td><td rowspan="3">I, II</td><td rowspan="6">540</td><td rowspan="6">198-316</td><td rowspan="6">88,9</td><td>4 / 24</td><td rowspan="6">20</td><td>46</td><td>94</td><td>356</td></tr>
<tr><td>ROTAS 160</td><td>1,6</td><td>1,9</td><td>33(45)</td><td>4 / 28</td><td>65</td><td>95</td><td>364</td></tr>
<tr><td>ROTAS 180</td><td>1,8</td><td>2,1</td><td>37(50)</td><td>4 / 32</td><td>85</td><td>95</td><td>430</td></tr>
<tr><td>ROTAS 210</td><td>2,1</td><td>2,4</td><td>44(60)</td><td rowspan="3">II</td><td>4 / 40</td><td>108</td><td>102</td><td>470</td></tr>
<tr><td>ROTAS 260</td><td>2,6</td><td>2,9</td><td>55(75)</td><td>4 / 48</td><td>114</td><td>146</td><td>556</td></tr>
<tr><td>ROTAS 280</td><td>2,8</td><td>3,1</td><td>67(90)</td><td>4 / 52</td><td>140</td><td>140</td><td>710</td></tr>
</table>

POWER HARROWS

LRD

RD

These modern machines are intended for cultivating various types of land. They finely cultivate the soil, clean it and distribute evenly over the entire working width to create the perfect seedbed: they are usually used for secondary tillage after plowing and can break even the most compacted furrows in one pass. Their maximum processing depth is up to 28 cm.

	m	min KW(HP)	cat	RPM	RPM			cm	Kg
LRD 140/7	1,4	23(31)	I/II	540	320	7	14	26	380
LRD 160/8	1,6	30(41)	I/II	540	320	8	16	26	410
LRD 180/9	1,8	38(52)	I/II	540	320	9	18	26	440
RD 200/10	2	44(60)	II	540	320	10	20	26	890
RD 250/12	2,5	51(70)	II	540	320	12	24	26	1080
RD 300/14	3	59(80)	II	540	320	14	28	26	1250

PDS

ZDS

	m	min KW(HP)	max km/h	Kg
PDS 150	1,5	19(26)		370
PDS 250	2,50	35(47)	10	676
PDS 250H	2,50	35(47)		722

	m	min KW(HP)	cat	max km/h	Kg
ZDS 220	2,5	28(37)	I, II	2	330
ZDS 295	2,95	33(45)			386

SELF-PROPELLED MACHINES

AGRICULTURAL AUTONOMUS ROBOT - AgAR

NEW!

AgAR - Agricultural Autonomus Robot is a 100% electric multipurpose robotic platform designed to accommodate conventional tractor implements, as well as extensive variety of payloads. AgAR is equipped with Robot Operating System (ROS) based software that enables remote control and moving along predefined paths.

Due to its rugged design and high torque drive train, AgAR can cover rough terrain with high gradient slopes even with large payloads. It uses a self-leveling platform, that enables change of ground clearance and turning in place. It provides up to 12 hours of autonomy and also features a battery swap system.

AgAR	
Wheels	4E x 12 rims, 5-12 tire (outer diameter 567 mm, width 145 mm)
Dimensions	2,2 x 1,3 x 0,9m with min. clearance 1,7 x 1,3 x 1,3m with max. clearance
Running width	1,2m
Mass / Payload	800kg / 600kg
Clarance adjustment	220 - 810mm
Power	6kW / 12kW (30 sec) max.
Torque	950Nm / 1900Nm (30 sec) max.
Speed / Slope	1.75m/s max. / 40° max.
Autonomy	Typically 8h, up to 12h
Platform adjustment	±22° lateral & longitudinal direction
Traction force	3.35kN / 6.7kN (30 sec) max.

AgAR	
Battery	LiFePO4, 48V, 230 Ah
Max. battery discharge	500A / 1000A (30 sec)
Max. charging current	100A max / 600W / 3000 cycles
User power output	48V - 100A, 24V - 20A
Working conditions	-10°C to +50°C, <95% hum., IPX4
Surveillance	4K FPV camera
Safety	LiDAR, RADAR, stereo camera, 2 x safety bumper, 8 x safety ultrasonic sensor, LED RGB lights
Control	Android app and radio remote control with up to 4 km range
Communication	4G LTE and Wi-Fi
Drivers	Robot Operating System (ROS)

ENGINE	DIFFERENTIAL LOCK	MANUAL START	ELECTRIC START	GASOLINE	DIESEL
TYRE SIZE	No. OF BLADES / No. OF DOUBLE FINGERS	No. OF WHEELS / No. OF RAKES PER WHEEL	No. OF RAKES PER LINE / TOTAL No. OF RAKES	No. OF ARMS / No. OF RAKES PER ARM	

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