



CATALOGUE 2017

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PRICE LIST OF UNIA

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We reserve the right to make changes in the offer, in particular to withdraw products from the sales or to change specifications without prior notice

Prices: EXW netto, without VAT Currency: EURO Terms of delivery: EXW (factory in Poland)

 new models and equipment introduced in 2017 year

NEW

* equipment options which can be ordered during order

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PLOUGHS



TUR L **NEW**

Bed plough



TUR L 3+1

STANDARD EQUIPMENT

- » hitch axle cat. II ø28 mm
- » hitch axle cat. III ø36 mm (version 4+ / 4+1)
- » 120x120 mm frame
- » MX plough body with trashboard
- » bolt protection
- » non-stop 5-leaf spring protection (version S)
- » variable, spot-adjustable ploughing width: 32/37/42 cm for body
- » rubber support wheel, size 200/60-14.5
- » ø480 mm coulter disc with bolt protection
- » adjustment of the first furrow-slice width with adjustment screw

MODEL	PRICE	MODEL	PRICE
TUR L 2+	2 800	TUR L S 2+	3 600
TUR L 2+1	3 300	TUR L S 2+1	4 600
TUR L 3+	3 300	TUR L S 3+	4 600
TUR L 3+1	3 800	TUR L S 3+1	5 400
TUR L 4+	3 800	TUR L S 4+	5 400
TUR L 4+1	4 300	TUR L S 4+1	6 200

ACCESSORIES AT EXTRA CHARGE	PRICE
surcharge for LONG body (one pc.)	90
surcharge for slatted openwork LONG body (one pc.)	230
surcharge for skim coulter for crop residues – TUR L S (one set per body)	120
mechanical beam for secondary tillage tool	180
spring enhancement with 2 spring leaves, from 5 to 7 (one set per body)	130
surcharge for knife coulter (one pc.) *	20
one extra coulter disc, ø480 mm, spring-protected (TUR L S)	250
filter for hydraulic hose (per pc.) *	20

TUR L

- » interbody clearance: 90 cm
- » underbeam clearance: 75 cm



Mechanical adjustment of working width.



Variable, spot-adjustable ploughing width per body.

TUR L	2+	2+1	3+	3+1	4+	4+1
Weight [kg]	470	580	600	700	740	870
Power demand [HP]	45÷60	60÷80	60÷80	80÷100	80÷100	100÷120
TUR L S	2+	2+1	3+	3+1	4+	4+1
Weight [kg]	580	760	890	940	980	1100
Power demand [HP]	45÷60	60÷80	60÷80	80÷100	80÷100	100÷120

TUR VARIO

Bed plough



PLUGHS

cultivation

seeding equipment

combination seed drills

disc, rotary & tillage mowers

rakes & tedders

bale wrappers combination

bale wrappers

mineral fertilization

manure fertilization

potato technology

transport

protection

storage



TUR VARIO R4

STANDARD EQUIPMENT

- » hitch axle $\varnothing 70-825/\varnothing 28$ (version 4 / R 4)
- » hitch axle $\varnothing 70-965/\varnothing 36$ (version 5 / R 5)
- » 120×120×8 mm frame
- » LONG plough body with trashboard
- » bolt protection
- » non-stop 7-leaf spring protection (version S)
- » adjustable ploughing width: within the range 35÷50 cm
- » rubber support wheel, size 10.0/80-12
- » $\varnothing 480$ mm coulter disc with bolt protection
- » $\varnothing 480$ mm coulter disc with spring protection (version S)
- » turnbuckle (TUR 4)
- » beam tilting cylinder (TUR 5)

TUR VARIO

- » interbody clearance: 100 cm
- » underbeam clearance: 75 cm (TUR VARIO R) , 80 cm (TUR VARIO)



Variable hydraulic adjustment of working width



Mechanical adjustment of working width

MODEL	PRICE
TUR VARIO 4	5 200
TUR VARIO 5	6 200
TUR VARIO R 4	6 500
TUR VARIO R 5	8 000

ACCESSORIES AT EXTRA CHARGE	PRICE
surcharge for ZX body (one pc.)	40
surcharge for slatted openwork LONG body (one pc.)	230
beam tilting cylinder (only TUR Vario 4)	490
surcharge for knife coulter (one pc.) *	20
one extra coulter disc, $\varnothing 480$, spring-protected, $\varnothing 480$ mm (without 1 body in TUR VARIO R)	250
surcharge for skim coulters for crop residues (one set per body)	120
mechanical beam for secondary tillage tool	750
hydraulic beam for secondary tillage tool	1 080
spring enhancement with 2 spring leaves, from 7 to 9 (one set per body)	130
filter for hydraulic hose (per pc.) *	20

TUR VARIO	4	5	R 4	R 5
Weight [kg]	800	990	980	1170
Power demand [HP]	90÷120	110÷150	90÷120	110÷150

IBIS M

Mounted reversible plough



IBIS M 4

STANDARD EQUIPMENT

- » hitch axle: ø60-825/ø28 mm with two-stage adjustment
- » 100×100×8 mm frame
- » MX plough body with trashboard
- » bolt protection
- » variable, spot-adjustable ploughing width:
- » 32/37/42 cm for body
- » side support wheel 200/60-14.5 with wheel shock absorber
- » ø405 mm coulter disc with bolt protection
- » mechanical adjustment of first body

MODEL

IBIS M 2+

PRICE

5 400

IBIS M 2+1

6 400

IBIS M 4

7 400

ACCESSORIES AT EXTRA CHARGE

PRICE

surcharge for a pair of slatted openwork XL bodies

430

1 pair of knife coulters *

40

surcharge for hitch axle: ø60-825/ø36 mm

20

filter for hydraulic hose (per pc.) *

20

IBIS M

- » interbody clearance: 85 cm
- » underbeam clearance: 72 cm



Pantograph (beam/turntable connection)

It transfers the towing force and adjusts the first furrow-slice.



Turntable axle with double-acting cylinder



IBIS M	2+	2+1	4
Weight [kg]	600	750	900
Power demand [HP]	50÷70	70÷90	90÷110



IBIS L S 3+1

STANDARD EQUIPMENT

- » hitch axle: $\varnothing 60-825/\varnothing 28$ mm with two-stage adjustment
- » $120 \times 120 \times 8$ mm frame
- » LONG plough body with trashboard
- » bolt protection
- » non-stop 5-leaf spring protection (version S)
- » hydraulic protection (version H)
- » variable, spot-adjustable ploughing width:
- » $35/40/45$ cm for body
- » side support wheel 200/60-14.5 with wheel shock absorber
- » $\varnothing 450$ mm coulter disc with bolt protection
- » $\varnothing 450$ mm coulter disc with spring protection (version S / H)
- » beam tilling spindle (3+ / 3+1)
- » beam tilling cylinder (version 4+ / 4+1)

MODEL	PRICE
IBIS L 3+	7 700
IBIS L 3+1	8 700
IBIS L 4+	9 600
IBIS L 4+1	10 600
IBIS L PLUS 3+	9 000
IBIS L PLUS 3+1	10 300
IBIS L PLUS 4+	10 900
IBIS L PLUS 4+1	12 600

MODEL	PRICE
IBIS L S 3+	9 300
IBIS L S 3+1	10 800
IBIS L S 4+	11 800
IBIS L S 4+1	13 100
IBIS L S PLUS 3+	10 600
IBIS L S PLUS 3+1	12 400
IBIS L S PLUS 4+	13 400
IBIS L S PLUS 4+1	15 000

MODEL	PRICE
IBIS L H 3+	10 100
IBIS L H 3+1	11 800
IBIS L H 4+	12 700
IBIS L H 4+1	14 400
IBIS L H PLUS 3+	11 400
IBIS L H PLUS 3+1	13 400
IBIS L H PLUS 4+	14 400
IBIS L H PLUS 4+1	16 300

ACCESSORIES AT EXTRA CHARGE

PRICE

surcharge for 1 pair of slatted openwork LONG bodies	440
surcharge for 1 pair of knife coulters *	40
surcharge for 1 pair of extra coulter discs, $\varnothing 450$ mm, spring-protected (S/H)	490
surcharge for 1 pair of skim coulters for crop residues	230
mechanical beam for secondary tillage tool	790
hydraulic beam for secondary tillage tool	1 110
surcharge for rear support wheel, 200/60-14.5 * (only 3+1, 4+1)	360
spring enhancement with 2 spring leaves, from 5 to 7 (one set per body)	130
surcharge for suspension axle, $\varnothing 60-825/\varnothing 36$ mm	20
filter for hydraulic hose (per pc.)	20

IBIS L

- » interbody clearance: 90 cm
- » underbeam clearance: 75 cm

IBIS L PLUS

- » interbody clearance: 100 cm
- » underbeam clearance: 80 cm
- » skim coulters for crop residues

IBIS L	3+	3+1	4+	4+1	PLUS 3+	PLUS 3+1	PLUS 4+	PLUS 4+1
Weight [kg]	890	1090	1090	1290	910	1110	1110	1310
Power demand [HP]	80 ÷ 90	90 ÷ 100	90 ÷ 100	100 ÷ 110	90 ÷ 100	100 ÷ 110	100 ÷ 110	110 ÷ 120
IBIS L S	3+	3+1	4+	4+1	PLUS 3+	PLUS 3+1	PLUS 4+	PLUS 4+1
Weight [kg]	1060	1290	1290	1520	1080	1310	1310	1540
Power demand [HP]	80 ÷ 90	90 ÷ 110	90 ÷ 110	100 ÷ 120	100 ÷ 110	110 ÷ 120	110 ÷ 120	120 ÷ 130
IBIS L H	3+	3+1	4+	4+1	PLUS 3+	PLUS 3+1	PLUS 4+	PLUS 4+1
Weight [kg]	1030	1260	1200	1490	1050	1280	1280	1520
Power demand [HP]	80 ÷ 100	90 ÷ 110	90 ÷ 110	100 ÷ 120	100 ÷ 110	110 ÷ 120	110 ÷ 120	120 ÷ 150


IBIS XM

Mounted reversible plough



IBIS XM S 4+1

STANDARD EQUIPMENT

- » hitch axle: ø60-825/ø36 mm with two-stage adjustment
- » 120×120×8 mm frame
- » LONG plough body with trashboard 
- » bolt protection
- » non-stop 5-leaf spring protection (version S)
- » hydraulic protection (version H)
- » variable, spot-adjustable ploughing width: 35/40/45 cm for body
- » side support wheel 200/60-14,5 with wheel shock absorber
- » ø450 mm coulter disc with bolt protection
- » ø450 mm coulter disc with spring protection (version S / H)
- » adjustment of the first furrow-slice width with adjustment screw
- » beam tilling spindle

MODEL	PRICE	MODEL	PRICE	MODEL	PRICE
IBIS XM 3+	9 300	IBIS XM S 3+	10 600	IBIS XM H 3+	11 100
IBIS XM 3+1	10 300	IBIS XM S 3+1	12 100	IBIS XM H 3+1	12 700
IBIS XM 4+	10 300	IBIS XM S 4+	12 100	IBIS XM H 4+	12 700
IBIS XM 4+1	11 300	IBIS XM S 4+1	13 400	IBIS XM H 4+1	14 400
IBIS XM PLUS 3+	10 600	IBIS XM S PLUS 3+	11 900	IBIS XM H PLUS 3+	12 400
IBIS XM PLUS 3+1	11 900	IBIS XM S PLUS 3+1	13 700	IBIS XM H PLUS 3+1	14 400
IBIS XM PLUS 4+	11 900	IBIS XM S PLUS 4+	13 700	IBIS XM H PLUS 4+	14 400
IBIS XM PLUS 4+1	13 200	IBIS XM S PLUS 4+1	15 300	IBIS XM H PLUS 4+1	16 300

ACCESSORIES AT EXTRA CHARGE

PRICE

surcharge for 1 pair of slatted openwork LONG bodies	440
surcharge for 1 pair of extra coulter discs, ø450 mm *, spring-protected (only S/H)	490
surcharge for 1 pair of skim coulters for crop residues	230
cylinder for 1st furrow adjustment *	440
beam tilting cylinder *	750
mechanical beam for secondary tillage tool *	790
hydraulic beam for secondary tillage tool *	1 110
surcharge for rear support wheel, 200/60-14.5 (only 3+1, 4+1) *	360
surcharge for rear support and transport wheel, 10.0/80-12 (only 3+1, 4+1)	1 310

surcharge for side support and transport wheel, 10.0/80-12 *	1 240
surcharge for wide wheel 320/60-12	400
surcharge for wheel 10.0/80-12	120
spring enhancement with 2 spring leaves, from 5 to 7 (one set per body)	130
surcharge for suspension axle, ø60-965/ø36 mm	20
filter for hydraulic hose (per pc.) *	20

IBIS XM

- » interbody clearance: 90 cm
- » underbeam clearance: 75 cm

IBIS XM PLUS

- » interbody clearance: 100 cm
- » underbeam clearance: 80 cm
- » skim coulters for crop residues

IBIS XM	3+	3+1	4+	4+1	PLUS 3+	PLUS 3+1	PLUS 4+	PLUS 4+1
Weight [kg]	1270	1420	1150	1310	1290	1440	1240	1400
Power demand [HP]	90÷110	100÷120	90÷110	100÷120	100÷110	110÷130	100÷120	120÷140
IBIS XM S	3+	3+1	4+	4+1	PLUS 3+	PLUS 3+1	PLUS 4+	PLUS 4+1
Weight [kg]	1390	1590	1370	1580	1410	1610	1460	1680
Power demand [HP]	100÷120	110÷130	110÷130	130÷150	110÷130	120÷140	110÷130	130÷150
IBIS XM H	3+	3+1	4+	4+1	PLUS 3+	PLUS 3+1	PLUS 4+	PLUS 4+1
Weight [kg]	1350	1550	1360	1570	1370	1570	1440	1660
Power demand [HP]	100÷120	110÷130	110÷130	130÷150	110÷120	110÷130	110÷130	130÷150



IBIS XXLS 4+1

STANDARD EQUIPMENT

- » hitch axle: ø60-825/ø28 mm with two-stage adjustment (3+ / 3+1)
- » hitch axle: ø60-825/ø36 mm with two-stage adjustment (4+ / 4+1)
- » 140×140×8 mm frame
- » LONG plough body with trashboard
- » bolt protection
- » non-stop 7-leaf spring protection (version S)
- » hydraulic protection (version H)
- » variable, spot-adjustable ploughing width: 36/43/50 cm for body
- » side support wheel 10.0/80-12 with wheel shock absorber
- » ø480 mm coulter disc with bolt protection
- » ø480 mm coulter disc with spring protection (version S / H)
- » adjustment of the first furrow-slice width with adjustment screw
- » beam tilling spindle (3+ / 3+1)
- » beam tilling cylinder (version 4+ / 4+1)

MODEL	PRICE	MODEL	PRICE	MODEL	PRICE
IBIS XXL 3+	9 200	IBIS XXL S 3+	11 400	IBIS XXL H 3+	12 700
IBIS XXL 3+1	10 500	IBIS XXL S 3+1	13 100	IBIS XXL H 3+1	14 700
IBIS XXL 4+	12 100	IBIS XXL S 4+	14 400	IBIS XXL H 4+	16 300
IBIS XXL 4+1	13 700	IBIS XXL S 4+1	16 300	IBIS XXL H 4+1	18 600
IBIS XXL PLUS 3+	10 500	IBIS XXL S PLUS 3+	12 700	IBIS XXL H PLUS 3+	14 400
IBIS XXL PLUS 3+1	12 100	IBIS XXL S PLUS 3+1	14 700	IBIS XXL H PLUS 3+1	16 300
IBIS XXL PLUS 4+	13 700	IBIS XXL S PLUS 4+	16 000	IBIS XXL H PLUS 4+	18 000
IBIS XXL PLUS 4+1	15 300	IBIS XXL S PLUS 4+1	18 300	IBIS XXL H PLUS 4+1	20 900

ACCESSORIES AT EXTRA CHARGE

PRICE

surcharge for 1 pair of ZX bodies	70	surcharge for rear support and transport wheel, 10.0/80-12 (only 3+1, 4+1)	1 630
surcharge for 1 pair of BIG LONG bodies (only PLUS version)	220	surcharge for side support and transport wheel, 10.0/80-12 *	1 570
surcharge for 1 pair of slatted openwork LONG bodies	440	surcharge for wide wheel, 320/60-12 *	400
surcharge for 1 pair of knife coulters	40	spring enhancement with 2 spring leaves, from 7 to 9 (one set per body)	130
surcharge for 1 pair of extra coulter discs, ø480 mm, spring-protected * (S/H)	490	surcharge for suspension axle, ø60-965/ø36 mm *	20
surcharge for 1 pair of skim coulters for crop residues	230	filter for hydraulic hose (per pc.)	20
beam tilting cylinder (only 3+, 3+1)	750		
mechanical beam for secondary tillage tool *	790		
hydraulic beam for secondary tillage tool *	1 110		
TERRA H cultivating roller, 2m (450 kg) *	5 020		
TERRA H cultivating roller, 2.5m (510 kg) *	5 350		
surcharge for rear support wheel, 10.0/80-12 (only 3+1, 4+1)	360		

IBIS XXL

- » interbody clearance: 90 cm
- » underbeam clearance: 75 cm, 80 cm (S / H)

IBIS XXL PLUS

- » interbody clearance: 100 cm
- » underbeam clearance: 85 cm, 80 cm (S / H)
- » skim coulters for crop residues
- » variable, spot-adjustable ploughing width: 40/48/55 cm

IBIS XXL	3+	3+1	4+	4+1	PLUS 3+	PLUS 3+1	PLUS 4+	PLUS 4+1
Weight [kg]	1220	1370	1370	1520	1240	1395	1395	1550
Power demand [HP]	90÷110	120÷150	120÷150	140÷180	100÷120	130÷160	130÷160	150÷190
IBIS XXL S	3+	3+1	4+	4+1	PLUS 3+	PLUS 3+1	PLUS 4+	PLUS 4+1
Weight [kg]	1340	1550	1550	1760	1360	1570	1570	1780
Power demand [HP]	110÷130	130÷160	130÷160	150÷200	120÷140	140÷170	140÷170	160÷210
IBIS XXL H	3+	3+1	4+	4+1	PLUS 3+	PLUS 3+1	PLUS 4+	PLUS 4+1
Weight [kg]	1310	1510	1510	1710	1330	1530	1530	1730
Power demand [HP]	110÷130	130÷160	130÷160	150÷200	120÷140	140÷170	140÷170	160÷210

IBIS VARIO

Mounted reversible plough



IBIS VARIO H 5 + TERRA

STANDARD EQUIPMENT

- » hitch axle: ø60-825/ø28 mm with two-stage adjustment (VARIO 3)
- » hitch axle: ø60-825/ø36 mm with two-stage adjustment (VARIO 4 / VARIO 5)
- » ø120 turntable axis with double-acting cylinder
- » 120×120×8 mm frame (VARIO 3 / VARIO 4)
- » 140×140×8 mm frame (VARIO 5)
- » LONG plough body with trashboard
- » bolt protection
- » non-stop 7-leaf spring protection (version S)
- » hydraulic protection (version H)
- » adjustable ploughing width: within the range 35÷50 cm
- » side support wheel 10.0/80-12 with wheel shock absorber
- » ø480 mm coulter disc with bolt protection
- » ø480 mm coulter disc with spring protection (version S / H)
- » adjustment of the first furrow-slice width with adjustment screw
- » beam tilling cylinder

MODEL	PRICE
IBIS VARIO 3	12 100
IBIS VARIO 4	13 400
IBIS VARIO 5	15 700
IBIS VARIO PLUS 3	13 400
IBIS VARIO PLUS 4	15 300
IBIS VARIO PLUS 5	17 600

MODEL	PRICE
IBIS VARIO S 3	13 700
IBIS VARIO S 4	15 300
IBIS VARIO S 5	18 300
IBIS VARIO S PLUS 3	15 000
IBIS VARIO S PLUS 4	17 000
IBIS VARIO S PLUS 5	20 200

MODEL	PRICE
IBIS VARIO H 3	15 000
IBIS VARIO H 4	17 000
IBIS VARIO H 5	20 600
IBIS VARIO H PLUS 3	16 300
IBIS VARIO H PLUS 4	18 600
IBIS VARIO H PLUS 5	22 500

ACCESSORIES AT EXTRA CHARGE	PRICE
surcharge for 1 pair of ZX bodies	70
surcharge for a set of BIG LONG bodies (only in PLUS version)	220
surcharge for 1 pair of slatted openwork LONG bodies	440
surcharge for 1 pair of knife coulters *	20
surcharge for 1 pair of extra coulter discs, ø480 mm, spring-protected (S/H)	490
surcharge for 1 pair of skim coulters for crop residues	230
cylinder for 1st furrow adjustment *	440
mechanical beam for secondary tillage tool *	790
hydraulic beam for secondary tillage tool *	1 110
TERRA H cultivating roller, 2m (450 kg) *	5 020
TERRA H cultivating roller, 2.5m (510 kg) *	5 350
surcharge for rear support wheel, 10.0/80-12 *	360

surcharge for rear support and transport wheel, 10.0/80-12 *	1 630
surcharge for side support and transport wheel, 10.0/80-12 *	1 570
surcharge for wide wheel, 320/60-12 *	400
spring enhancement with 2 spring leaves, from 7 to 9 (one set per body)	130
surcharge for suspension axle, ø60-825/ø36 mm	20
surcharge for suspension axle, ø60-965/ø36 mm	20
filter for hydraulic hose (per pc.) *	20

IBIS VARIO

- » interbody clearance: 90 cm
- » underbeam clearance: 75 cm, 80 cm (S / H)

IBIS VARIO PLUS

- » interbody clearance: 100 cm
- » underbeam clearance: 85 cm, 80 cm (S / H)
- » skim coulters for crop residues

IBIS VARIO	3	4	5	PLUS 3	PLUS 4	PLUS 5
Weight [kg]	1240	1470	1700	1260	1500	1745
Power demand [HP]	90÷120	120÷150	140÷180	90÷120	130÷160	150÷200
IBIS VARIO S	3	4	5	PLUS 3	PLUS 4	PLUS 5
Weight [kg]	1360	1740	2050	1380	1755	2070
Power demand [HP]	100÷130	130÷160	150÷200	100÷130	140÷170	160÷210
IBIS VARIO H	3	4	5	PLUS 3	PLUS 4	PLUS 5
Weight [kg]	1320	1680	1970	1340	1695	1990
Power demand [HP]	90÷120	130÷160	150÷200	90÷120	140÷170	160÷210

ROOK **NEW**

Mounted reversible plough



PLUGHS

cultivation

seeding equipment

combination seed drills

disc, rotary & tail mowers

rakes & tedders

balers/wrappers combination

bale wrappers

mineral fertilization

manure fertilization

potato technology

transport

protection

storage



ROOK VARIO S 5

STANDARD EQUIPMENT

- » hitch axle cat. III ø36 mm
- » ø150 turntable axis
- » 160×160 mm frame
- » BIG LONG plough body with trashboard
- » bolt protection
- » non-stop 7-leaf spring protection (version S)
- » hydraulic protection (version H)
- » variable, spot-adjustable ploughing width: 40/45/50 cm for body (ROOK)
- » adjustable ploughing width: within the range 35÷50 cm (ROOK VARIO)
- » side support wheel 320/60-12 with wheel shock absorber (ROOK)
- » rear support and transport wheel 320/60-12 with wheel shock absorber (ROOK VARIO)
- » ø480 mm coulter disc with spring protection (version S / H)

MODEL	PRICE
ROOK 5+	22 800
ROOK 5+1	25 100
ROOK VARIO 5	25 100
ROOK VARIO 6	27 700

MODEL	PRICE
ROOK S 5+	25 400
ROOK S 5+1	28 400
ROOK VARIO S 5	27 700
ROOK VARIO S 6	31 000

MODEL	PRICE
ROOK H 5+	27 400
ROOK H 5+1	31 000
ROOK VARIO H 5	29 700
ROOK VARIO H 6	33 600

ACCESSORIES AT EXTRA CHARGE

	PRICE
surcharge for 1 pair of knife coulters *	40
surcharge for 1 pair of skim coulters for crop residues	230
cylinder for 1st furrow adjustment *	790
surcharge for side support and transport wheel, 320/60-12 (without VARIO)	1 700
surcharge for rear support and transport wheel, 320/60-12 (only 5+ 1)	1 830
spring enhancement with 2 spring leaves, from 7 to 9 (one set per body)	130
filter for hydraulic hose (per pc.) *	20

ROOK

- » interbody clearance: 100 cm
- » underbeam clearance: 85 cm, 80 cm (S / H)



Support and transport wheel
ROOK VARIO in standard has got rear support and transport wheel with wide tire 320/60-12



Pantograph (beam/turntable connection)

Connection of front plow head with the frame by means of pantograph system – enables shift of the centre of gravity closer to the tractor.

ROOK	5+	5+1	VARIO 5	VARIO 6
Weight [kg]	2120	2290	2200	2390
Power demand [HP]	150÷220	200÷330	170÷240	220÷350
ROOK S	5+	5+1	VARIO 5	VARIO 6
Weight [kg]	2420	2700	2500	2800
Power demand [HP]	200÷220	230÷330	180÷240	250÷350
ROOK H	5+	5+1	VARIO 5	VARIO 6
Weight [kg]	2320	2580	2400	2680
Power demand [HP]	160÷220	230÷330	180÷240	250÷350


VIS L/XL

Semi-mounted reversible plough



VIS XLS 6+

STANDARD EQUIPMENT

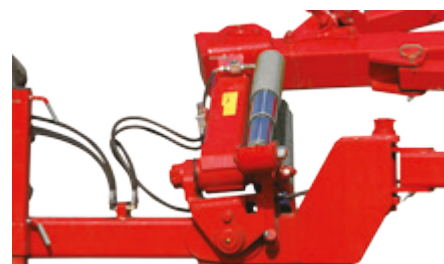
- » hitch axle: $\varnothing 70-965/\varnothing 36$ mm
- » 140×140×8 mm frame (VIS L)
- » 180×180×8 mm frame (VIS XL)
- » LONG plough body with trashboard 
- » bolt protection
- » non-stop 7-leaf spring protection (version S)
- » variable, spot-adjustable ploughing width: 36/42/48 cm for body
- » transport and support wheel, size 550/45×22.5
- » $\varnothing 480$ mm coulter disc with bolt protection
- » $\varnothing 480$ mm coulter disc with spring protection (version S)

VIS L / XL

- » interbody clearance: 100 cm
- » underbeam clearance: 85 cm, 80 cm (S)



Front head of plough is designed for demanding and modern farmers



Strong head

and easy system of turning is an advantage of two cylinders

MODEL	PRICE	MODEL	PRICE
VIS L 4+	15 700	VIS L S 4+	18 300
VIS L 4+1	17 600	VIS L S 4+1	20 900
VIS L 5+	17 600	VIS L S 5+	20 900
VIS L 5+1	19 600	VIS L S 5+1	23 500
VIS XL 6+	25 800	VIS XL S 6+	29 000
VIS XL 6+1	28 100	VIS XL S 6+1	32 300
VIS XL 7+	29 400	VIS XL S 7+	32 600
VIS XL 7+1	32 000	VIS XL S 7+1	35 900

ACCESSORIES AT EXTRA CHARGE

PRICE

surcharge for 1 pair of slatted openwork LONG bodies	430
surcharge for 1 pair of BIG LONG bodies	220
surcharge for 1 pair of knife coulters *	40
surcharge for 1 pair of extra coulter discs, spring-protected	400
surcharge for 1 pair of skim coulters for crop residues	230
mechanical beam for secondary tillage tool *	790
hydraulic beam for secondary tillage tool *	1 110
surcharge for front support wheel 360/65-16 (instead of front plough head) *	850
spring enhancement with 2 spring leaves, from 7 to 9 (one set per body)	130
filter for hydraulic hose (per pc.) *	20

VIS L	4+	4+1	5+	5+1	S 4+	S 4+1	S 5+	S 5+1
Weight [kg]	2700	2950	2980	3230	3030	3250	3280	2590
Power demand [HP]	120÷140	140÷160	140÷160	160÷180	130÷150	140÷170	140÷170	170÷190
VIS XL	6+	6+1	7+	7+1	S 6+	S 6+1	S 7+	S 7+1
Weight [kg]	3260	3510	3630	3890	3620	3930	4050	4370
Power demand [HP]	170÷200	210÷270	210÷270	250÷310	180÷200	220÷280	220÷280	260÷320

VIS XM

Semi-mounted reversible plough



PLUGHS

cultivation

seeding equipment

combination seed drills

disc, rotary & tail mowers

rakes & tedders

bale wrappers combination

bale wrappers

mineral fertilization

manure fertilization

potato technology

transport

protection

storage



VIS XMS 5 + 1

STANDARD EQUIPMENT

- » hitch axle: $\varnothing 70-965/\varnothing 36$ mm
- » 140×140×8 mm frame (version 5+1)
- » 180×180×8 mm frame (version 6+1 / 7+1 / 8+1)
- » MX plough body with trashboard
- » bolt protection
- » non-stop 7-leaf spring protection (version S)
- » variable, spot-adjustable ploughing width: 35/40/45 cm for body
- » transport and support wheel, size 550/45×22.5
- » $\varnothing 480$ mm coulter disc with bolt protection
- » $\varnothing 480$ mm coulter disc with spring protection (version S)

VIS XM

- » interbody clearance: 90 cm
- » underbeam clearance: 85 cm, 80 cm (S)



Mechanism of suspension

of wheel enables transport of machine on faraway distances.

MODEL	PRICE	MODEL	PRICE
VIS XM 5+1	17 300	VIS XM S 5+1	19 900
VIS XM 6+1	19 900	VIS XM S 6+1	22 500
VIS XM 7+1	24 500	VIS XM S 7+1	27 100
VIS XM 8+1	32 000	VIS XM S 8+1	34 600

ACCESSORIES AT EXTRA CHARGE

	PRICE
surcharge for 1 pair of LONG bodies	130
surcharge for 1 pair of slatted openwork LONG bodies	430
surcharge for 1 pair of knife coulters	40
surcharge for 1 pair of extra coulter discs, $\varnothing 480$ mm, spring-protected (only version S)	490
surcharge for 1 pair of skim coulters for crop residues	230
mechanical beam for secondary tillage tool	790
hydraulic beam for secondary tillage tool	1 110
surcharge for front support wheel 360/65-16 (instead of front plough head) *	850
spring enhancement with 2 spring leaves, from 7 to 9 (one set per body)	130



VIS in transport position.



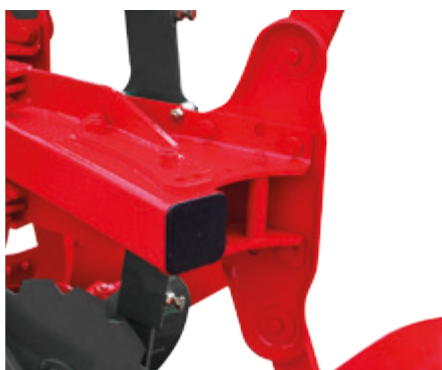
Perfect cover by crop residues.



Transport blockade.

VIS XM	5+1	6+1	7+1	8+1
Weight [kg]	2900	3150	3400	3600
Power demand [HP]	160÷180	180÷210	210÷250	250÷310
VIS XM S	5+1	6+1	7+1	8+1
Weight [kg]	3260	3570	3880	4140
Power demand [HP]	160÷180	180÷210	220÷260	250÷320

SAFETY DEVICES



BOLT PROTECTION

an effective protection with a bolt sheared when the ploughshare encounters resistance of 1200kg. This protection can be used on light soils, stone-free and with small amount of obstacles in the field.



SPRING LEAF PROTECTION (S)

"A maintenance-free protection made of steel spring leaves that allow effective tilting of body when the ploughshare encounters resistance of 1300kg and returning to the preset working depth after the obstacle bypassing. They are recommended for heavy and stony soils, with great number of obstacles in the field. The resistance force of the protection can be increased by adding additional spring leaves (depending on the machine type, 5, 7 or 9-leaf springs are available)."

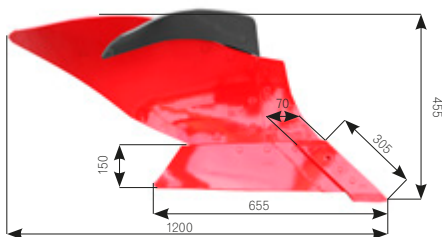


HYDRAULIC PROTECTION (H)

A maintenance-free solution that allows adjustment of the protection force and thus, adaptation to the field conditions. Pressure adjustment within the range from 70 to 140 bar.

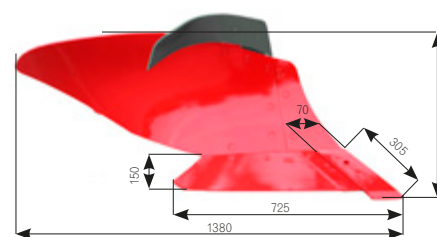


BODIES



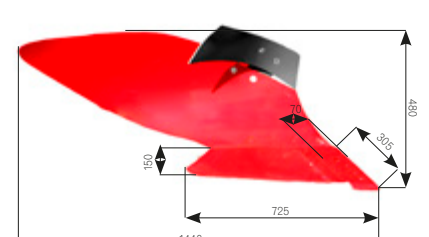
MX body with trash board

120cm long body made of hardened, brittle timber boron steel. It allows full undercut and turning the furrow-slice of up to 45 cm wide at low tillage resistance.



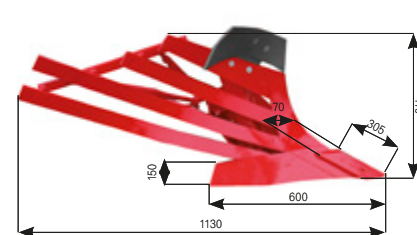
ZX body with trash board

138cm long body for heavy duty ploughs made of hardened, brittle timber boron steel. It allows full undercut and turning the furrow-slice of up to 55 cm wide at low tillage resistance.



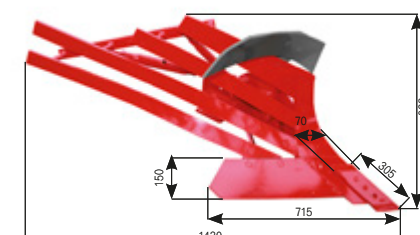
LONG body with trash board

Excellent for various tillage types and for various soil conditions, in all work conditions. The body construction allows layering of wide furrow-slices under wide wheels of the tractors used today and at the same time minimizes resistance and the tractor's power requirements.



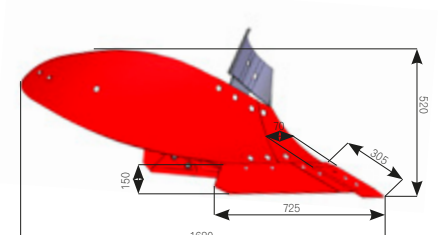
XL slatted openwork body with trash board

Excellent for very heavy, clayey and firm soils. It crushes soil very well at reduced resistance at work.



LONG slatted openwork body with trash board

Excellent for very heavy, clayey and firm soils. It crushes soil very well at reduced resistance at work.



BIG LONG body with trash board

Perfect for variety soil conditions. Its construction allows layering of wide furrow-slices and working at depth of 30 cm.

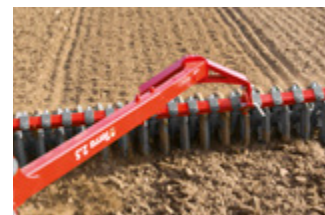
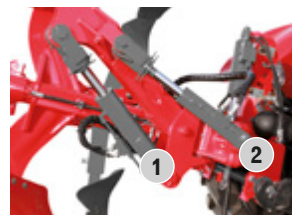


TERRA H secondary tillage roller

It is provided with hydraulic adjustment system for folding the tool for transport and pressure adjustment by shifting the plough weight between the operating sections. It can be used for soil compacting during ploughing. It is integrated with the plough when accessing the field and during operation, when rotating. As a standard, it is equipped with spiral roller with $\varnothing 470$ mm dia. and working width of 2 or 2.5 m.

At work, cylinder No. 1 lowers the roller down to the stop and for transport, the cylinder lifts the roller up.

Cylinder No. 2 is for setting the roller in proper direction. It is also designed for folding the roller, which allows containing the machine within the tractor overall dimensions above the plough.



WHEELS



Rubber side support wheel

200/60 – 14,5
(IBIS M, L, XM)
10.0/80-12
(IBIS XL, XXL, Vario)



Rear support wheel

Allows precise setting of working depth and keeping it at given level. It provides better weight distribution, and thus, increases the plough pulling power.



Side support and transport wheel

Allows taking the pressure of the tractor, during the transport and helps with transport of plough on highways.



Rear support and transport wheel

Combines advantages of side support and transport wheel with those of rear wheel. Allows precise setting of working depth, and ploughing the fields with obstacles, and also helps with transport of plough on highways.



Wide wheel

(320/60-12) Allows keeping the working depth at a preset level.

SKIMMERS AND DISC COULTERS



Skim coulters for crop residues



Coulter disc with bolt protection



Coulter disc with spring protection



Knife coulters

CULTIVATION



KOMBI 3/XL

Cultivator



KOMBI XL 4,2

STANDARD EQUIPMENT

KOMBI

- » suspension axle ø28 mm
- » front string roller, ø320 mm
- » 4 rows of SU spring tines (32×12 mm) with variable adjustment of working depth
- » double string toothed roller, ø320/280 mm with pressure control

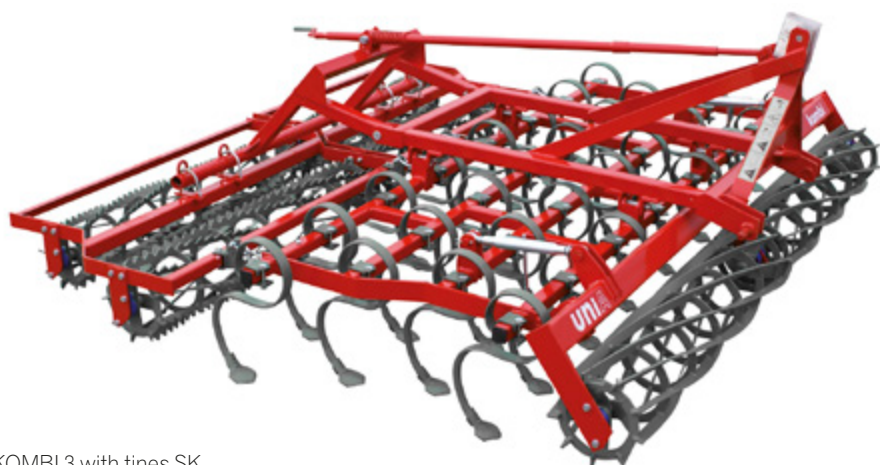
KOMBI XL

- » rigid frame
- » suspension axle with clamp ø60-825/ø28 mm (3,7 H÷5,1 H), ø60-825/ø36 mm (5,6 H)
- » track openers with spot-adjustment of working depth and spring-protected duckfoot
- » front string roller, ø320 mm
- » 3 rows of SU spring tines (32×12 mm) with variable adjustment of working depth
- » double string toothed roller, ø320/280 mm with pressure control
- » hydraulically folded for transport

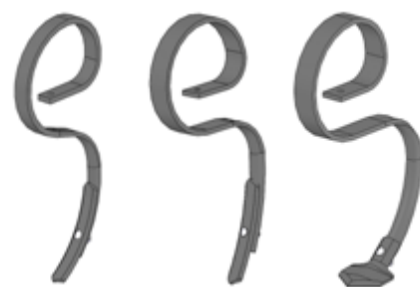
MODEL	3	XL 3,7	XL 4,2	XL 5,1	XL 5,6
KOMBI	3 000	5 700	6 400	7 700	8 300

ACCESSORIES AT EXTRA CHARGE

surcharge for a set of SK tines (45x10 mm) w. duckfoot, 100 mm	120	140	150	180	220
surcharge for a set of SV tines (45x10 mm)	150	180	200	230	270
surcharge for a suspension axle, with clamp, ø60-960/ø36 mm *	—	—	20	20	—
warning plates kit	140	170	170	170	170
warning plates kit with lamps	—	270	270	270	270



KOMBI 3 with tines SK



Tine SU

Tine SV

Tine SK

KOMBI	3	XL 3,7	XL 4,2	XL 5,1	XL 5,6
Weight [kg]	710	1290	1360	1640	1720
Power demand [HP]	60	75	90	112	150
No. of tines [pc.]	30	36	42	50	56

CERES L/XL

Cultivator with seeder coupler



ploughs

CULTIVATION

seeding
equipment

combination
seed drills

disc, rotary
& flail mowers

rakes & tedders

bales/wrappers
combination

bale
wrappers

mineral
fertilization

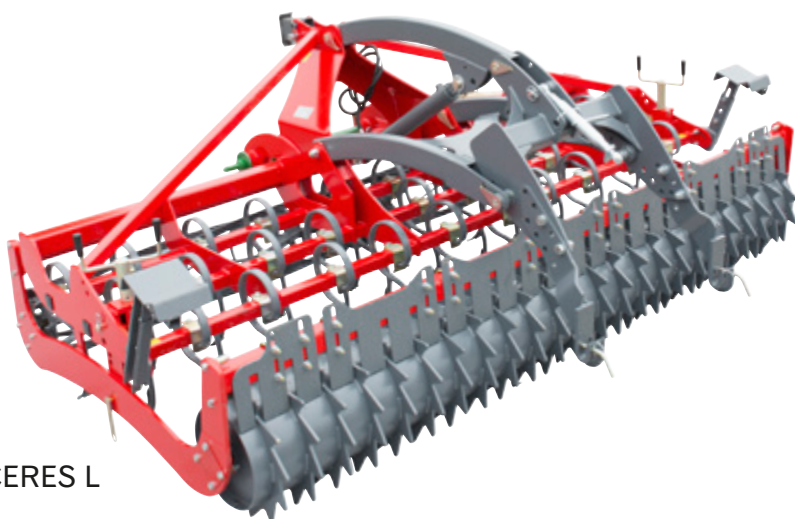
manure
fertilization

potato
technology

transport

protection

storage



CERES L

STANDARD EQUIPMENT

CERES L

- » suspension axle: $\varnothing 60-825/\varnothing 28$ mm
- » front string roller, $\varnothing 300$ mm
- » two rows of SU tines – CERES L2
- » three rows of SU tines – CERES L3
- » seeder lift with one cylinder
- » supports for seeder wheels
- » screw coupler for seeder

CERES XL

- » suspension axle: $\varnothing 60-825/\varnothing 28$ mm
- » front segmented string roller, $\varnothing 300$ mm
- » three rows of SV heavy duty tines
- » seeder lift with one cylinder
- » supports for seeder wheels
- » screw coupler for seeder

MODEL	2,5	2,7	3,0
CERES L 2S	3000	3100	3300
CERES L 2R	3100	3300	3500
CERES L 2P	3600	3900	4300

MODEL	2,5	2,7	3,0
CERES L 3S	—	3500	3600
CERES L 3R	—	3600	3800
CERES L 3P	—	4300	4400

MODEL	2,5	2,7	3,0
CERES XL 3R	—	—	4600
CERES XL 3P	—	—	5100
CERES XL 3C	—	—	6100
CERES XL 3G	—	—	6400

ACCESSORIES AT EXTRA CHARGE

surcharge for a suspension axle, $\varnothing 60-965/\varnothing 36$ mm *

20

VERSION CERES L

CERES XL

S	String roller	320 mm		
R	Pipe roller	450 mm	Pipe roller	517 mm
P	Packer roller	464 mm	Packer roller	500 mm
C			Crosskill roller	400 mm
G			Rubber roller	500 mm



CERES XL



Tine SU

Tine SV

CERES	L					XL
Working width [m]	2,5	2,7	3,0	2,7	3,0	3,0
Weight with rear string roller [kg]	560	595	615	620	650	—
Weight with $\varnothing 500$ pipe roller [kg]	—	—	—	—	—	850
Power demand [HP]	45	60	60	75	75	80
No. of tine rows/types of tines [pc.]	two rows / SU			three rows / SU		three rows / SV
No. of tines [pc.]	18	20	22	27	27	32

MAX

Tine cultivator



MAX H 4

STANDARD EQUIPMENT

- » suspension axle:
ø60-825/ø28 mm (versions 3÷4 H),
ø70-825/ø36 mm (4,5 H ÷ 9 H)
- » front string roller, ø390 mm
- » 4-row section of SV tines
- » levelling skid behind the tine section
- » rear double string roller ø320/280 mm
- » rigid frame (version 3)
- » hydraulically folded frame (versions 4 H-9 H)
- » pressing system on all sections
- » toothed rear skid (only with alternative roller Crosskill/Crosskill)

MODEL	3	H 4	H 4,5	H 6	H 7,5	H 9
MAX	5 700	7 400	8 700	11 900	15 300	20 200

ACCESSORIES AT EXTRA CHARGE

front levelling bar (instead of front string roller)	40	45	50	70	90	100
surcharge for a set of SX tines	130	170	220	250	310	380
surcharge for a set of SZ tines	130	170	220	250	310	380
surcharge for a rear Spiral roller ø470 mm *	460	590	660	850	1 080	1 280
surcharge for a rear double Crosskill roller, ø320/320 mm *	220	250	360	430	490	560
surcharge for a rear Crosskill / String roller *	400	490	720	850	950	1 050
chassis with wheels 340/55-16 i and 2 100 mm long drawbar	—	—	5 770	5 770	—	—
chassis with wheels 480/45-17 and 2 100 mm long drawbar *	—	—	—	—	—	8 640
set of track openers (only with chassis)	—	—	580	580	—	580
surcharge for a suspension axle, ø60-825/ø36 mm * (version 3÷4H) *	20	20	—	—	—	—
surcharge for a suspension axle, ø70-960/ø36 mm * (version H 4,5÷H9) *	—	—	20	20	20	20
warning plates kit	170	230	230	230	230	230
warning plates kit with lamps	230	330	330	330	330	330



MAX with SZ tines



MAX with SX spring tines



Tractor tracks openers

loosen the tramlines behind the tractor wheels

MAX	3	H 4	H 4,5	H 6	H 7,5	H 9
Weight without roller [kg]	1 400	1 900	2 200	2 700	4 500	5 500
Power demand [HP]	90 ÷ 100	110 ÷ 130	120 ÷ 150	160 ÷ 180	200 ÷ 220	240 ÷ 260
No. of standard tines SV [pc.]	32	36	48	64	80	96
No. of SX / SZ tines [pc.]	12	18	20	24	30	36

MAX T

Disc cultivator



PLUGHS

CULTIVATION

seeding
equipment

combination
seed drills

disc, rotary
& tillage mowers

rakes & tedders

bale wrappers
combination

bale wrappers

manure
fertilization

manure
fertilization

technika
ziemiaczana

transport

protection

storage



MAX T H 4,5

STANDARD EQUIPMENT

- » suspension axle:
 - ø 60-825/ø 28 mm (version 3)
 - ø 60-825/ø 36 mm (4 H)
 - ø 70-825/ø 36 mm (4,5H-9H)
- » two rows of AGGRESSIVE discs ø 460 mm
- » levelling skid behind the tine section
- » rear double string roller ø320/280 mm
- » rigid frame (version 3)
- » hydraulically folded frame (versions 4 H-9 H)
- » pressing system on all sections
- » toothed rear skid (only with alternative roller Crosskill/Crosskill)

MODEL	3	H 4	H 4,5	H 6	H 7,5	H 9
MAX T	7 400	10 600	12 200	14 900	18 100	24 500

ACCESSORIES AT EXTRA CHARGE

surcharge for a rear Spiral roller ø470 mm*	460	590	660	850	1 080	1 280
surcharge for a rear double Crosskill roller, ø320/320 mm *	230	270	360	430	490	560
surcharge for a rear Crosskill / String roller *	400	490	720	850	950	1 050
chassis wwith wheels 340/55-16 and 2 100 mm long drawbar * (4,5÷6H)	—	—	5 770	5 770	—	—
chassis with wheels 480/45-17 and 2 100 mm long drawbar * (9H)	—	—	—	—	—	8 640
set of track openers (only with chassis) *	—	—	590	590	—	590
surcharge for a suspension axle, ø60-825/ø36 mm (version 3÷4H) *	20	20	—	—	—	—
surcharge for a suspension axle, ø70-960/ø36 mm (version 4,5÷9H) *	—	—	20	20	20	20
warning plates kit	170	230	230	230	230	230
warning plates kit with lamps	230	330	330	330	330	330



MAX T, semi-mounted disc unit in transport



MAX T, semi-mounted disc unit version

MAX T	3	H 4	H 4,5	H 6	H 7,5	H 9
Weight without roller [kg]	1 650	2 200	2 400	3 100	5 500	6 400
Power demand [HP]	90÷110	130÷150	150÷180	180÷200	230÷240	250÷280
No. of discs [pc.]	24	30	36	48	60	72

ATLAS

Semi-mounted tine (ATLAS) or disc (ATLAS T) cultivator



ATLAS 3

STANDARD EQUIPMENT

ATLAS


- » semi-mounted axles
675/ø28 – 825/ø28 mm (version 3)
825/ø28 – 965/ø36 mm (version 4)
- » front adjustable levelling bar
- » front string roller, ø390 mm
- » 2-row section of SX spring tines
- » central levelling bar
- » double Crosskill roller, ø400 mm
- » rear toothed skid
- » rigid frame
- » carriage with wheels size 340/55-16

ATLAS T

- » suspension axle
675/ø28 mm (version 3 T)
825/ø28 mm (version 4 T)
- » 2 rows of AGGRESSIVE 460/4 toothed discs protected with 35x160 mm shock absorbers
- » double Crosskill roller, ø400 mm
- » rear toothed skid
- » solid rigid frame with wheels size 340/55-16

MODEL	3	4	T 3	T 4
ATLAS	9800	12400	11400	14400

ACCESSORIES AT EXTRA CHARGE

replacement of front levelling bar with a set of track openers	40	40	—	—
surcharge for a set of SZ tines	20	20	—	—
ATLAS System (coupler + seeder hydraulic system) *	490	490	490	490
1 point hydraulic depth adjustment 	530	530	530	530
surcharge for a front Packer roller system	1470	1470	1470	1470
surcharge for suspension axle 825/ø28 – 965/ø36 mm	20	—	20	—
surcharge for suspension axle 825/ø36 – 965/ø36 mm	—	20	—	20
warning plates kit	170	170	170	170
warning plates kit with lamps	270	270	270	270



disc Aggressive 460



Tine SX



Tine SZ

ATLAS	3	4	T 3	T 4
Weight [kg]	2 150	2 550	2450	2900
Power demand [HP]	70÷90	90÷120	80÷100	100÷130
No. of SX / SZ tines [pc.]	12	16	—	—
No. of discs [pc.]	—	—	24	32
Spacing between rows of discs [cm]	—	—	77	77

ATLAS HP

Semi-mounted tine (ATLAS HP) or disc (ATLAS T HP) cultivator



PLUGHS

CULTIVATION

seeding equipment

combination seed drills

disc, rotary & tillage mowers

rakes & tedders

balers/wrappers combination

balers & bale wrappers

manure fertilization

manure fertilization

technika ziemniaczana

transport

protection

storage



ATLAS 6HP with tines SX

STANDARD EQUIPMENT

ATLAS HP

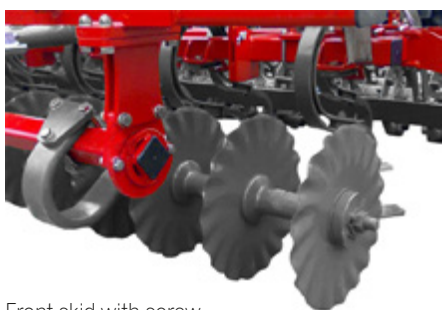
- » semi-mounted axle, 825/ø36 mm
- » front levelling bar
- » front string roller ø390 mm
- » 2-row section of SX spring tines
- » levelling bar
- » double Crosskill roller, ø400 mm
- » track openers with depth adjustment
- » frame with wheels size 480/45-17 (4,5÷10 HP)
- » air brake (6÷8 HP)
- » hydraulically folded for transport
- » transport width of the 10 HP version is 4m

ATLAS T HP

- » 825/ø36 mm suspension axle
- » 2 rows of AGGRESSIVE 460/4 toothed discs protected with 35x160 mm shock absorbers
- » double Crosskill roller, ø400 mm
- » rear toothed skid
- » chassis with wheels size 480/45-17 (4,5÷10 HP)
- » air brake (6÷8 HP)
- » hydraulically folded for transport

MODEL	4,5	6	8	10
ATLAS HP	21 200	25 800	34 200	37 500
ATLAS T HP	24 500	29 000	37 500	—

ACCESSORIES AT EXTRA CHARGE	HP 4,5	HP 6	HP 8	HP 10	T HP 4,5	T HP 6	T HP 8
surcharge for a set of SZ tines	20	20	40	50	—	—	—
ATLAS System (coupler + seeder hydraulic system) *	490	490	—	—	490	490	—
surcharge for a semi-mounted axle, 965/ø36 mm *	20	20	20	20	20	20	20
surcharge for a wide chassis, 3.4 m	—	—	70	—	—	—	70
3 points hydraulic depth adjustment	950	950	950	—	950	950	950
front disc harrow (harrow D) instead of the front roller	5 220	6 520	7 820	9 780	—	—	—
warning plates kit	270	270	270	270	270	270	270
warning plates kit with lamps	490	490	490	490	490	490	490



Front skid with screw adjustment



Tine SX



Tine SZ

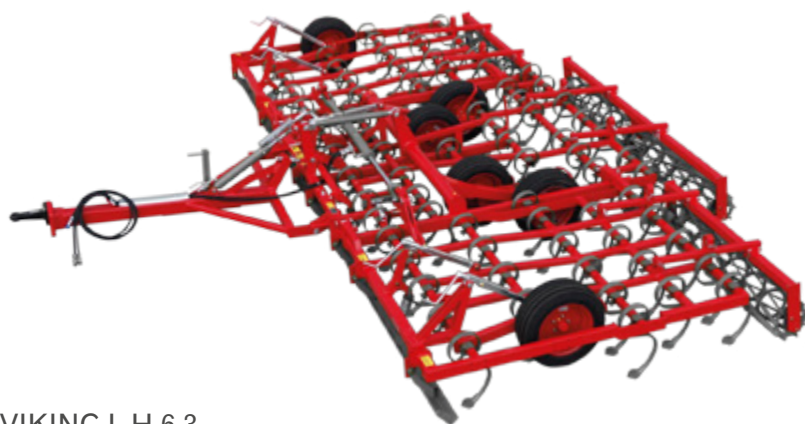


Disc Aggressive 460

ATLAS	HP 4,5	HP 6	HP 8	HP 10	T HP 4,5	T HP 6	T HP 8
Weight [kg]	3500	4400	5300	5900	3700	4600	6100
Power demand [HP]	150÷180	170÷210	200÷230	220÷260	160÷190	180÷220	210÷240
No. of SX / SZ tines [pc.]	18	24	32	40	—	—	—
No. of discs [pc.]	—	—	—	—	36	48	64
Spacing between rows of discs [cm]	—	—	—	—	77	77	77

VIKING L

Tine cultivator



VIKING L H 6,3

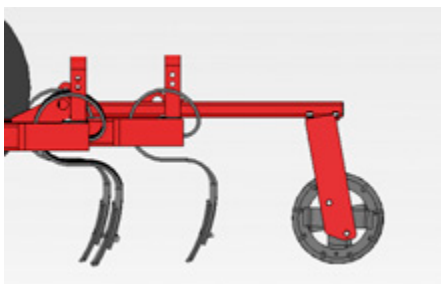
STANDARD EQUIPMENT

- » ø40 mm towing hitch
- » front levelling bar
- » 5 rows of SV (45x10 mm) spring tines
- » rear string roller, ø320 mm
- » chassis with double support and transport wheels size 200/60-14.5
- » single side wheels size 200/60-14.5 (VIKING 5,3÷6,8H)
- » double side wheels size 200/60-14,5 (VIKING 8 H)

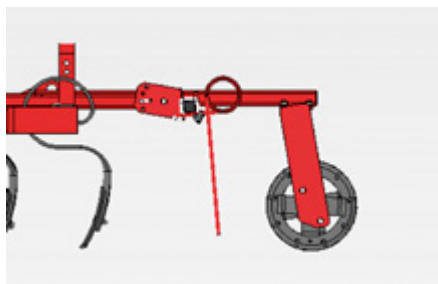
MODEL	5,3	5,8	6,3	6,8	8
VIKING L H	10800	11400	12100	12700	15300

ACCESSORIES AT EXTRA CHARGE

surcharge for a set of SK tines (45x10 mm) w. duckfoot, 100 mm	230	250	280	300	360
hydraulic spring-loaded front board (instead of levelling bar) *	3520	3880	4370	4730	5510
set of levelling fingers (in front of roller)	820	840	870	1030	1100
set of track openers *	180	180	180	180	180
surcharge for a hitch, ø50 mm *	50	50	50	50	50
warning plates kit	300	300	300	300	300
warning plates kit with lamps	510	510	510	510	510



Rear string roller, ø320 mm



ø320 string roller w. levelling fingers



Hydraulic spring-loaded front board



Towing hitch
allows precise settings of unit



Tine SV

Tine SK

VIKING L H	5,3	5,8	6,3	6,8	8
Weight [kg]	1860	1920	2000	2060	2350
Power demand [HP]	110÷140	120÷160	130÷170	155÷190	185÷225
No. of tines [pc.]	65	71	79	85	98

VIKING XL

Tine cultivator



PLUGHS

CULTIVATION

seeding
equipment

combination
seed drills

disc, rotary
& tillage mowers

rakes & tedders

balers/wrappers
combination

balers & bale
wrappers

manure
fertilization

manure
fertilization

technika
ziemniaczana

transport

protection

storage



VIKING XL H 6

STANDARD EQUIPMENT

- » ø40 mm towing hitch
- » front levelling bar
- » 4 rows of SL spring tines
- » rear string roller, ø390 mm
- » chassis with double support and transport wheels 200/60-14,5
- » single side wheels size 200/60-14,5 (VIKING XL 6 H)
- » double side wheels size 200/60-14,5 (VIKING XL 8 H)

MODEL

	6	8
VIKING XL H	14 000	17 300

ACCESSORIES AT EXTRA CHARGE

hydraulic spring-loaded front board (instead of levelling bar) *	4 400	5 510
surcharge for a hydraulic rear board (instead of roller)	4 440	5 580
surcharge for a set of track openers *	180	180
surcharge for 3-point linkage/hitch, ø50 mm *	50	50
warning plates kit	300	300
warning plates kit with lamps	510	510



Transport position



Tine SL

VIKING XL H	6	8
Weight [kg]	3 000	4 300
Power demand [HP]	160 ÷ 190	200 ÷ 230
No. of tines [pc.]	30	40

FRONT C/TL

Front-mounted cultivating units



FRONT TL 3

STANDARD EQUIPMENT

FRONT C:

- » suspension axle: $\varnothing 60-825/\varnothing 28$ mm
- » pendulous frame
- » 2 rows of $\varnothing 560$ mm corrugated discs
- » set of scrapers between the discs

FRONT TL:

- » suspension axle: $\varnothing 60-825/\varnothing 28$ mm
- » rigid frame
- » 2 rows of $\varnothing 460$ mm CLASSIC toothed discs protected with shock absorbers $\varnothing 35/160$

MODEL	3	3,5	4
FRONT C	5 700	6 500	7 400
FRONT TL	4 900	5 400	5 900

ACCESSORIES AT EXTRA CHARGE

weighs 8 x 35 kg (FRONT C) *	750	750	750
support wheels (FRONT TL) *	1 310	1 310	1 310
warning plates kit	310	310	310
warning plates kit with lamps	130	130	130



FRONT C



FRONT TL

FRONT C	3	3,5	4
Weight [kg]	1060	1280	1500
Power demand [HP]	70 ÷ 90	90 ÷ 110	100 ÷ 120
Number of disc rows [pcs.]	2	2	2
No. of discs [pc.]	26	30	36

FRONT TL	3	3,5	4
Weight [kg]	790	900	980
Power demand [HP]	80 ÷ 100	90 ÷ 110	110 ÷ 130
Number of disc rows [pcs.]	2	2	2
No. of discs [pc.]	24	28	32

ARES L

Disc cultivator



PLUGHS

CULTIVATION

seeding
equipment

combination
seed drills

disc, rotary
& tillage mowers

rakes & tedders

bale & bale
wrappers

manure
fertilization

manure
fertilization

technika
ziemiaczana

transport

protection

storage



ARES L 3 DRIVE + POZNANIAK 550/3D

STANDARD EQUIPMENT

- » suspension axles:
ø60-825/ø28mm (versions 2,5÷3)
ø60-825/ø36mm (versions 3,5÷6)
- » 2 rows of ø485/4 mm CLASSIC toothed discs, protected by ø35×160mm shock absorbers
- » ø500 mm pipe roller
- » ø600 mm pipe roller (ARES L PLUS 4,5 / 6,0)
- » mechanical adjustment of working depth
- » rigid frame

ARES L:

- » Disc spacing: 64 cm
- » Disc diameter 485 mm

ARES L PLUS:

- » Replaceable maintenance-free hub
- » Disc diameter 510 mm

MODEL	2,5	3	3,5	4	4,5	6
ARES L	4 600	4 900	5 600	6 200	—	—
ARES L PLUS	5 100	5 600	6 400	7 000	13 700	16 300

ACCESSORIES AT EXTRA CHARGE

hydraulic front board (only w. DRIVE system or in semi-mounted version) *	1 540	1 890	2 220	2 580	2 900	3 590
DRIVE system w. 1 800 mm long drawbar	—	4 050	4 890	5 540	5 870	7 270
surcharge for a set of AGRESSIVE discs ø485/4 mm	130	170	210	230	270	360
chassis w. wheels 10.0/80-12 and 1 800 mm long drawbar *	3 750	3 750	3 750	3 750	3 780	5 150
chassis w. wheels 480/45-17 and 2 200 mm long drawbar and air brake	—	—	—	—	5 220	5 220
surcharge for a set of side deflectors *	310	310	310	310	310	310
seeder mounting kit (internal deflector, supports, coupling screw) *	590	590	—	590	—	—
HYDROPAK – seeder coupler *	1 310	1 310	—	1 310	—	—
hydraulic adjustment of the working depth (4 points adjustable)	—	—	—	—	1 310	1 310
surcharge for suspension axle, ø60-825/ø36mm (version 2.5÷3) *	20	20	—	—	—	—
surcharge for suspension axle, ø60-965/ø36mm (version 3.5÷6) *	—	—	20	20	20	20
surcharge for polyurethane shock absorber (one set per disc)	20	20	20	20	20	20
warning plates kit	170	170	270	270	270	270
warning plates kit with lamps	270	270	270	270	490	490
possibility of mounting the ETA seeder						
rollers acc. to table ROLLERS LIST (page 45–47)						



L 485
Classic



L 485
Aggressive



ARES L
with coupler for seeder



ARES L
with carriage

ARES L	2,5	3	3,5	4	4,5	6
Weight with ø500 mm pipe roller [kg]	900	1 000	1 150	1 280	2 950	3 420
Power demand [HP]	75÷90	80÷100	100÷120	110÷130	150÷180	170÷210
No. of discs [pc.]	20	24	28	32	36	48
Spacing between rows of discs [cm]	64	64	64	64	64	64

ARES XL

Disc cultivator



ARES XL 3 + ETA 200

STANDARD EQUIPMENT

- » suspension axle: $\varnothing 70-825/\varnothing 36$ mm
- » 2 rows of $\varnothing 560/4$ mm CLASSIC toothed discs, protected by $\varnothing 35 \times 190$ mm or $\varnothing 42 \times 160$ mm shock absorbers (version 4H)
- » maintenance-free hub with triple lip seals
- » $\varnothing 600$ mm pipe roller
- » mechanical adjustment of working depth
- » row of spring levelling fingers
- » rigid frame (versions 3÷4)
- » hydraulically folded frame (versions H 4 ÷ H 7,5)

MODEL	3	3,5	4	H 4	H 4,5	H 6	H 7,5
ARES XL	7 800	8 800	9 800	12 700	14 700	17 300	19 600

ACCESSORIES AT EXTRA CHARGE

surcharge for a set of AGRESSIVE discs, $\varnothing 560/4$ mm	170	200	230	230	250	330	410
surcharge for a set of Vibro discs holders type $\varnothing 560/4$ mm	230	330	430	—	—	—	—
surcharge for a set of side deflectors *	460	460	460	460	460	460	460
hydraulic front board (only in semi-mounted or Drive versions)	1 890	2 250	2 610	—	3 000	3 590	—
DRIVE System	4 080	5 060	5 800	—	6 360	7 500	—
set of front support wheels (only in semi-mounted version without board) *	1 800	1 800	1 800	—	1 800	1 800	1 800
hydraulic adjustment of working depth (2 adjustment points)	660	660	660	—	—	—	—
hydraulic adjustment of working depth (4 adjustment points)	—	—	—	1 310	1 310	1 310	1 310
chassis w. wheels 340/55-10 and 2 200 mm long drawbar *	3 750	3 750	3 750	—	—	—	—
chassis w. wheels 480/45-17 and 2 200 mm long drawbar and air brake	—	—	—	—	5 220	5 220	5 220
surcharge for 3 600 mm long drawbar *	—	—	—	—	200	200	200
surcharge for suspension axle, $\varnothing 70-825/\varnothing 28$ mm *	20	—	—	—	—	—	—
surcharge for suspension axle, $\varnothing 70-965/\varnothing 36$ mm *	—	20	20	—	20	20	20
surcharge for polyurethane shock absorber (one set per disc)	30	30	30	30	30	30	30
warning plates kit	170	170	170	270	270	270	270
warning plates kit with lamps	270	270	270	490	490	490	490
possibility of mounting the seeder ETA							
rollers acc. to table ROLLERS LIST (page 45–47)							

ARES XL	3	3,5	4	H 4	H 4,5	H 6	H 7,5
Weight with roller [kg]	1 530	1 690	1 920	2 800	2 970	3 450	4 650
Power demand [HP]	110 ÷ 130	120 ÷ 140	120 ÷ 150	130 ÷ 160	150 ÷ 180	170 ÷ 210	190 ÷ 260
No. of discs [pc.]	24	28	32	32	36	48	60
Spacing between rows of discs [cm]	80	80	80	80	80	80	80

ARES XL A **NEW**



PLUGHS

CULTIVATION

seeding
equipment

combination
seed drills

disc, rotary
& tillage mowers

rakes & tedders

balers/wrappers
combination

balers & bale
wrappers

manure
fertilization

manure
fertilization

technika
ziemiaczana

transport

protection

storage

Disc cultivator for application of slurry manure



ARES XL A H 6

STANDARD EQUIPMENT

- » suspension axle: $\varnothing 70-825/\varnothing 36$ mm
- » 2 rows of $\varnothing 560/4$ mm CLASSIC toothed discs, protected by $\varnothing 35 \times 190$ mm or $\varnothing 42 \times 160$ mm shock absorbers (version 4H)
- » maintenance-free hub with triple lip seals
- » mechanical adjustment of working depth
- » rigid frame (versions 3÷4)
- » hydraulically folded frame (versions H 4,5 ÷ H 7,5)

MODEL	3	3,5	4	H 4,5	H 6	H 7,5
ARES XL A	7 000	7 800	8 600	12 700	14 700	16 800

ACCESSORIES AT EXTRA CHARGE

surcharge for pipe roller o600	1 140	1 310	1 540	1 860	2 500	3 100
surcharge for a set of AGGRESSIVE discs, $\varnothing 560/4$ mm	170	200	230	250	330	410
surcharge for a set of levelling fingers	330	380	430	490	660	820
surcharge for a set of side deflectors *	460	460	460	460	460	460
set of front double support wheels	1 800	1 800	1 800	1 800	1 800	1 800
set of slurry distributor Dosimat LVX	4 140	4 400	4 500	—	—	—
set of slurry distributor ExaCut ECL	—	—	—	6 330	6 420	6 590
surcharge for suspension axle, $\varnothing 70-965/\varnothing 36$ mm	20	20	20	20	20	20
surcharge for polyurethane shock absorber (one set per disc)	30	30	30	30	30	30
warning plates kit	170	170	170	270	270	270
warning plates kit with lamps	270	270	270	490	490	490



Distributing pipes



Front support wheels



EXA CUT

Distributor for slurry manure

ARES XL A	3	3,5	4	H 4,5	H 6	H 7,5
Weight [kg]	1 230	1 400	1 600	2 550	3 000	3 840
Power demand [HP]	110 ÷ 130	120 ÷ 140	120 ÷ 150	150 ÷ 180	170 ÷ 210	190 ÷ 250
No. of discs [pc.]	24	28	32	36	48	60
Spacing between rows of discs [cm]	80	80	80	80	80	80

ARES ROLLER UP

Disc cultivator



ARES TX ROLLER UP

STANDARD EQUIPMENT

- » suspension axle: 825/ø36 mm
- » 2 rows of ø560/4 mm CLASSIC discs, protected by 42x160 mm shock absorbers (ARES XL 560)
- » 2 rows of ø560/4 mm CLASSIC discs, protected by 52x160 mm shock absorbers (ARES XXL 660)
- » 2 rows of ø660/6 mm CLASSIC discs, spring-protected (ARES TX)
- » 2 rows of ø610/660/6 mm CLASSIC discs, spring-protected (ARES TWIX)
- » ø600 mm pipe roller
- » disc spacing: 80 cm (XL 560)
105 cm (XXL, TX, TWIX)
- » rigid frame
- » hydraulic adjustment of working depth
- » row of spring levelling fingers (XL)

MODEL	XL	XXL	TX	TWIX
ROLLER UP 3	8200	8900	10600	11500

ACCESSORIES AT EXTRA CHARGE

surcharge for a set of side deflectors *	460	460	460	460
surcharge for a set of AGRESSIVE discs (XL, XXL, TX)	170	170	170	170
surcharge for polyurethane shock absorber (one set per disc)	30	40	40	40
warning plates kit	130	130	130	130
warning plates kit with lamps	270	270	270	270
rollers acc. to table ROLLERS LIST (page 45–47)				



TX 660 Classic



XL 560 Classic



XXL 660 Classic



TX 660 Aggressive



XL 560 Aggressive /
XXL 660 Aggressive



TWIX

ARES XL ROLLER UP

System for folding roller on the machine allowing the transfer of the centre of gravity closer to the tractor during transport.

ARES ROLLER UP 3	XL	XXL	TX	TWIX
Weight with roller [kg]	1920	2000	2320	2380
Power demand [HP]	110 ÷ 130	130 ÷ 150	130 ÷ 150	130 ÷ 150
No. of discs [pc.]	24	24	24	24
Spacing between rows of discs [cm]	80	105	105	105

ARES P XXL / TX / TWIX

Cultivating unit



PLUGHS

CULTIVATION

seeding
equipment

combination
seed drills

disc, rotary
& tillage mowers

rakes & tedders

balers/wrappers
combination

balers & bale
wrappers

manure
fertilization

manure
fertilization

technika
ziemniaczana

transport

protection

storage



ARES P LONG TWIX 3

STANDARD EQUIPMENT

- » suspension axle: 825/ø36 mm
- » 2 rows of ø660/6 mm CLASSIC discs, protected by 52×160 mm polyurethane shock absorbers (ARES P XXL)
- » 2 rows of ø660/6 mm CLASSIC discs, spring-protected (ARES P TX)
- » 2 rows of double ø660/610 mm AGGRESSIVE discs, spring-protected (ARES TWIX)
- » ø600 mm pipe roller
- » disc spacing: 120 cm
- » mechanical adjustment of working depth
- » rigid, semi-mounted frame
- » chassis with wheels size 340/55-16

MODEL	3	3 DRIVE	3,5	4	4 DRIVE
ARES P XXL	12 100	13 700	13 100	13 700	15 700
ARES P TX	13 700	15 300	15 300	17 000	18 900
ARES P TWIX	14 700	16 300	—	18 000	19 900

ACCESSORIES AT EXTRA CHARGE

	3	3,5	4
surcharge for a set of AGGRESSIVE discs 660/6 mm (ARES P XXL, TX)	170	200	230
surcharge for a set of side deflectors *	460	460	460
hydraulic adjustment of working depth (2 adjustment points)	660	660	660
surcharge for LONG package (version 3 and 4)	2 380	—	2 940
surcharge for hitch, ø40 mm *	40	40	40
surcharge for hitch, ø50 mm *	50	50	50
warning plates kit	200	200	200
warning plates kit with lamps	300	300	300
rollers acc. to table ROLLERS LIST (page 45–47)			



TX 660
Aggressive



TX 660
Classic



XXL 660
Aggressive



XXL 660
Classic



TWIX



PACKAGE LONG
Tine with narrow
blade

ARES P	3	3,5	4	3 LONG	4 LONG
Weight P XXL [kg]	2720	2900	3130	3165	3900
Weight P TX [kg]	3340	3720	4100	3790	4790
Weight P TWIX [kg]	3420	3820	4210	3870	4900
Power demand [HP]	130÷150	135÷160	140÷170	180÷210	210÷250
No. of discs [pc.]	24	28	32	24	32
Spacing between rows of discs [cm]	120	120	120	164	164
No. of tines (ARES P XXL LONG) [pc.]	—	—	—	4	6

ARES HP XL / XXL / TX / TWIX

Disc cultivator



ARES HP TX 6

STANDARD EQUIPMENT

- » suspension axle: 965/ø36 mm
- » 2 rows of ø560/6 mm CLASSIC discs, protected by 51×150 mm polyurethane shock absorbers (ARES HP XL)
- » 2 rows of ø660/6 mm CLASSIC discs, protected by 51×150 mm polyurethane shock absorbers (ARES HP XXL)
- » 2 rows of ø660/6 mm CLASSIC discs, spring-protected (ARES HP TX)
- » 2 rows of double ø660/610 mm AGGRESSIVE discs, spring-protected (ARES HP TWIX)
- » ø600 mm pipe roller
- » mechanical adjustment of working depth
- » hydraulically folded frame with 4 cylinders
- » cylinder of drawbar adjustment
- » chassis with air brake and wheels size 550/45-22.5

MODEL

	5	6	8
ARES HP XL	27 700	29 700	33 600
ARES HP XXL	28 400	30 200	35 500
ARES HP TX	31 600	33 300	—
ARES HP TWIX	32 300	33 900	—

ACCESSORIES AT EXTRA CHARGE

surcharge for a set of AGGRESSIVE discs 560/4 mm (ARES HP XL)	300	360	430
surcharge for a set of AGGRESSIVE discs 660/6 mm (ARES HP XXL, TX)	280	330	460
set of front support wheels *	1 800	1 800	1 800
surcharge for a set of side deflectors *	460	460	460
surcharge for a set of rear deflector behind the second row of discs*	820	980	1 310
hydraulic adjustment of working depth (4 adjustment points)	1 310	1 310	1 310
surcharge for hydraulic brakes *	200	200	200
surcharge for hitch, ø40 mm *	40	40	40
surcharge for hitch, ø50 mm *	50	50	50
warning plates kit with lamps	490	490	490
rollers acc. to table ROLLERS LIST (page 45–47)			
possibility of mounting the seeder ETA			



XL 560
Classic



XL 560
Aggressive



XXL 660
Classic



XXL 660
Aggressive



TX 660
Classic



TX 660
Aggressive



TWIX

ARES HP:

- » Disc spacing:
120 cm

ARES	5	6	8
Weight HP XL [kg]	6150	6570	8000
Weight HP XXL [kg]	6200	6570	8060
Weight HP TX [kg]	6680	7260	—
Weight HP TWIX [kg]	7070	7500	—
Power demand [HP]	220÷230	240÷260	260÷280
No. of discs (HP XL/ HP XXL/HP TX/HP TWIX) [pc.]	40	48	64
Spacing between rows of discs [cm]	120	120	120

CUT L / XL / XXL

Disc harrow



PLUGHS

CULTIVATION

seeding
equipment

combination
seed drills

disc, rotary
& tillage mowers

rakes & tedders

balers/wrappers
combination

balers & bale
wrappers

manure
fertilization

manure
fertilization

technika
ziemiopracowa

transport

protection

storage



CUT XXL

STANDARD EQUIPMENT

CUT L, CUT XL

- » suspension axles:
ø60-825/ø28mm (versions 2,3÷2,8)
ø60-825/ø36mm (versions 3,2÷3,9)
- » Frame:
100×100×6 mm (CUT L),
120×120×8 mm (CUT XL)
- » 4 sections of discs in „X” arrangement
- » ø510x4 mm or ø560x4 mm toothed discs (CUT L)
- » ø610x6 mm or ø660x6 mm toothed discs (CUT XL)

CUT XXL

- » semi-mounted axle, 960/ø36 mm
- » 4 sections of discs in „X” arrangement
- » ø660x6 mm toothed discs
- » ø600 mm pipe roller
- » hydraulically folded frame

MODEL	2,3	2,8	3,2	3,9
CUT L ø510	3 100	3 800	4 600	—
CUT L ø560	3 800	4 600	5 200	6 200
CUT XL ø610	—	7 200	7 800	8 500
CUT XL ø660	—	8 200	9 000	9 800

MODEL	5	6	7
CUT XXL Ø660	23 500	26 700	30 000

ACCESSORIES AT EXTRA CHARGE CUT L / XL

surcharge for central tine, L *	280
surcharge for central tine, XL *	300
set of side deflectors	460
chassis w. drawbar	2 840
seeder coupler (semi-mounted version) *	530
surcharge for suspension axle, ø60-825/ø36 mm *	20
warning plates kit	130
warning plates kit with lamps	230
rollers acc. to table ROLLERS LIST (page 45–47)	
possibility of mounting the seeder ETA	

ACCESSORIES AT EXTRA CHARGE CUT XXL

hydraulic adjustment of working depth (2-point) *	660
set of side deflectors	490
surcharge for hitch, ø40 mm *	40
surcharge for hitch, ø50 mm *	50
warning plates kit with lamps	490
rollers acc. to table ROLLERS LIST (page 45–47)	

CUT L	2,3×510	2,3×560	2,8×510	2,8×560	3,2×510	3,2×560	3,9×560
Weight without roller [kg]	750	780	790	820	880	920	1 000
Power demand [HP]	60÷80	60÷80	70÷95	75÷100	85÷110	85÷110	110÷140
No. of discs [pc.]	20	20	24	24	28	28	28

CUT XL	2,8×610	2,8×660	3,2×610	3,2×660	3,9×610	3,9×660
Weight without roller [kg]	1 270	1 360	1 380	1 500	1 500	1 620
Power demand [HP]	80÷105	85÷110	95÷120	100÷125	125÷160	130÷165
No. of discs [pc.]	24	24	28	28	36	36

CUT XXL	5×660	6×660	7×660
Weight/weight with water [kg]	5 650/6 150	5 900/6 400	6 150/6 650
Power demand [HP]	170÷210	180÷240	200÷270
No. of discs [pc.]	44	52	60

TERIS L/LH **NEW**

Secondary tillage roller



TERIS L

TERIS L H

STANDARD EQUIPMENT

TERIS L (2,5÷4,0 m)

- » suspension:
ø60-825/ø28 mm (2,5÷3),
ø60-825/ø36 mm (3,5÷4,0)
- » Cambridge ring ø530 mm
- » front 3-point linkage

TERIS LH (4,3÷6,3 m)

- » suspension axle:
ø60-825/ø36 mm (4,3÷6,3)
- » Cambridge ring ø530 mm
- » vertical folded for transport position with hydraulic transport blokage
- » ground-following system

MODEL	2,5	3,0	3,5	4,0
TERIS L CAMBRIDGE	2600	3000	3500	3900
TERIS L CAMBRIDGE F	3000	3300	3800	4300
TERIS L CROSSKILL	2300	2500	3300	3500

MODEL	4,3	5,3	6,3
TERIS LH CAMBRIDGE	6700	7700	8700
TERIS LH CAMBRIDGE F	7000	8200	9200
TERIS LH CROSSKILL	6100	6900	7700

ACCESSORIES AT EXTRA CHARGE TERIS

front skid with screw adjustment	570	660	820	980
front board with hydraulic adjustment	980	1 140	1 310	1 470



Rings of CAMBRIDGE roller



Rings of CAMBRIDGE F roller



Rings of CROSSKILL roller



TERIS LH in transport position



Hydraulic transport blockage integrated with folding cylinder TERIS LH



Rings of Cambridge (smooth/toothed)

TERIS L	2,5	3,0	3,5	4,0
Working width [m]	2,4	2,8	3,4	3,8
Power demand [HP]	40	50	60	80
Weight Cambridge [kg]	990	1070	1150	1290
Weight Cambridge F [kg]	1090	1190	1300	1430
Weight Crosskill [kg]	1010	1140	1230	1310

TERIS LH	4,3	5,3	6,3
Working width [m]	4,3	5,3	6,3
Power demand [HP]	80÷130	100÷150	110÷160
Weight Cambridge [kg]	2900	3050	3200
Weight Cambridge F [kg]	3070	3280	3470
Weight Crosskill [kg]	2960	3150	3290

TERIS XL H / XXL H

NEW



Secondary tillage roller



TERIS XL H 6,3

STANDARD EQUIPMENT

- » hitch axle: ø60-825/ø36 mm
- » Cambridge ring ø530 mm
- » ground-following system of extreme sections
- » position rollers system
- » rollers support legs
- » hydraulically folded for transport
- » chassis with wheels 360/65-16 (XL)
- » chassis with wheels 480/45-17 (XXL)

MODEL	4,3	5,3	6,3
TERIS XL H CAMBRIDGE	8800	9800	10800
TERIS XL H CAMBRIDGE F	9200	10300	11300
TERIS XL H CROSSKILL	8200	9000	9800

ACCESSORIES AT EXTRA CHARGE TERIS XL H

surcharge for suspension axle, ø60-925/ø 36 mm	20	20	20
front skid with screw adjustment	980	1140	1310
container for small stones	200	200	200
front board with hydraulic adjustment	1630	1800	1960
surcharge for hitch, ø40 mm *	40	40	40
surcharge for hitch, ø50 mm *	50	50	50
warning plates kit	170	170	170
warning plates kit with lamps	300	300	300

MODEL	7,3	8,3	9,5
TERIS XXL H CAMBRIDGE	14000	15700	17300
TERIS XXL H CAMBRIDGE F	14700	16300	18000
TERIS XXL H CROSSKILL	12700	14400	15800

ACCESSORIES AT EXTRA CHARGE TERIS XXL H

surcharge for suspension axle, ø60-925/ø 36 mm	20	20	20
front skid with screw adjustment	1630	1800	1960
container for small stones	200	200	200
front board with hydraulic adjustment	2450	2940	3590
surcharge for hitch, ø40 mm *	40	40	40
surcharge for hitch, ø50 mm *	50	50	50
warning plates kit	170	170	170
warning plates kit with lamps	300	300	300



Container for small stones



Hydraulic front board



Precise ground-following of particular rollers section based on swinging system.

TERIS XL H	4,3	5,3	6,3
Working width [m]	4,3	5,3	6,3
Power demand [HP]	80 ÷ 130	100 ÷ 150	110 ÷ 160
Weight Cambridge [kg]	3400	3800	4200
Weight Cambridge F [kg]	3600	4100	4500
Weight Crosskill [kg]	3520	3850	4250

TERIS XXL H	7,3	8,3	9,5
Working width [m]	7,3	8,3	9,5
Power demand [HP]	120 ÷ 170	140 ÷ 180	150 ÷ 200
Weight Cambridge [kg]	5130	5850	6630
Weight Cambridge F [kg]	5360	6140	6950
Weight Crosskill [kg]	5250	5980	6820

CROSS

Cultivator for simplified tillage



CROSS S 3 DRIVE (disc harrow B)

STANDARD EQUIPMENT

- » suspension axle $\varnothing 70-825/\varnothing 36$ mm
- » 3 rows of CX tines with pad-welded chisels with 370 mm undercutters and spring protection
- » external CX tines with raking mouldboards
- » $\varnothing 460$ mm disc harrow (type A) with rubber shock-absorption and bolt adjustment of working depth
- » $\varnothing 600$ mm pipe roller
- » hydraulic adjustment of working depth on the roller
- » rigid frame

CROSS:

- » CX tine working depth:
with undercutter: 15 cm
without undercutter: 30 cm
- » load per tine: 550 kg
- » tine spacing: 30 cm

MODEL

	3	3,5	4
CROSS S	10 300	12 200	13 400

ACCESSORIES AT EXTRA CHARGE

surcharge for a set of tines with narrow coulter	10	15	20
DRIVE 670 System with 2000 mm long drawbar	4 180	5 060	6 130
DRIVE 800 System with 2000 mm long drawbar	6 360	7 340	8 090
surcharge for drawbar w. multi-point length adjustment 2.5–3.0–3.5 m only Cross DRIVE) *	230	230	230
surcharge for hitch, $\varnothing 40$ mm (only Cross DRIVE w. adjustable drawbar length) *	40	40	40
surcharge for hitch, $\varnothing 50$ mm (only Cross DRIVE w. adjustable drawbar length) *	50	50	50
surcharge for harrow type B (only Cross DRIVE)	1 080	1 340	1 500
hydraulic adjustment of harrow type B (only Cross DRIVE)	1 140	1 140	1 140
set of front support wheels 200/60-14,5 (only Cross Drive)	1 800	1 800	1 800
surcharge for 12-tine version	1 470	—	—
surcharge for 15-tine version	—	—	1 470
warning plates kit	170	170	170
warning plates kit with lamps	300	300	300
rollers acc. to table ROLLERS LIST (page 45–47)			
possibility of mounting the seeder ETA			



CROSS S mounted with pipe roller and harrow A



DRIVE system + harrow B



Tine CX

CROSS S	3	3,5	4	3 DRIVE	3,5 DRIVE	4 DRIVE
Weight with $\varnothing 600$ mm pipe roller [kg]	1990	2380	2540	2280	2690	2860
Power demand [HP]	150÷180	160÷190	170÷200	140÷170	150÷180	170÷200
No. of tines [pc.]	10	12	13	10	12	13
Tine spacing in the machine [mm]	300	290	300	300	290	300
Underbeam clearance [cm]	850	850	850	850	850	850
Beam spacing [cm]	750	750	750	750	750	750
Length of the machine [cm]	397	397	397	430	430	430

CROSS HP

Cultivator for simplified tillage



PLUGHS

CULTIVATION

seeding
equipment

combination
seed drills

disc, rotary
& tillage mowers

rakes & tedders

balers/wrappers
combination

balers & bale
wrappers

manure
fertilization

manure
fertilization

technika
ziemniaczana

transport

protection

storage



CROSS HP 6

STANDARD EQUIPMENT

- » semi-mounted axle 965/ø36 mm
- » 4 rows of CX tines with spring protection, undercut width 370 mm
- » external CX tines with raking mouldboards
- » ø460 mm disc harrow (type A) with rubber shock-absorption and bolt adjustment of working depth
- » ø600 mm pipe roller
- » hydraulic adjustment of tines working depth
- » hydraulically folded frame for transport
- » chassis with wheels 500/45-22,5
- » front support wheels (340/55-16)

CROSS HP:

- » CX tine working depth:
with undercutter: 15 cm
without undercutter: 30 cm
- » load per tine: 550 kg
- » tine spacing: 30 cm

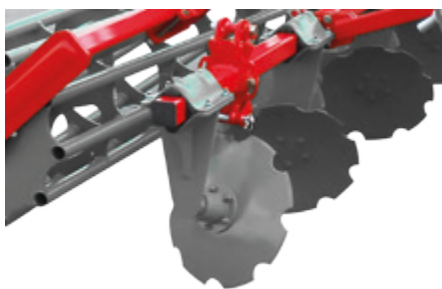
MODEL

CROSS HP

	4	5	6
	23 500	25 400	28 700

ACCESSORIES AT EXTRA CHARGE

surcharge for a set of tines with narrow coulter	20	30	40
air brakes	790	790	790
hydraulic brakes	660	660	660
surcharge for hitch, ø40 mm *	40	40	40
surcharge for hitch, ø50 mm *	50	50	50
warning plates kit	270	270	270
warning plates kit with lamps	460	460	460
rollers acc. to table ROLLERS LIST (page 45–47)			



Harrow A



Tine CX



Tine with narrow
coulter

CROSS HP	4	5	6
Weight with ø600 mm pipe roller [kg]	5200	5900	6500
Power demand [HP]	180 ÷ 240	240 ÷ 280	280 ÷ 320
No. of tines [pc.]	13	17	19
Tine spacing in the machine [mm]	300	290	305
Underbeam clearance [cm]	850	850	850
Beam spacing [cm]	750	750	750
Length of the machine [cm]	760	760	760

KOS

Skimming unit



KOS ST 3

STANDARD EQUIPMENT

- » suspension axles:
ø60-825/ø28 mm (2,1÷2,6)
or ø60-825/ø36 mm (3)
or ø70-825/ø36 mm (3,7)
- » 2 rows of KX tines with 440 mm undercutter
- » 460 mm disc harrow (type A) with gradual depth adjustment
- » ø500 mm pipe roller
- » point-adjustment of working depth on the rear roller holder
- » rigid frame

KOS:

- » working depth of KX tine with undercutter: 15 cm
- » load per tine: 320 kg
- » tine spacing: 41 cm

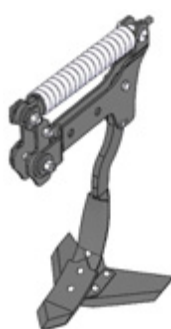
MODEL	2,1	2,6	3	3,7
KOS B	3300	3900	4300	5900
KOS S	4800	5600	6400	8100

ACCESSORIES AT EXTRA CHARGE

surcharge for suspension axle, ø60-825/ø36 mm	20	20	—	—
surcharge for T version (harrow type B)	660	750	920	1080
warning plates kit	170	170	170	170
warning plates kit with lamps	300	300	300	300
rollers acc. to table ROLLERS LIST (page 45–47)				
possibility of mounting the seeder ETA				
possibility of mounting the seeder ALFA				



KOS ST 2,1



Tine KX



KOS B 2,6

KOS	2,1	2,6	3	3,7
Weight of spring-protected version [kg]	930	1050	1200	1650
Weight of bolt-protected version [kg]	720	800	915	1270
Power demand for spring-protected version [HP]	75÷100	90÷120	115÷150	140÷180
Power demand for bolt-protected version [HP]	65÷80	80÷100	100÷140	140÷160
No. of tines [pc.]	5	6	7	9
Underbeam clearance [cm]	80	80	80	80
Distance between rows [cm]	80	80	80	80
Tine spacing [cm]	41	41	41	41



KOS SH T 5,4

STANDARD EQUIPMENT

- » suspension axle $\varnothing 70-825/\varnothing 36$ mm
- » 2 rows of KX tines with 440 mm undercutter
- » 460 mm disc harrow (type A) with gradual depth adjustment
- » $\varnothing 500$ mm pipe roller
- » point-adjustment of working depth on the rear roller holder
- » hydraulically folded frame

KOS H:

- » working depth of KX tine with undercutter: 15 cm
- » load per tine: 320 kg
- » tine spacing: 41 cm (KOS 3,7÷5,4)
- » tine spacing: 46 cm (KOS 6H)

MODEL	3,7	4,5	5,4	6
KOS B H	8 500	10 100	11 800	12 100
KOS S H	11 100	12 400	14 000	14 300

ACCESSORIES AT EXTRA CHARGE

chassis w. wheels 480/45-17, 2000 mm long drawbar and air brake	4 210	4 210	4 210	4 210
set of front support wheels 200/60-14,5 (only version w. 4.5÷6H chassis) *	—	1 800	1 800	1 800
surcharge for T version (harrow type B)	1 150	1 410	1 630	1 800
surcharge for 3-point linkage/hitch, $\varnothing 40$ mm (only version w. chassis) *	40	40	40	40
surcharge for 3-point linkage/hitch, $\varnothing 50$ mm (only version w. chassis) *	50	50	50	50
surcharge for suspension axle, $\varnothing 70-965/\varnothing 36$ mm (only mounted version) *	20	20	20	20
warning plates kit	270	270	270	270
warning plates kit with lamps	490	490	490	490
rollers acc. to table ROLLERS LIST (page 45–47)				



Harrow A



Tine KX



Harrow B

KOS H	3,7	4,5	5,4	6
Weight of spring-protected version [kg]	1950	2380	2710	2820
Weight of bolt-protected version [kg]	1560	1920	2165	2280
Power demand for spring-protected version [HP]	140÷180	170÷220	200÷260	200÷260
Power demand for bolt-protected version [HP]	130÷160	140÷190	160÷200	160÷200
No. of tines [pc.]	9	11	13	13
Underbeam clearance [cm]	80	80	80	80
Distance between rows [cm]	80	80	80	80
Tine spacing [cm]	41	41	41	46

KOS PREMIUM

Cultivator for simplified tillage



KOS PREMIUM 3 + ETA 200

STANDARD EQUIPMENT

KOS PREMIUM

- » suspension wheel track: 825/ø36 mm
- » 2 rows of CX tines with pad-welded chisels and 370 mm undercutters
- » external CX tines with raking mouldboards
- » ø460 mm disc harrow (type A) with rubber shock-absorption, mechanically adjustable
- » ø600 mm pipe roller
- » hydraulic adjustment of working depth
- » rigid frame (version 3–4)

KOS PREMIUM LONG

- » semi-mounted axle, 825/ø36 mm
- » 2 rows of CX tines with pad-welded chisels and 370 mm undercutters
- » external CX tines with raking mouldboards
- » ø460 mm disc harrow (type A) with rubber shock-absorption, mechanically adjustable
- » ø600 mm pipe roller
- » mechanical adjustment of working depth
- » rigid frame
- » chassis with wheels 340/55-16

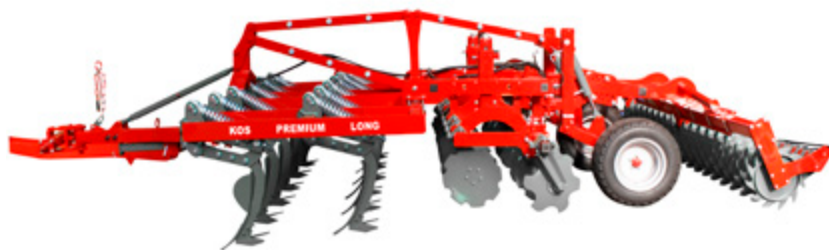
MODEL	3	3,5	4	3 LONG	4 LONG
KOS PREMIUM	7 300	8 100	8 800	9 600	11 300

ACCESSORIES AT EXTRA CHARGE

set of front support wheels *	—	—	—	1 800	1 800
surcharge for T version (harrow type B)	750	1 080	1 310	750	1 310
warning plates kit	170	170	170	170	170
warning plates kit with lamps	300	300	300	300	300
rollers acc. to table ROLLERS LIST (page 45–47)					
possibility of mounting the seeder ETA					

KOS Premium:

- » working depth of CX tine:
with undercutter: 15 cm
without undercutter: 30 cm
- » load per tine: 550 kg
- » tine spacing: 37 cm (KOS PREMIUM 3÷4)



KOS Premium Long

with CX tines, harrow type B and Packer roller



Tine CX

KOS PREMIUM	3	3,5	4
Weight with ø600 mm pipe roller [kg]	1 880	2 190	2 500
Power demand [KM]	120÷150	140÷170	160÷190
No. of tines [pc.]	8	10	12
No. of discs (harrow type A) [pc.]	8	10	12
No. of discs (harrow type B) [pc.]	16	20	24
Tine spacing [mm]	370	370	370
Underbeam clearance [cm]	850	850	850

KOS PREMIUM LONG	3	4
Weight without roller [kg]	3 000	3 640
Power demand [HP]	140÷170	180÷220
No. of tines [pc.]	8	12
Underbeam clearance [cm]	85	85
Tine spacing [cm]	37	37

HARRIER NEW



PLUGHS

CULTIVATION

seeding
equipment

combination
seed drills

disc, rotary
& tillage mowers

rakes & tedders

balers/wrappers
combination

balers & bale
wrappers

manure
fertilization

manure
fertilization

technika
ziemniaczana

transport

protection

storage

Chisel plough



HARRIER B 3/5

STANDARD EQUIPMENT

- » suspension cat. III ø36 / cat. IV N ø51
- » width of frame 3 m
no of tines: 5, tine spacing: 605 mm
- » width of frame 3 m
no of tines: 7, tine spacing: 440 mm
- » width of frame 4 m
no of tines: 7, tine spacing: 605 mm
- » width of frame 4 m
no of tines: 9, tine spacing: 440 mm
- » width between rows of tines: 100 cm
- » working depth to 50 cm
- » double spike roller
- » bolt protection ø20 (HARRIER B)
- » hydraulic protection NON-STOP (HARRIER H)

MODEL	3/5	3/7	4/7	4/9
HARRIER B	11 100	12 400	16 300	17 600
HARRIER H	14 400	17 000	20 900	22 200

ACCESSORIES AT EXTRA CHARGE

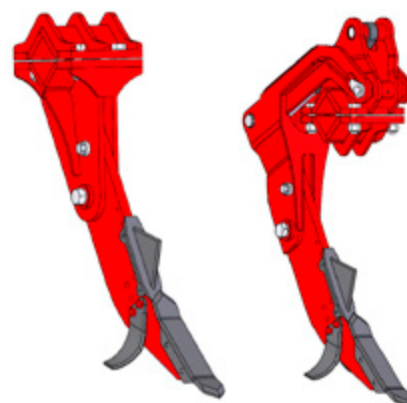
warning plates kit	170
warning plates kit with lamps	300



Double counteracting spike roller ensures double-layer cultivation.



Specially formed working tine with side wings loosens the soil and cuts clod without turning.



Tine with bolt protection.

Tine with hydraulic protection.

HARRIER B	3/5	3/7	4/7	4/9
Working width [m]	3	3	4	4
No of tines [pc.]	5	7	7	9
Power demand [HP]	180 ÷ 240	260 ÷ 300	320 ÷ 370	360 ÷ 440
Weight with roller [kg]	2480	2670	2920	3130

HARRIER H	3/5	3/7	4/7	4/9
Working width [m]	3	3	4	4
No of tines [pc.]	5	7	7	9
Power demand [HP]	190 ÷ 250	270 ÷ 310	330 ÷ 380	370 ÷ 450
Weight with roller [kg]	2740	3050	3250	3490

KRET

Subsoiler



KRET S 5

STANDARD EQUIPMENT

- » suspension axles:
ø70-825/ø36 mm (versions 3 & 5)
ø70-965/ø36 mm (version 7)
- » 200×100 mm rigid frame
- » L type tine
- » bolt-protected tines (KRET B),
spring-leaves protected tines (KRET S)
- » coulters with wings and undercutting
width of 190 mm
- » you can install:
3 or 5 tines on the working width of 3 m,
5 or 7 tines on 4 m

KRET:

- » **versions 3/5:**
3 tines on working width of 3 m
- » **versions 5/7:**
5 tines on working width of 4 m

MODEL	3	3/5	5	5/7	7
KRET B	3 000	3 600	4 100	5 100	5 700
KRET S	5 400	6 100	7 700	8 500	10 300

ACCESSORIES AT EXTRA CHARGE

set of rubber support wheels *	490	490	490	490	490
set of steel support wheels *	250	250	250	—	—
surcharge for a set of XL tines *	360	360	590	590	820
furrow type C w. bracket (only bolt-protected version) *	—	2940	2940	3910	3910
roller bracket (for bolt-protected version) *	—	590	590	590	590
roller bracket (for spring-protected version) *	—	660	660	660	660
Pipe roller ø600 mm	—	1 140	1 140	1 540	1 540
Spring roller ø600 mm	—	3 750	3 750	5 020	5 020
Spiral roller ø600 mm	—	2 450	2 450	3 260	3 260
T-roller ø600 mm	—	3 000	3 000	4 370	4 370
C-roller ø600 mm	—	3 000	3 000	4 370	4 370
Packer roller ø700	—	2 940	2 940	3 910	3 910
Steel roller ø600	—	3 750	3 750	5 020	5 020
warning plates kit	170	170	170	170	170
possibility of mounting the seeder ETA					



KRET 5B



Rubber support wheel
600/200-14,5 (option)



Tine L



Tine XL

KRET	B 3	B 3/5	B 5	B 5/7	B 7	S 3	S 3/5	S 5	S 5/7	S 7
Working width [m]	1,7	3,0	3,0	4,0	4,0	1,7	3,0	3,0	4,0	4,0
Weight without roller [kg]	610	720	840	980	1 140	830	1 000	1 300	1 510	1 785
Power demand [HP]	75÷110	100÷130	110÷150	150÷180	160÷210	100÷130	130÷160	150÷180	170÷230	180÷240
Underbeam clearance [cm]	90	90	90	90	90	90	90	90	90	90
No. of tines [pc.]	3	3	5	5	7	3	3	5	5	7

PLOW

Semi-plough



PLUGHS

CULTIVATION

seeding
equipment

combination
seed drills

disc, rotary
& tillage mowers

rakes & tedders

balers/wrappers
combination

balers & bale
wrappers

manure
fertilization

manure
fertilization

technika
ziemniaczana

transport

protection

storage



PLOW S 6

STANDARD EQUIPMENT

- » suspension axle: $\varnothing 70$ -825/ $\varnothing 36$ mm
- » 100x200mm rigid frame
- » PLOW tines
- » bolt-protected tines (B version)
- » spring-leaves protection of tines (S version)



Tine PLOW


PLOW:

- » tine working depth: up to 35 cm
- » load per tine: 600 kg

MODEL

	4	6	8
PLOW B	3800	4800	6400
PLOW S	5900	8500	11400

ACCESSORIES AT EXTRA CHARGE

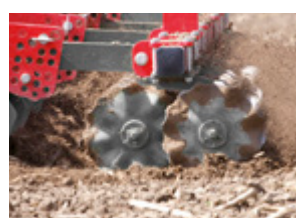
set of rubber support wheels *	490	490	490
bracket for roller (version B) *	690	690	690
bracket for roller (version S) *	720	720	720
furrow type C with brackets (version B) *	2 940	2 940	4 400
furrow type C with brackets (version S)	2 940	2 940	—
PTO shaft application system (divided axle) *	170	170	—
hydraulic coupler – lifting capacity 4000 kg (version B) 	1 140	1 140	1 140
Pipe roller $\varnothing 600$ mm	1 140	1 140	1 540
Spring roller $\varnothing 600$ mm	3 750	3 750	5 020
Spiral roller $\varnothing 600$ mm	2 450	2 450	3 260
T-roller $\varnothing 600$ mm	3 000	3 000	4 370
C-roller $\varnothing 600$ mm	3 000	3 000	4 370
Packer roller $\varnothing 700$	2 940	2 940	3 910
steel roller $\varnothing 600$	3 750	3 750	5 020
warning plates kit	170	170	170



PLOW B 6 with hydraulic coupling



PLOW S 4



Furrow type C



PLOW with roller

PLOW	B 4	B 6	B 8	S 4	S 6	S 8
Working width [m]	3	3	4	3	3	4
Weight without roller [kg]	840	1 140	1 400	1 200	1 600	2 030
Power demand [HP] in bolt protected version	130÷150	150÷180	170÷200	130÷150	150÷180	170÷200
Underbeam clearance [cm]	95	95	95	95	95	95

HERMES

Active harrow



HERMES P 4,0 m

STANDARD EQUIPMENT

- » 825/ø28 mm suspension (3 m version)
- » 825/ø36 mm suspension (4 m version)
- » vertical knives, L 280 mm
- » two-stage gear
- » foldable side guards
- » PTO speed – 540 RPM
- » rear pipe roller, ø500 mm
- » PTO shaft with automatic clutch



Working elements

280 mm long knives operating in vertical position are protected against mechanical damages by automatic clutch.



Levelling bar

The bar located between the knives and packing roller levels the ground before sowing coulters.

MODEL	3,0	4,0
HERMES	9800	14 700

ACCESSORIES AT EXTRA CHARGE

front levelling bar *	430	560
rear levelling bar *	330	410
surcharge for Packer roller ø530 mm	820	980
surcharge for Rubber roller ø500 mm	1830	2460
seeder coupler + supports + coupling screw *	1700	1700



Seedbed combination

The HERMES unit provided with additional seeder coupler can be connected to a seeding machine such as POLONEZ 550/3 D



HERMES	3	4
Working width [m]	3	4
Weight without roller [kg]	1120	1430
Power demand [HP]	80	100
No. of knives [pc.]	24	32

KRUK

Soil miller



ploughs

CULTIVATION

seeding
equipment

combination
seed drills

disc, rotary
& flail mowers

rakes & tedders

bales/wrappers
combination

bale
wrappers

mineral
fertilization

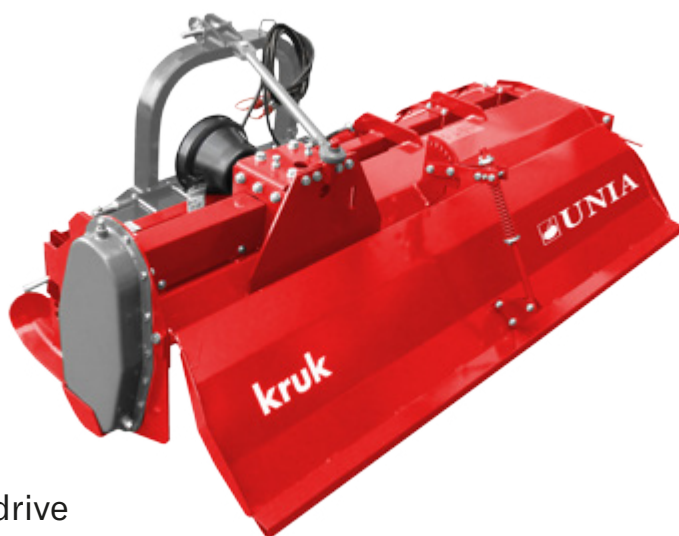
manure
fertilization

potato
technology

transport

protection

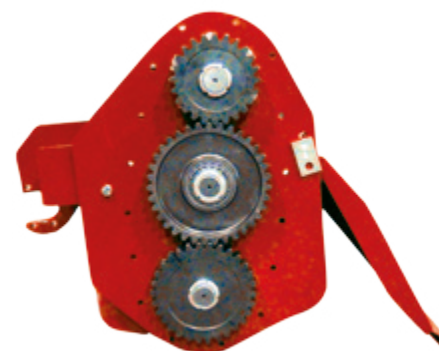
storage



KRUK 2,0
with side drive

STANDARD EQUIPMENT

- » central drive (middle): Kruk 1.6, 1.8 & 2.0
- » side chain drive in oil bath: Kruk 2.0 with side drive
- » universal three-point suspension system
- » adjustment of working depth on the support wheels : Kruk 1.6, 1.8, 2.0
- » front skids for adjustment of working depth: Kruk 2,0 with side drive
- » working depth up to 12 cm



Drive onto working elements is transmitted with the help of toothed gear.



Hydraulic side shift



Working knives



MODEL	1,6	1,8	2,0	2,0 SIDE DRIVE
KRUK	1800	2000	2100	3500

ACCESSORIES AT EXTRA CHARGE

hydraulic side shift	—	—	—	460
articulated – telescopic shaft WPT 680	180	180	180	170



KRUK (CENTRAL DRIVE)

KRUK	1,6	1,8	2,0	2,0 SIDE DRIVE
Working width [m]	1,6	1,8	2,0	2,0
Weight [kg]	350	370	390	420
Power demand [HP]	30	50	60	60
No. of knives [pc.]	48	54	60	48

TINES



Tine SK
45×10×100



Tine SL
25×25×260



Tine SU
32×12



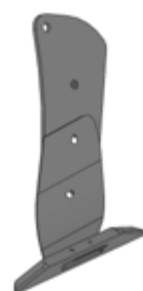
Tine SV
45×10



Tine SX
45×160



Tine SZ
40×25×260



Tine PLOW



Tine XL
KRET



Tine L
KRET



Tine CX
KOS Premium/
Cross H



Tine CX
CROSS S



Tine KX
KOS



Tine
LONG



Tine
with narrow coulter
KOS/CROSS

DISCS



L 485
Classic



L 510
Classic



XL 560
Classic



XXL 660
Classic



TX 660
Classic



Vibro
560



485
Aggressive



L 510
Aggressive



XL 560
Aggressive



XXL 660
Aggressive



TX 660
Aggressive



TWIX

APPLICATION OF ROLLERS



ploughs

CULTIVATION

seeding
equipment

combination
seed drills

disc, rotary
& flail mowers

rakes & tedders

bales/wrappers
combination

bale
wrappers

mineral
fertilization

manure
fertilization

potato
technology

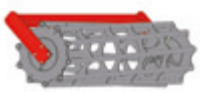
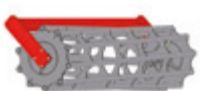
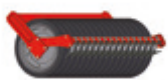

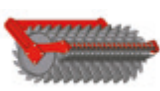
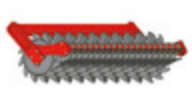


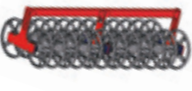


transport

protection

storage

WORKING WIDTH [M]	2,1	2,5	2,6	3,0	3,5	3,7	3,7 H	4,0	4,0 H	4,5 H	5,0 H	5,4 H	6,0 H	8,0 H
ARES L														
Pipe roller ø500 mm		X		X	X			X						
Pipe roller ø600 mm										X			X	
Rubber roller ø500 mm		X		X	X			X		X			X	
Packer roller ø500 mm		X		X	X			X		X			X	
Spiral roller ø470 mm		X		X	X			X						
Spiral roller ø600 mm		X		X	X			X		X			X	
ARES XL														
Pipe roller ø600 mm				X	X			X	X	X			X	
Packer roller ø500 mm				X	X			X	X	X			X	
Spring roller L ø600 mm				X	X			X	X	X			X	
Spiral roller ø600 mm				X	X			X	X	X			X	
U-Roller ø600				X	X			X	X	X			X	
T-Roller ø600				X	X			X	X	X			X	
ARES P / LONG														
Pipe roller ø600				X	X			X						
T-Roller ø600				X	X			X						
U-Roller ø600				X	X			X						
Spiral roller ø600				X	X			X						
Steel roller ø600				X	X			X						
Packer roller ø700				X	X			X						
ARES HP XL / XXL / TX / TWIX														
Pipe roller ø600 mm											X		X	X
Alternate U-Roller ø600											X		X	X
Alternate T-Roller ø600											X		X	X
Alternate Spiral roller ø600 mm											X		X	X
Double roller pipe-string ø500 /ø400 mm											X		X	X
Ares Roller UP														
Pipe roller ø600 mm				X										
Tire roller ø670 mm (XL)				X										
Spring roller L ø600 mm				X										
Spiral roller ø600 mm				X										
U-Roller ø600				X										
T-Roller ø600				X										
CROSS														
Pipe roller ø600 mm				X	X			X	X		X		X	
Steel roller ø600 mm									X		X		X	
Packer roller ø700 mm									X		X		X	
Spring roller L ø600 mm				X	X			X	X		X		X	
Spiral roller ø600 mm				X	X			X	X		X		X	
U-Roller ø600				X	X			X	X		X		X	
T-Roller ø600				X	X			X	X		X		X	
KOS														
Pipe roller ø500 mm	X		X	X		X	X			X		X	X	
Pipe roller ø600 mm				X		X	X			X		X	X	
Spring roller ø600 mm				X						X			X	
Spiral roller ø600 mm				X						X			X	
KOS Premium														
Pipe roller ø600 mm				X	X			X						
Rubber roller ø500 mm				X	X			X						
Packer roller ø500 mm				X	X			X						
Spring roller L ø600 mm				X	X			X						
Spiral roller ø600 mm				X	X			X						
U-Roller ø600				X	X			X						
T-Roller ø600				X	X			X						
KRET, PLOW														
Pipe roller ø600 mm				X				X						
Spiral roller ø600 mm				X				X						
U-Roller ø600				X				X						
T-Roller ø600				X				X						
Packer roller ø700 mm				X				X						
Steel roller ø600 mm				X				X						

ROLLERS

PRICE FOR ROLLER	WORKING WIDTH [M]	2,5	3,0	3,5	4,0	4,0 H	4,5 H	5,0 H	6,0 H	8,0
Pipe roller ø600 mm 	Weight [kg]	—	330	450	490	500	530	580	660	1000
	Price	950	1 150	1 300	1 550	1 700	1 900	2 100	2 500	3 350
SURCHARGE FOR ROLLERS	WORKING WIDTH [M]	2,5	3,0	3,5	4,0	4,0 H	4,5 H	5,0 H	6,0 H	8,0
Pipe roller ø500 mm 	Weight [kg]	200	250	300	335	345	390	420	500	—
	Price	-300	-350	-400	-450	-500	-550	-600	-750	—
Rubber roller ø500 mm 	Weight [kg]	460	560	710	790	800	870	940	1120	—
	Price	1800	2 150	2 500	2 850	2 950	3 300	3 700	4 400	—
Rubber roller ø700 mm 	Weight [kg]	—	835	1080	1190	1205	1320	1440	1670	2410
	Price	—	3 200	3 700	4 200	4 400	5 000	5 500	6 600	8 800
Packer roller ø500 mm 	Weight [kg]	410	495	630	695	705	780	850	990	—
	Price	1250	1 500	1 750	2 000	2 000	2 250	2 500	3 000	—
Packer roller ø700 mm 	Weight [kg]	—	730	950	1040	1050	1150	1240	1460	2100
	Price	—	1 800	2 100	2 400	2 500	2 800	3 100	3 750	5 000
Spiral roller ø470 mm 	Weight [kg]	375	450	542	620	—	—	—	—	—
	Price	950	1 150	1 350	1 550	—	—	—	—	—
Spiral roller ø600 mm 	Weight [kg]	490	590	690	790	800	850	950	1 180	1 500
	Price	1 100	1 300	1 550	1 750	2 300	2 550	2 850	3 400	8 200
Alternate Spiral roller ø600 mm 	Weight [kg]	—	—	—	—	—	—	1040	1280	1700
	Price	—	—	—	—	—	—	5000	6 150	8 200
Tire roller L ø670 mm 	Weight [kg]	—	590	690	790	800	880	980	1 180	—
	Price	—	3 600	4 200	4 800	5 050	5 650	6 300	7 550	—
Tire roller XL ø800 mm 	Weight [kg]	—	650	750	850	870	975	1080	1350	—
	Price	—	6 700	7 800	8 900	9 200	10 300	11 450	13 750	—

ROLLERS



ploughs

CULTIVATION

seeding
equipment

combination
seed drills

disc, rotary
& flail mowers

rakes & tedders

bales/wrappers
combination

bale
wrappers

mineral
fertilization

manure
fertilization

potato
technology

transport

protection

storage

SURCHARGE FOR ROLLERS	WORKING WIDTH [M]	2,5	3,0	3,5	4,0	4,0 H	4,5 H	5,0 H	6,0 H	8,0
Steel roller ø600 mm 	Weight [kg]	—	780	980	1 100	1 110	—	1 340	1 560	—
	Price	—	2 600	3 050	3 500	3 650	—	4 550	5 450	—
Spring roller L ø600 mm 	Weight [kg]	—	570	700	750	760	—	960	1 140	—
	Price	—	2 600	3 050	3 500	3 750	—	4 650	5 600	—
Spring roller XL ø700 mm 	Weight [kg]	—	740	860	980	1 000	—	1 240	1 480	2 000
	Price	—	3 600	4 200	4 800	4 950	—	6 200	7 400	9 900
U-Roller ø600 	Weight [kg]	—	600	730	820	830	920	1 020	1 200	—
	Price	—	1 900	2 200	2 850	3 400	3 500	3 600	4 300	—
Alternate U-Roller ø600 	Weight [kg]	—	690	840	940	—	—	1 150	1 380	1 880
	Price	—	3 600	4 200	4 450	—	—	5 550	6 800	9 050
T-Roller ø600 	Weight [kg]	—	580	710	800	810	890	980	1 160	—
	Price	—	1 900	2 200	2 850	3 400	3 500	3 700	4 300	—
Alternate T-Roller ø600 	Weight [kg]	—	670	820	920	—	—	1 150	1 340	1 840
	Price	—	3 600	3 800	4 450	—	—	5 700	6 800	8 600
Double pipe-string roller ø500/ø400 	Weight [kg]	—	—	—	—	—	—	820	930	1 390
	Price	—	—	—	—	—	—	3 850	4 450	6 500

ROLLER FOR CUT L/XL

SURCHARGE FOR ROLLERS	WORKING WIDTH [M]	2,3	2,8	3,2	3,9
Pipe roller ø500 mm 	Weight [kg]	200	230	270	330
	Price	1 100	1 200	1 450	1 800

SEEDING EQUIPMENT



POZNANIAK 330 / 370 / 420

Mechanical row seed drill



POZNANIAK 420/3

STANDARD EQUIPMENT

- » suspension axle: $\varnothing 28-675/\varnothing 28$
- » hoe coulters
- » double-disc coulters in "V-TECH"
- » configuration - without holders to pressing wheels unit (no possibility to mount copying & pressing wheels unit in future) (D version); disc: $\varnothing 300$ mm; clamping force $P = 25$ kg
- » central and individual clamping of coulters
- » two-piece integrated metering rollers for cereals and rape
- » spring loaded firmer
- » variable gear
- » central and individual clamping of coulters
- » wheels size 165/70 R14
- » grating inside the hopper
- » loading platform

Warning :

without drive marker



STARTER Seed

Easy-to-use controller, which counts passages, and automatically opens and closes the process paths with pre-emergence paths

MODEL

PRICE

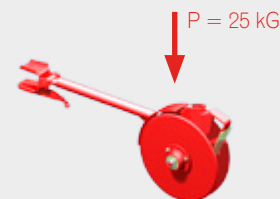
POZNANIAK 330/2,5	3 900
POZNANIAK 330/2,5 D	4 900
POZNANIAK 370/2,7	4 300
POZNANIAK 370/2,7 D	5 400
POZNANIAK 420/3	4 800
POZNANIAK 420/3 D	6 100

ACCESSORIES AT EXTRA CHARGE

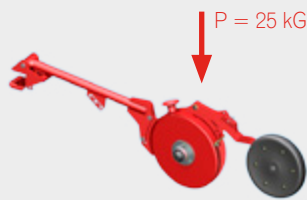
PACKAGE TicTac , control unit TicTac, electric technological paths	410
PACKAGE Seed , Control unit Starter Seed, electric technological paths, hydraulic side markers	1 060
PACKAGE Superior , control unit Superior, electric technological paths, hydraulic side markers	2 770
road lighting *	150
tractor wheel tracks openers	150
hydraulic pre-emergence process paths Starter Seed / Superior *	880
Coulters „V-TECH“ $\varnothing 300$ mm with holders which enable assembling of pressing wheels (2,5 m)	410
Coulters „V-TECH“ $\varnothing 300$ mm with holders which enable assembling of pressing wheels (2,7 m)	440
Coulters „V-TECH“ $\varnothing 300$ mm with holders which enable assembling of pressing wheels (3,0 m)	570
pressing and ground following unit 250x42mm for disc "V-TECH" (2,5m) * coulters	1 060
pressing and ground following unit 250x42mm for disc "V-TECH" (2,7m) * coulters	1 160
pressing and ground following unit 250x42mm for disc "V-TECH" (3,0m) * coulters	1 260
hydraulic side markers *	480
resignation from controller Superior (monitor)	-580



Hoe coulter



Double-disc in coulter "V-TECH" configuration. Max clamping force $P = 25$ kg/coulter (Without holders thus possibility to mount pressing & copying wheels)



double-disc coulters in "V-TECH" configuration (D version); disc: $\varnothing 300$ mm; clamping force $P = 25$ kg. Compacting and ground-following wheel 300x50 mm

POZNANIAK	330/2,5	330/2,5 D	370/2,7	370/2,7 D	420/3	420/3 D
Working width [m]	2,5	2,5	2,7	2,7	3	3
Hopper capacity [dm ³]	330	330	370	370	420	420
Type of coulters	hoe	double-disc	hoe	double-disc	hoe	double-disc
No. of coulters [pc.]	21	21	23	23	25	25
Sowing depth [cm]	0÷7	0÷7	0÷7	0÷7	0÷7	0÷7
No. of coulter rows [pc.]	2	2	2	2	2	2
Power demand [HP]	45	45	45	45	60	60
Weight [kg]	510	630	550	680	610	760

POZNANIAK 550

Mechanical row seed drill



ploughs

cultivation

SEEDING
EQUIPMENT

combination
seed drills

disc, rotary
& flail mowers

rakes & tedders

balers/wrappers
combination

bale
wrappers

mineral
fertilization

manure
fertilization

potato
technology

transport

protection

storage



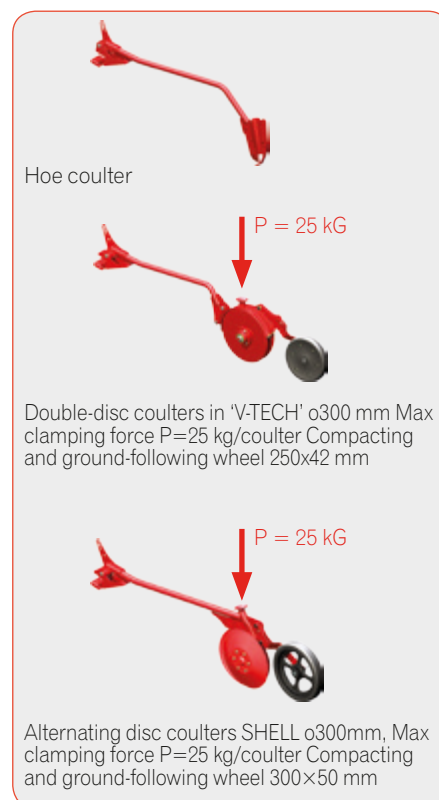
POZNANIAK 550/3D

STANDARD EQUIPMENT

- » suspension axle: ø28-675/ ø28
- » hoe coulters
- » double-disc coulters in "V-TECH" configuration (D version); disc: ø300mm, clamping force P=25kg
- » central regulation of sowing depth
- » central and individual clamping of coulters
- » hydraulic marker trigger with two cylinders
- » two-piece integrated metering rollers for cereals and rape
- » variable gear
- » spring loaded firmer
- » wheels size 6 x 16
- » grating inside the hopper
- » loading platform
- » road lightning



SUPERIOR a solution which allows operation of various Unia machines with just one of various Unia machines with just one universal control panel. Functions: memory of of electronic control of flow test, presentation ofof fertilizer types, current dose level control,fertilizer types, current dose level control,fields name, memory



MODEL

POZNANIAK 550/3

PRICE

7 100

POZNANIAK 550/3 D

8 700

ACCESSORIES AT EXTRA CHARGE

PACKAGE TicTac control unit TicTac electric technological paths	410
PACKAGE Seed control unit Starter Seed electric technological paths, hydraulic side markers	610
PACKAGE Superior control unit Superior electric technological paths, hydraulic side markers	2 320
6x16 tyres w. road tyre tread *	40
tractor wheel tracks openers	150
seed box 750 liters	300
hydraulic pre-emergence process paths Starter Seed/Superior *	880
alternating self-cleaning double-disc SHELL coulters 300 mm P= 25 kg POZNANIAK 3 D	200
pressing and ground following unit 250x42 for double disc V-TECH coulters	1 260
pressing and ground following unit 300x50 for double disc alternating SHELL coulters	1 800
resignation from controller Superior (monitor)	-580

POZNANIAK	550/3	550/3 D
Working width (m)	3	3
Hopper capacity (dm³)	550	550
Type of coulters	hoe	disc
No. of coulters (pcs)	25	25
Sowing depth (cm)	0÷7	0÷7
No of rows of coulters (pcs)	2	2
Power demand (HP)	80	80
Weight (kg)	710	850

POLONEZ 550

Mechanical row seed drill



POLONEZ 550/3D

STANDARD EQUIPMENT

- » suspension axles ø28 675/ø28
- » alternating double disc SHELL and self-cleaning coulters disc ø350mm, clamping force P=35 kg
- » pressure and ground following unit
- » hydraulic marker trigger with two cylinders
- » controller Starter Seed
- » electric process paths
- » two-piece integrated metering rollers for cereals and rape
- » variable gear
- » wheel size 6×16
- » central hydraulic clamping of coulters
- » individual clamping of coulters
- » tractor wheel tracks openers
- » loading platform on whole width
- » spring loaded firmer
- » grating inside the hopper
- » road lighting



Hydraulic pressure

hydraulic cylinder allows for smooth adjustment of central coulters clamping



Gearbox

accurate sowing is provided by variable gearbox



MODEL

POLONEZ 550/3 D

PRICE

11 400

ACCESSORIES AT EXTRA CHARGE

surcharge for Superior controller	1 750
resignation from controller Superior (monitor)	-580
seed box 750 liters	300
hydraulic pre-emergence process paths *	880
seeder ALFA 180/23/3 for grass (with spreading bar)	2 580



Heavy coulters

heavy coulters allow for supreme ground coping due to it is equipped in pressure and ground following wheel. Correct pressure is achieved by hydraulic cylinder and sole spring



Pressure and ground following unit

Disc coulters can be provided with a pressure and ground following unit that: maintains the desired drilling depth, compacts the soil after sowing, provides better soaking, faster and more even germination

POLONEZ	550/3 D
Working width (m)	3
Hopper capacity (dm³)	550
Type of coulters	disc
No. of coulters (pcs)	25
Sowing depth (cm)	0÷7
No of rows of coulters (pcs)	2
Power demand (HP)	80
Weight (kg)	900

POLONEZ 780 / 1000

Mechanical row seed drill



ploughs

cultivation

SEEDING
EQUIPMENT

combination
seed drills

disc, rotary
& flail mowers

rakes & tedders

balers/wrappers
combination

bale
wrappers

mineral
fertilization

manure
fertilization

potato
technology

transport

protection

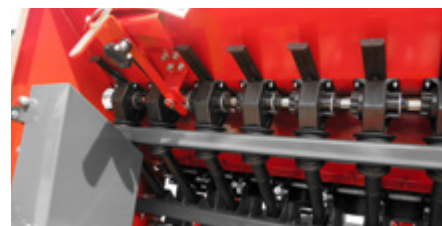
storage



POLONEZ 780/4D

STANDARD EQUIPMENT

- » suspension axle: $\varnothing 28-875/\varnothing 36$ mm
- » hoe coulters
- » alternating double disc SHELL and self-cleaning coulters disc (version D) disc $\varnothing 350$ mm, clamping force $P=25$ kg
- » hydraulic marker trigger with two cylinders
- » electric process paths
- » two-piece integrated metering rollers for cereals and rape
- » variable gear
- » wheels size 10×15
- » central hydraulic clamping of coulters
- » individual clamping of coulters
- » tractor wheel tracks openers
- » loading platform on whole width
- » central and individual clamping of coulters
- » volumetric fluted sowing unit for fertilizing (DUPLO version)
- » spring - loaded firmer



System DUPLO

additional volumetric fluted sowing units for fertilizing, splitted seed-box



MODEL

MODEL	PRICE
POLONEZ 780/4	10 900
POLONEZ 780/4D	13 700
POLONEZ 780/4D DUPLO	16 800
POLONEZ 1000/4	11 400
POLONEZ 1000/4 D	14 100
POLONEZ 1000/4 D DUPLO	17 200

ACCESSORIES AT EXTRA CHARGE

surcharge for Superior controller	2 290
resignation from controller Superior (monitor)	-580
R14 multifunction computer	1 340
hydraulic pre-emergence process paths *	880
pressing and ground following unit (version D and D DUPLO) *	2 250
road lighting *	430
seeder ALFA 240/30/4 for grass (with spreading bar)	2 680



Hydraulic pressure

hydraulic cylinder allows for smooth adjustment of central coulters clamping

POLONEZ	780/4	780/4 D	780/4 D DUPLO	1000/4	1000/4D	1000/4 D DUPLO
Working width (m)	4	4	4	4	4	4
Hopper capacity (dm ³)	780	780	780	1000	1000	1000
Type of coulters	hoe	disc	disc	hoe	disc	disc
No. of coulters (pcs)	35	31	31	35	31	31
Sowing depth (cm)	0÷7	0÷7	0÷7	0÷7	0÷7	0÷7
No of rows of coulters (pcs)	2	2	2	2	2	2
Power demand (HP)	80	80	80	100	100	100
Weight (kg)	920	1100	1150	970	1150	1200

MAZUR 855 / 1100

Mechanical row seed drill



MAZUR 1100/6,0D

STANDARD EQUIPMENT

- » suspension axle: $\varnothing 60-825/\varnothing 36$ mm
- » hoe coulters
- » alternating double disc SHELL and selfcleaning
- » coulters disc $\varnothing 350$ mm, clamping
- » force $P=35$ kg
- » hydraulic marker trigger with two cylinders
- » electric process paths
- » toothed gear
- » two-piece integrated metering rollers for cereals and rape
- » central and individual clamping of coulters
- » grating inside the hopper that facilitates loading
- » device for calibration test
- » central control of metering units' bottom positions
- » transport system
- » spring-loaded firmer



DUPLO system (seed + fertilizer). Overseeding supports plant growth. Split seed-box and additional seeding distributors allow for simultaneous seeding and fertilizing by one coulter

MODEL	PRICE
MAZUR 855/4,5	12 400
MAZUR 855/4,5 D	17 100
MAZUR 855/4,5 D DUPLO	20 400
MAZUR 1100/6,0	17 000
MAZUR 1100/6,0 D	23 000
MAZUR 1100/6,0 D DUPLO	26 900

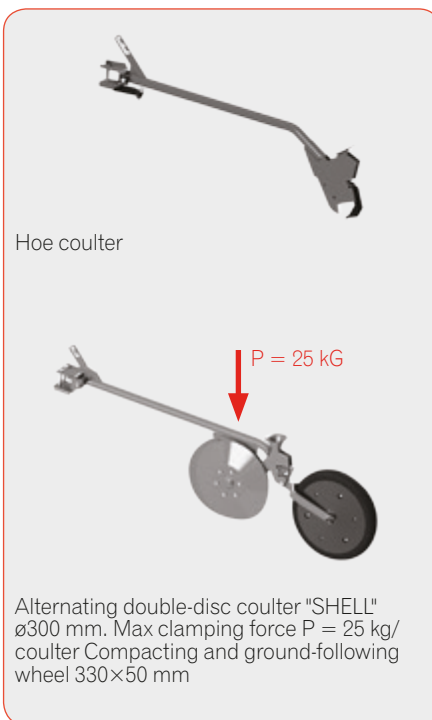
ACCESSORIES AT EXTRA CHARGE

pressing and ground following unit (4,5m - D/D DUPLO) *	2 600
pressing and ground following unit (6,0m - D/D DUPLO) *	3 430
hydraulic pre-emergence process paths *	880
carriage for semi-mounted version *	3 910
R14 multifunction computer	1 340
road lighting *	430



Longitudinal transportation of MAZUR seed drill is possible thanks to additional wheels mounted on the rear side of drill.

MAZUR	855/4,5	1100/6,0	855/4,5 D	1100/6,0 D	855/4,5 D DUPLO	1100/6,0 D DUPLO
Working width (m)	4,5	6	4,5	6	4,5	6
Hopper capacity (dm ³)	855	1100	855	1100	855	1100
Type of coulters	hoe	disc	disc	hoe	disc	disc
No. of coulters (pcs)	39	58	35	47	35	47
Weight (kg)	1800	2300	1995	2560	2100	2750
Power demand (HP)	80÷100	100÷120	80÷100	100÷120	80÷100	100÷120



CAYENNE 1500

Heavy mechanical row seed drill



ploughs

cultivation

SEEDING
EQUIPMENT

combination
seed drills

disc, rotary
& flail mowers

rakes & tedders

bales/wrappers
combination

bale
wrappers

mineral
fertilization

manure
fertilization

potato
technology

transport

protection

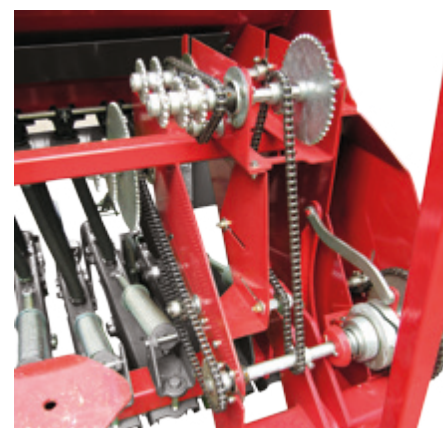
storage



CAYENNE 1500/4

STANDARD EQUIPMENT

- » semi-mounted axle: 965/ø36 mm
- » double-disc coulters "V-TECH" ø350 mm with groundfollowing wheel 350x78 mm; clamping force P = 65 kg
- » tyres 7,5 x 20
- » loading platform
- » two-piece integrated metering rollers for cereals and rape
- » central hydraulic clamping of coulters
- » individual adjustment of coulter working depths
- » firmer
- » hopper divided in 1/3 to 2/3 ratio (fertilizer/seed – DUPLO version)



Mechanical regulation of seeding by toothed gear

MODEL

PRICE

CAYENNE 1500/4

23 700

CAYENNE 1500/4 DUPLO

26 700

ACCESSORIES AT EXTRA CHARGE

passage marker on two cylinders CAYENNE

1 340

tractor wheel tracks openers *

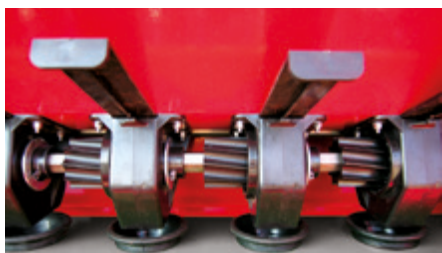
1 050

road lighting *

430

surcharge for "eye" drawbar hitch

130



Divided metering units for fine and coarse seeds



Metering units for fertilizers (volumetric fluted metering unit)



Tractor wheel tracks openers



Duplo System (seed + fertilizer)



Hydraulic cylinder for coulter lifting



Double-disc coulter in "V-TECH" configuration ø350 mm Max clamping force P = 65 kg/coulter
Compacting and ground-following wheel 350x78 mm

CAYENNE	1500/4	1500/4 DUPLO
Working width [m]	4,0	4,0
Hopper capacity [dm³]	1500	1500
Type of coulters	double-disc ø350 with ground-following wheel 350 x 78 mm	double-disc ø350 with ground-following wheel 350 x 78 mm
No. of coulters [pc.]	26	26
Weight [kg]	2300	2400
Power demand [HP]	80	80

AMBER 900 / 1200

Mechanical row seed drill



AMBER 1200/4

STANDARD EQUIPMENT

- » suspension axle: $\varnothing 60-825/\varnothing 36$ mm
- » semi-mounted axle: $965/\varnothing 36$ mm (DRIVE System)
- » single-disc coulters, $\varnothing 400$ mm, clamping force $P = 100$ kg, protected with rubber dampers
- » two-piece integrated metering rollers for cereals and rape
- » variable gear
- » tarpaulin for seed hopper
- » $\varnothing 500$ mm rubber roller (model 900)
- » 195×15 rear tyre roller (model DRIVE) diagonal tires, standard in version 1200
- » drawbar adopted to comply with wide tires of tractor
- » hydraulic marker trigger with two cylinders
- » electric process paths
- » straight spring firmer



Amber 900/3 with rubber roller



Amber 900/3 mounted version

MODEL	900/3	1200/4
AMBER	15 800	22 400
AMBER DUPLO	19 100	26 000

ACCESSORIES AT EXTRA CHARGE

front hydraulic board (only DRIVE system)	2 120	2 940
surcharge for steel roller 700 mm	560	—
surcharge for spiral roller 600 mm	560	—
surcharge for DRIVE system (drawbar + tyre roller 670 mm) amber	4 400	S
hydraulic pre-emergence process paths	880	880
R14 multifunction computer	1 340	1 340
hitch packer, front (only in DRIVE system)	1 800	S
road lighting	430	430
alfa grass eco 180/23/3 (L)	2 580	—
alfa grass eco 240/30/4 (L)	—	2 680

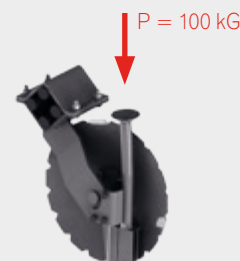


Two-piece integrated metering rollers for cereals and rape



Seeding units for fertilizers (peg wheel)

AMBER	900/3	900/3 DUPLO	1200/4 DRIVE	1200/4 DRIVE DUPLO
Working width [m]	3	3	4	4
Hopper capacity [dm ³]	900	900	1200	1200
Type of coulters	disc	disc	disc	disc
No. of coulters [pc.]	24	24	32	32
Weight [kg]	1750	1900	3100	3300
Power demand [HP]	100 ÷ 120	100 ÷ 120	120 ÷ 140	120 ÷ 140



Single-disc coulters, $\varnothing 400$ mm
Max clamping force $P = 100$ kg/coulter
Protected by rubber dampers

AMBER 3000 / 3500

Heavy mechanical row seed drill



ploughs

cultivation

SEEDING
EQUIPMENT

combination
seed drills

disc, rotary
& flail mowers

rakes & tedders

bale wrappers
combination

bale
wrappers

mineral
fertilization

manure
fertilization

potato
technology

transport

protection

storage



AMBER 3000/3 with undercutting cultivation

STANDARD EQUIPMENT

- » semi-mounted axle: 965/ø36 mm
- » single-disc coulters, ø400 mm, clamping force P = 100 kg, protected with rubber dampers
- » two-piece integrated metering rollers for cereals and rape
- » variable gear
- » tarpaulin for seed hopper
- » 195×15 rear tyre roller, diagonal tires
- » adjustable drawbar + hitch Packer, front (steerable)
- » hydraulic marker trigger with two cylinders
- » electric process paths
- » straight spring firmer



Front Hitch Packer (steerable), ø800 mm



V-TECH coulters with side wheel allows for supreme ground following and place seeds on required depth

MODEL	3000/3	3500/4
AMBER	28 300	36 700
AMBER DUPLO	31 500	40 300

ACCESSORIES AT EXTRA CHARGE

set of double-disc coulters "V-TECH" ø360 mm, side ground following wheels 320 x 64 mm	5 540	7 600
front hydraulic drag	2 120	2 940
hydraulic pre-emergence process paths	880	880
R14 multifunction computer	1 340	1 340
undercutter tillage (discs 460 mm + tyre roller 670 mm)	12 000	14 770
road lighting	430	430



About seed sowing of fertilizer for ecological and sustainable dosage of fertilizer through the system Duplo.



Amber 3000/3 standard version + two disc coulters "V-TECH" 360 mm, side ground following wheels 320 x 64 mm

AMBER	3000/3	3000/3 DUPLO	3500/4	3500/4 DUPLO
Working width [m]	3	3	4	4
Hopper capacity [dm³]	3000	3000	3500	3500
Type of coulters	disc	disc	disc	disc
No. of coulters [pc.]	24	24	32	32
Weight [kg]	2500	2600	3100	3250
Power demand [HP]	120 ÷ 140	120 ÷ 140	140 ÷ 160	140 ÷ 160

P = 100 kG

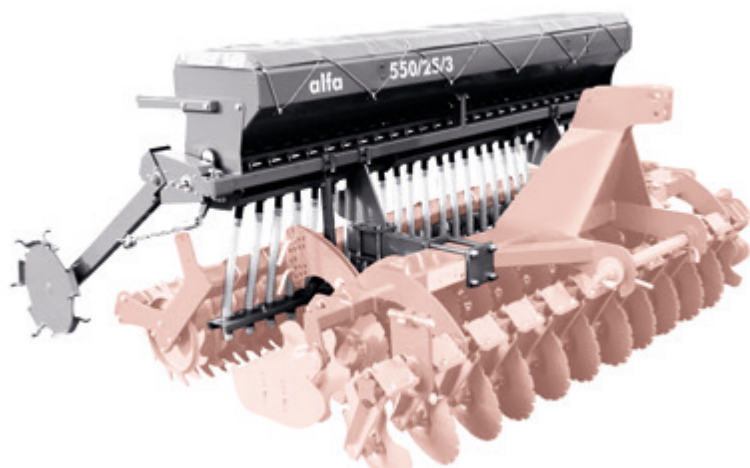
Single-disc coulters, ø400 mm
Max clamping force P = 100 kg/coulters
Protected by rubber dampers

P = 40 kG

Double-disc coulters in 'V-TECH' configuration ø360 mm. Max clamping force P = 40kg/coulters Compacting and ground-following wheel 320x64 mm

ALFA

Mechanical seed drill for aftercrop, grass and fertilizer



Alfa 550/25/3 mounted on Ares L unit

MODEL	RECOMMENDED FOR ASSEMBLING ON	PRICE
ALFA 150/6/2,2	KOS, KOS T	1 500
ALFA 170/7/2,6	KOS, KOS T, ARES L	1 700
ALFA 220/8/3	KOS, KOS T, CUT	1 800
ALFA 550/25/3	KOS, KOS T, ARES L, CUT	2 900
ALFA 180/23/3 (L)	POLONEZ, AMBER 900 (GRASS)	2 600
ALFA 240/30/4 (L)	POLONEZ, AMBER 1200 (GRASS)	2 700
ALFA 750/12/3 (LO)	FOR FRONT 3-P HITCH (FERTILIZER)	3 000
ALFA 1000/18/4 (LO)	FOR FRONT 3-P HITCH (FERTILIZER)	3 900
ALFA 210/25/3 (L)	ARES L, HERMES, CROSS	2 500
ALFA 240/30/4 (L)	ARES L, HERMES, CROSS	2 800

L – spreading bar is standard equipment, **LO** – optional spreading bar

ACCESSORIES AT EXTRA CHARGE

surcharge for ss lid 3,0	490
surcharge for ss lid 4,0	660
spreading bar 3,0 (ALFA 750/12/3)*	530
spreading bar 4,0 (ALFA 1000/18/4)*	590
fertilizer suspension version on front 3p hitch	360
parking arms for 3p hitch version	400
Mounting elements for r Alfa 150/6/2,2 – KOS T 2,1	250
Mounting elements for ALFA 170/7/26 – KOS T 2,6	250
Mounting elements for ALFA 170/7/26 – ARES L 2,5	250
Mounting elements for ALFA 220/8/3,0 – KOS T 3,0	250
Mounting elements for ALFA 220/8/3,0 – CUT 3,0	250

Mounting elements for ALFA 550/25/3(L) – KOS T 3,0	250
Mounting elements for ALFA 550/25/3(L) – ARES L 3,0 DRIVE	250
Mounting elements for ALFA 550/25/3(L) – CUT 3,0	250
Mounting elements for ALFA 210/25/3 (L) – ARES L 3	250
Mounting elements for ALFA 210/25/3 (L) – HERMES 3	250
Mounting elements for ALFA 210/25/3 (L) – CROSS 3	250
Mounting elements for ALFA 240/30/4 (L) – ARES L 4	250
Mounting elements for ALFA 240/30/4 (L) – HERMES 4	250
Mounting elements for ALFA 240/30/4 (L) – CROSS 4	250

ALFA	150/6/2,2	170/7/2,6	220/8/3	550/25/3	180/23/3	240/30/4	750/12/3	1000/18/4	210/25/3	240/30/4
Working width [m]	2,2	2,6	3,0	3,0	3,0	4,0	3,0	4,0	3,0	4,0
Hopper capacity [dm ³]	150	170	220	550	180	240	750	1000	210	240
No. of coulters [pc.]	6	7	8	25	23	30	12	18	25	30
Weight [kg]	90	100	120	265	160	220	230	320	180	240

STANDARD EQUIPMENT

- » driving wheel
- » components for spreading aftercrop and fertilizer
- » agitator shaft
- » painted metal hopper
- » hopper made of acid resistant steel ALFA 750/12/3; ALFA 1000/18/4
- » sowing control by shaft displacement
- » components for assembling to KOS skimming unit
- » Helical groove metering units
- » tarpaulin



ALFA 750/12/3 mounted on the front threepoint linkage/hitch



ALFA 180/23/3 (with spreading bar) mounted on POLONEZ seed drill

ETA 200 / 500

Pneumatic broadcast seeder



ploughs

cultivation

SEEDING
EQUIPMENT

combination
seed drills

disc, rotary
& flail mowers

rakes & tedders

bale wrappers
combination

bale
wrappers

mineral
fertilization

manure
fertilization

potato
technology

transport

protection

storage



ETA 500

STANDARD EQUIPMENT

- » air conduit, 25 m
- » sowing roller for fine seeds – 1 pc.
- » sowing roller for coarse seeds – 1 pc.
- » agitator
- » set of electrical wires
- » measuring chute, installation plate
- » scatterer – 8 pc.
- » single-section distributor for hydraulic drive version
- » multifunction control computer 3.2



ELECTRIC DRIVE ETA 200



HYDRAULIC DRIVE ETA 500



Scatterer

MODEL	200 ELECTRIC DRIVE	500 HYDRAULIC DRIVE
ETA	3 600	7 700

ACCESSORIES AT EXTRA CHARGE

multifunction control computer, v. 5.2 *	460
air conduit [per linear m] *	5
speed control radar sensor – 3-point linkage/hitch *	1 210
speed control radar sensor – work carriage *	1 210
speed control sensor – road wheel *	200
seed scatterer (additional) [per pc.] *	30
extension cable [per pc.] *	220
hex shaft for installation of scatterers [per linear m] *	20
cultivator mountings - complete	490



Control computer, v. 5.2 *

Features:

- » sowing roller adjustment and control
- » electronic metering of sown material
- » discharge
- » hectare counter
- » operating time counter

ETA	200	500
Working width [m]	1÷6 m (electric drive) 1÷7 m (hydraulic drive, 8 outputs) 1÷12 m (hydraulic drive, 16 outputs) – connection on distribution tees	
Weight w. electric/hydraulic drive [kg]	60	126
Hopper capacity [dm³]	200	500
Electric parameters	12 V / 25 A	12 V / 25 A

DELTA

Pneumatic precision drill for maize/corn



DELTA D K6 H – 3m width in transport position

STANDARD EQUIPMENT

- » 825/ø22 and 28 mm suspension
- » rigid frame, model K6 H telescopic frame
- » skid coulters of sowing sections
- » disc coulters of sowing sections – version D
- » fertilizer distributor with fertilizer skid coulters; hoppers made of carbon steel; capacities: K4 2×200 dm³, K6H 1×850 dm³, K6H – 1×850 dm³, K8 4×200 dm³
- » support wheels 370×165 mm
- » hydraulic marker trigger with two cylinders
- » vacuum gauge
- » integrated drive of all sections
- » 6-speed gearbox
- » system of fast drainage of the sowing hopper
- » continuously variable adjustment of working depth
- » sowing section supported on a parallelogram system
- » seed hoppers 54L



Skid coulters



Disc coulters



Metering unit

Depending on seed calibration, DELTA can be fitted with discs of various number and diameters of holes. Negative pressure sucks-up seed to the holes and cleaning sweeps remove the excess of seeds.



PM100E single-function computer

It monitors sowing process and displays faults in individual sections.

MODEL	K4	K6	K6H	K8
DELTA	11 400	16 000	18 000	18 800
DELTA D	12 400	17 500	19 400	20 700

ACCESSORIES AT EXTRA CHARGE

surcharge for fertilizer distributors made of ss sheet (for K4, 1x 750 dm³)	590
surcharge for fertilizer distributors made of ss sheet (for K6, 1x 850 dm³)	820
surcharge for fertilizer distributors made of ss sheet (for K8, 4 x 200 dm³)	1 310
surcharge for a set of disc coulters for fertilizer distributor (for K4)	590
surcharge for a set of disc coulters for fertilizer distributor (for K6)	880
surcharge for a set of disc coulters for fertilizer distributor (for K8)	1 180
surcharge for set of support wheels 500x165mm (K4)	490
surcharge for set of support wheels 500x165mm (K6)	740
surcharge for set of support wheels 500x165mm (K8)	980
surcharge for extension package for hooper 500I INOX (to K6)	330
additional sowing discs (price per pcs)	70
MICRO dose for K4	1 010
MICRO dose for K6H	1 500
PTO shaft DK 6x6 DELTA*	130
PTO shaft DK 6x8 DELTA*	130
PM100E single-function computer	1 470
PM300E multifunction computer	2 290
transport carriage (for 6 and 8 row version)	3 070
road lighting*	430

DELTA	K4	K6	K6H	K8
Working width [m]	3,0	4,2	4,5 / 3,0	6,0
Capacity hoppers [dm³]	4×54	6×54	6×54	8×54
No. of coulters [pc.]	4 sections	6 sections	6 sections	8 sections
Weight [kg]	1050	1350	1570	1700
Power demand [HP]	60	60	80	80

GAMMA

Mechanical precision drill for maize/corn



ploughs

cultivation

SEEDING
EQUIPMENT

combination
seed drills

disc, rotary
& flail mowers

rakes & tedders

balers/wrappers
combination

bale
wrappers

mineral
fertilization

manure
fertilization

potato
technology

transport

protection

storage



GAMMA 6 plus

STANDARD EQUIPMENT

- » suspension axle: $\varnothing 60-825/\varnothing 36$ mm
- » mechanical sowing system
- » hydraulic marker trigger with two cylinders
- » fertilizer distributor 2 x 550 dm³ made of acid-resistant steel with disc coulters
- » sowing section with coulters discs
- » precise adjustment of sowing depth and seed pressure
- » power transmission between sections with cardan shaft



Seed sowing apparatus

Depending on the seed, you can select appropriate sowing disc. The disc may be made with holes of various number and diameter, depending on the seed calibration. A horizontally-mounted disc collects caryopses falling into the holes, while the excess of seed is gathered by a special scraper.



Fertilizer metering unit

Peg wheel for distribution of fertilizers. Dose can be set on gearboxes



Disc coulters

Double-disc coulters with ground-following wheel for setting sowing depth.



Disc coulters for fertilizers

Double-disc coulters with massive spring pressure.

MODEL	6 PLUS	8 PLUS
GAMMA	20 200	24 500

ACCESSORIES AT EXTRA CHARGE

transport carriage (GAMMA 6 plus) *	3 070
transport and working carriage (GAMMA 8 plus) *	5 350
PM300E multifunction computer *	2 290
set of discs for sunflower (GAMMA 6 plus) *	690
set of discs for sunflower (GAMMA 8 plus) *	920
road lighting *	430



Transport system

For convenient movement on highways, special transport wheels and hook attachment for tractors can be used.



PM300E multifunction computer

With photocells used at each section, it is possible to control the sowing process precisely, by e.g.:

- monitoring of number of sown seeds per hectare
- monitoring of seed spacing in each row
- monitoring of number of sown seeds per 1 sq. m

GAMMA	6 PLUS	8 PLUS
Working width [m]	4,5	6
Hopper capacity [dm ³]	6x80	8x80
No. of coulters [pc.]	6 sections	8 sections
Weight [kg]	2100	2580
Power demand [HP]	100 ÷ 120	120 ÷ 150

KRUK

Mechanical precision seed drill for vegetables



KRUK B4

STANDARD EQUIPMENT

MANUAL VERSION

- » manual version
- » passage marker
- » sowing body made of aluminium
- » set of sowing cups
- » chain drive from the front ground-following wheel
- » openwork ground-following wheels
- » set of toothed wheels
- » drag chain

MOUNTED VERSION

- » 675/ø28 mm suspension
- » 2, 3, 4 sections
- » width of support frame: 3,0m
- » adjustable rubber support wheels
- » 3-point linkage/hitch
- » 8 sets of sowing cups

MODEL	A (MANUAL)	A2	A3	A4
KRUK (SINGLE ROW VERSIONS)	600	2 200	2 900	3 600

MODEL	B (MANUAL)	B2	B3	B4
KRUK (DOUBLE-ROW VERSIONS)	1 000	3 100	4 300	5 400

ACCESSORIES AT EXTRA CHARGE

tractor section, one-row *	700
tractor section, two-rows *	1 160
hydraulic marker trigger on two cylinders *	920



KRUK B

KRUK B is a manual, two-row version, while the B2, B3, B4 marking describe versions mounted to the tractor – 2, 3 or 4 two-row sections accordingly.



Tractor section

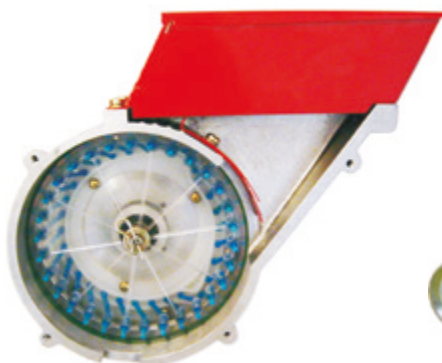
Frame-mounted sections differ from the manual versions with coulter, clamping wheel and fixing to the parallelogram.

Sowing elements

The size of sowing cups should be selected according to the seed calibration.

Sowing elements

Aluminium design prevents charging of fine seeds with static electricity.



KRUK	A	A2	A3	A4	B	B2	B3	B4
Working width [m]	—	1,8	1,8	1,8	—	1,8	1,8	1,8
Hopper capacity [dm³]	0,45	2×0,45	3×0,45	4×0,45	2×0,45	4×0,45	6×0,45	8×0,45
No. of coulters [pc.]	1 row	2 rows	3 rows	4 rows	2 rows	4 rows	6 rows	8 rows
Weight [kg]	13	126	149	172	23	156	194	232
Power demand [HP]	manual	30	30	30	manual	30	30	30

COMBINATION SEED DRILLS



PLUS 400/3

Mechanical combination seed drill



PLUS 400/3D

STANDARD EQUIPMENT

- » hoe coulters
- » single-disc coulters (D version)
- » two-piece integrated metering rollers for cereals and rape
- » variable gear
- » electric process paths
- » hydraulic marker trigger with two cylinders
- » Starter Seed control
- » central and individual clamping of coulters
- » grating inside hopper
- » loading platform
- » firmer
- » front sectional string roller
- » two rows of SU tines
- » rear Packer roller, ø460mm



PLUS 400/3D

MODEL	400/3	400/3D
PLUS	11 600	13 200

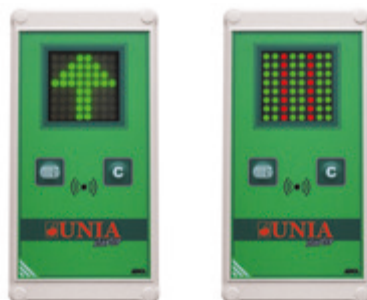
ACCESSORIES AT EXTRA CHARGE

road lighting *	150	150
hydraulic pre-emergence process paths *	880	880
pressure and ground following unit *	—	1 260



Process paths

electrically controlled



STARTER Seed

Easy-to-use marker that counts passages and opens and closes process paths in auto mode together with pre-emergence process paths

PLUS	400/3	400/3 D
Working width [m]	3	3
Hopper capacity [dm³]	400	400
Type of coulters	Hoe coulter	Disc coulter
No. of coulters [pc.]	25	25
Sowing depth [cm]	0 ÷ 7	0 ÷ 7
Weight of the combination unit [kg]	1200	1350
Power demand [HP]	70	70



PLUS 700/3

Mechanical combination seed drill



ploughs

cultivation

seeding
equipment

COMBINATION
SEED DRILLS

disc, rotary
& flail mowers

rakes & tedders

balers/wrappers
combination

bale
wrappers

mineral
fertilization

manure
fertilization

potato
technology

transport

protection

storage



PLUS 700/3

STANDARD EQUIPMENT

- » suspension axle $\varnothing 60$ -725/ $\varnothing 36$ mm (model PLUS)
- » suspension axle:
 - » $\varnothing 60$ -825/ $\varnothing 36$ mm (model PLUS T)
 - » suspension axle: 825/ $\varnothing 36$ mm (model PLUS A)
- » Hoe coulters
- » Single-disc coulters (version D)
- » two-piece integrated metering rollers for cereals and rape
- » variable gear
- » electric process paths
- » hydraulic marker trigger with two cylinders
- » Starter Seed control
- » central and individual clamping of coulters
- » grating inside hopper
- » loading platform
- » Firmer
- » Supports for detachable seed drill



Supports for detachable seed drill facilitate mounting the seed drill on the combination unit.

MODEL	700/3	700/3D
PLUS S	14 000	15 700
PLUS T	—	18 600
PLUS A	18 900	20 600
PLUS (SEEDER)	8 700	10 300

ACCESSORIES AT EXTRA CHARGE

road lighting *	150	150
hydraulic pre-emergence process paths *	880	880
surcharge for rubber roller, $\varnothing 500$ mm	1 260	1 260
pressure and ground following unit *	—	1 260



PLUS S set

- seeder PLUS
- tine aggregate
- string roller $\varnothing 300$ mm,
- 3 rows of SU-tines rear
- Packer roller $\varnothing 500$ mm



PLUS T set

- seeder PLUS
- disc aggregate
- two rows of disc 460 mm,
- rear Packer roller $\varnothing 500$ mm



PLUS A set

- PLUS A set
- seeder PLUS
- active aggregate 14 rotors
- with vertical blades 250 mm
- long, rear Packer roller
- fi 460 mm

PLUS	S 700/3	S 700/3 D	T 700/3 D	A 700/3	A 700/3 D
Working width [m]	3	3	3	3	3
Hopper capacity [dm ³]	700	700	700	700	700
Type of coulters	hoe coulters	disc coulters	disc coulters	hoe coulters	disc coulters
No. of coulters [pc.]	25	25	25	25	25
Weight [kg]	1680	1850	1800	2100	2230
Power demand [HP]	120	120	120	140	140



FS T DRIVE 1000/3, 1000/4

Pneumatic combination seed drill



FS T DRIVE 1000/3

STANDARD EQUIPMENT

A + PACKAGE

- » semi-mounted axle, ø60-825/ø28 mm (3 m version)
- » semi-mounted axle, ø60-965/ø36 mm (4 m version)
- » drawbar with hitch beam
- » cultivator – two rows of 460 mm disc coulters, protected with rubber dampers
- » hydraulic marker trigger with two cylinders
- » electric process paths
- » air-controlled FS seed control system
- » fan driven by hydraulic motor (flow rate: 24 L/min)
- » variable gear
- » sowing units with peg wheels and adapters for fine seeds
- » manometer - for pressure control depending on type of seeds
- » loading platform
- » side deflectors
- » firmer with independent fingers



SUPERIOR

is a solution that brings together various Unia machines and allows them to operate on a single panel. Features: give names to fields and seeds, current application rate control, electronic control of calibration test, electronic control of seeding, the amount of seed in the hopper, planning of technological paths, information about the position of markers triggers.

MODEL	1000/3	1000/4
FS T DRIVE	27 700	37 500

ACCESSORIES AT EXTRA CHARGE

PACKAGE PRO	1 960	2 450
PACKAGE PREMIUM	6 850	9 130
compacting and ground following unit (for A or PRO package) *	1 930	2 580
1500 dm ³ hopper (option available only with new machine)	490	590
hydraulic pre-emergence process paths *	880	880
hitch Packer, front (rigid wheels 195x15) *	1 800	1 800
mechanical front board	1 930	2 610
on-board hydraulics (pto-driven pump + oil tank + cooler)	2 900	2900
electrohydraulic drill control (HYDROMAX)	3 590	3 590
R14 multifunction computer	1 340	1 340
Superior computer - multifunction control (arranger of wheels, electric test calibration and work)	3 230	3 230
road lighting *	430	430

A PACKAGE

- » alternating coulter, SHELL ø300 mm
- » clamping force 25 kg/coulter
- » spacing 12.5 cm
- » tyre roller, 670 mm
- » diagonal tyres

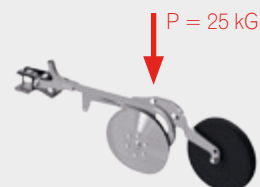
PAKIET PRO

- » alternating coulter, SHELL ø300 mm
- » clamping force 25 kg/coulter
- » spacing 12.5 cm
- » tyre roller, 800 mm
- » diagonal tyres

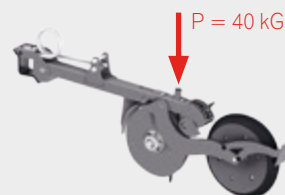
PAKIET PREMIUM

- » coulter "V-TECH" ø300 mm
- » clamping force 40 kg/coulter
- » spacing 15 cm
- » tyre roller, 800 mm
- » diagonal tyres
- » Compacting and ground-following wheel 350x78 mm

FS T DRIVE	1000/3	1000/4
Working width [m]	3	4
Hopper capacity [dm ³]	1000	1000
Type of coulters	disc	disc
No. of coulters [pc.]	24	32
Weight [kg]	2850	3250
Power demand [HP]	100	140



alternating coulter, **SHELL** ø300 mm
clamping force 25 kg/coulter
Compacting and ground-following wheel 300x50 mm



alternating coulter, **V-TECH** ø300 mm
clamping force 40 kg/coulter
Compacting and ground-following wheel 350x78 mm

FS T DRIVE 1000/3, 1000/4



ploughs

cultivation

seeding
equipment

COMBINATION
SEED DRILLS

disc, rotary
& flail mowers

rakes & tedders

bales/wrappers
combination

bale
wrappers

mineral
fertilization

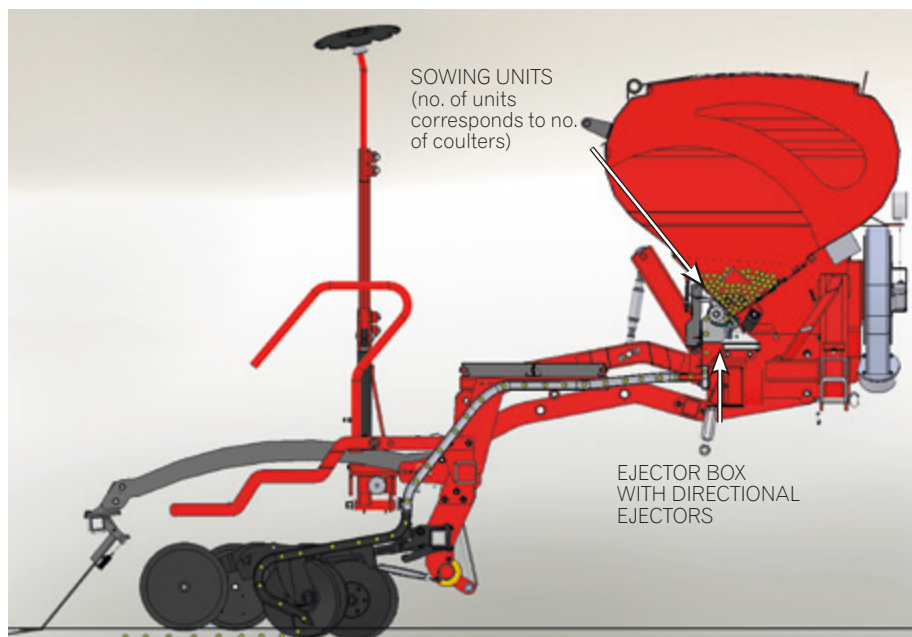
manure
fertilization

potato
technology

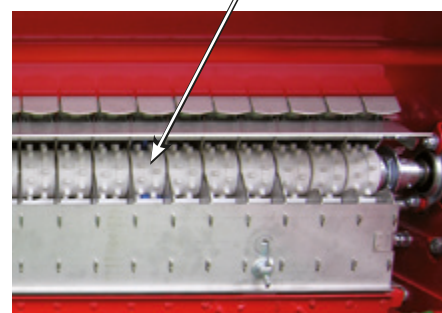
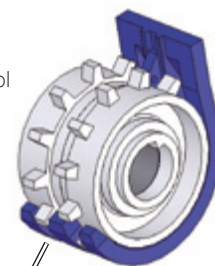
transport

protection

storage



Modern sowing control
system with adapters
for fine seeds



FS SOWING SYSTEM

Seed metering is provided by metering units, speed of which is controlled by the variable gear. The metered amount of seeds flows into individual ejectors installed in the ejector box, from where they are entrained by air and transported to the coulters.

FS sowing system. No. of metering units
corresponds to No. of coulters

HYDROMAX

control module for hydraulics facilitating unit hydraulic circuits. Powering made by one pair of hydraulic connectors. All control functions carried out by UNI-Control controller



1. hydraulic pre-emergence process paths
2. ø300 mm coulters with compacting and ground-following unit
3. hydraulic marker trigger with two cylinders
4. 800 mm tyre roller, diagonal tyres
5. side deflectors

6. 460 mm discs with rubber dampers
7. oil tank
8. mechanical front board
9. front hitch Packer

FS 1000/3, 1000/4

Pneumatic combination seed drill



FS T 1000/3

STANDARD EQUIPMENT

- » semi-mounted axle, ø60-825/ø36 mm (FS, FS, T version)
- » suspension ø825/ø28 mm (FS, A 3m version)
- » suspension ø825/ø36 mm (FS, A 4m version)
- » air-controlled seed control system (FS version)
- » fan driven by hydraulic motor (flow rate: 24 L/min)
- » alternating disc and self-cleaning coulters "SHELL" - ø300 mm; clamping force P = 25 kg
- » variable gear
- » sowing units with peg wheels and adapters for fine seeds
- » hydraulic marker trigger with two cylinders
- » electric process paths
- » pressure gauge
- » loading platform
- » deflectors: side (FS T)
- » firmer



Drive of seeding shaft from the massive spur wheel



Precise variable gear to adjust the seed dose.



alternating disc and self-cleaning coulters "SHELL" ø300 mm; clamping force P = 25 kg / coulters Compacting and ground-following wheel 300×50 mm

MODEL	1000/3	1000/4
FS S	20 200	—
FS T	23 000	29 000
FS A	25 000	30 800

ACCESSORIES AT EXTRA CHARGE

compacting and ground following unit *	1 930	2 580
surcharge for rubber roller 500 mm	1 260	1 800
hydraulic pre-emergence process paths *	880	880
R14 multifunction computer	1 340	1 340
Superior computer - multifunction control (arranger of wheels, electric test calibration and work)	2 610	2 610
road lighting	430	430

FS S set

– seeder FS
– tine aggregate:
string roller, 300 mm
3 rows of SV-tines
rear Packer roller ø500 mm

FS T set

– seeder FS
– disc aggregate:
two rows of disc 460 mm,
rear Packer roller ø500 mm

FS A set

– seeder FS
– active aggregate:
12 rotors with vertical blades
280mm long, rear Packer
roller fi 500mm front and rear
leveling bar, PTO shaft

FS	S 1000/3	T 1000/3	T 1000/4	A 1000/3	A 1000/4
Working width [m]	3	3	4	3	4
Hopper capacity [dm³]	1000	1000	1000	1000	1000
Type of coulters	disc	disc	disc	disc	disc
No. of coulters [pc.]	24	24	32	24	32
Weight [kg]	2350	2450	2840	2480	2860
Power demand [HP]	130	140	180	140	180

FS 2000/3, 2400/4

Pneumatic combination seed drill



ploughs

cultivation

seeding
equipment

COMBINATION
SEED DRILLS

disc, rotary
& flail mowers

rakes & tedders

bales/wrappers
combination

bale
wrappers

mineral
fertilization

manure
fertilization

potato
technology

transport

protection

storage



FS 2400/4

STANDARD EQUIPMENT

- semi-mounted axle, ø70-90/ø36 mm
- front Packer roller, 800 mm, with steerable wheels size 7.5x16
- two rows of ø460 mm discs, protected by rubber dampers
- transport and compacting tyre roller, 800 mm dia., wheel size: 7.5x16
- "double-disc coulters in "V-TECH" configuration, ø300 mm, with 350x78 ground-following wheels, clamping force 40 kg/coulter, spacing: 15 cm"
- fan driven by hydraulic motor flow rate: 24 l/min., with independent hydraulic system (pump mounted on PTO-shaft + oil tank with level & temperature reader, radiator with thermostat)
- R14 multifunction computer – counting ha, planning process paths
- hydraulic marker trigger with two cylinders
- sowing rollers with adapter (1 or 2 tracks) for fine seeds
- loading platform with steps
- central and individual clamping of coulters
- device for seed calibration test
- variable gear (sowing range: 2+400 kg/ha)
- pressure gauge - to controll correct air pressure in transport lines
- side deflectors
- firmer with individual clamping force

MODEL

PRICE

FS 2000/3

45 600

FS 2400/4

52 800

ACCESSORIES AT EXTRA CHARGE

hydraulic pre-emergence process paths

880

hydraulic front board (3 m)

2 120

hydraulic front board (4 m)

2 940

Superior computer - multifunction control (arranger of wheels, electric test calibration and work)

3 230

road lighting

430



Modern FS seed control system with adapters for fine seeds



Hydraulic front board (option)



Front hitch Packer (steerable), ø800 mm



Massive coulter with simple depth control system



Double disc coulters in "V-TECH" configuration ø300 mm
Max clamping force P = 40 kg/coulter
Compacting and ground-following wheel 350x78 mm

FS	2000/3	2400/4
Working width [m]	3	4
Hopper capacity [dm³]	2000	2400
Type of coulters	disc V-TECH	disc V-TECH
No. of coulters [pc.]	20	28
No. of discs [pc.]	24	32
Weight [kg]	4300	4700
Power demand [HP]	120-140	140-160

FENIX 700/3

Pneumatic combination seed drill



FENIX A 700/3

STANDARD EQUIPMENT

- » suspension axle: ø60-825/ø36 mm (models FENIX, FENIX T)
- » 825/ø28 mm suspension (model FENIX A 3 m)
- » air-controlled seed control system (FENIX System) – single sowing unit
- » hoe coulters
- » alternating double-disc and self-cleaning
- » "SHELL" coulters, ø300 mm (D version); clamping force P = 25 kg/coulter
- » hydraulic marker trigger with one cylinder
- » electric process paths based on 2 sowing units (COMBI solenoid valves – seed return to the hopper)
- » fan driven by hydraulic motor with flow rate of 24 L/min
- » pressure gauge to control constant air pressure
- » side deflectors (Fenix T)
- » firmer with individual clamping force



Supports for detachable seed drill facilitate mounting the seed drill on the combination unit

MODEL	700/3	700/3D
FENIX S	16 200	18 900
FENIX T	—	20 600
FENIX A	19 900	22 700
FENIX (SEEDER)	10 800	13 600

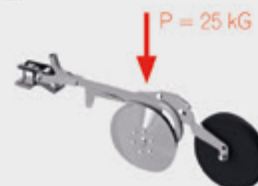
ACCESSORIES AT EXTRA CHARGE

compacting and ground following unit	—	1 930
R14 multifunction computer	1 340	1 340
Superior computer - multifunction control (arranger of wheels, electric test calibration and work)	2 610	2 610
surcharge for electric drive of sowing shaft (fenix) + Computer Drill Control	3 690	3 690
surcharge for rubber roller 500 mm	1 260	1 260
surcharge for hydraulic marker trigger with two cylinders	950	950
hydraulic pre-emergence process paths	880	880
technology paths on 3 apparatus	400	400
supports for detachable seed drill	480	480
cover of distributor for sowing every other row	360	360
cover of distributor for sowing with half of seed drill	430	430
road lighting	430	430

FENIX	S 700/3	S 700/3 D	T 700/3 D	A 700/3	A 700/3 D
Working width [m]	3	3	3	3	3
Hopper capacity [dm³]	700	700	700	700	700
Type of coulters	hoe	disc	disc	hoe	disc
No. of coulters [pc.]	24	24	24	24	24
Weight [kg]	1690	1850	1910	1950	2120
Power demand [HP]	110	120	120	120	120



Hoe coulter



Alternating double-disc coulter ø300 mm
Max clamping force P = 25 kg/coulter
Compacting and ground-following wheel 300x50 mm

FENIX 700/3



ploughs

cultivation

seeding
equipment

COMBINATION
SEED DRILLS

disc, rotary
& flail mowers

rakes & tedders

bales/wrappers
combination

bale
wrappers

mineral
fertilization

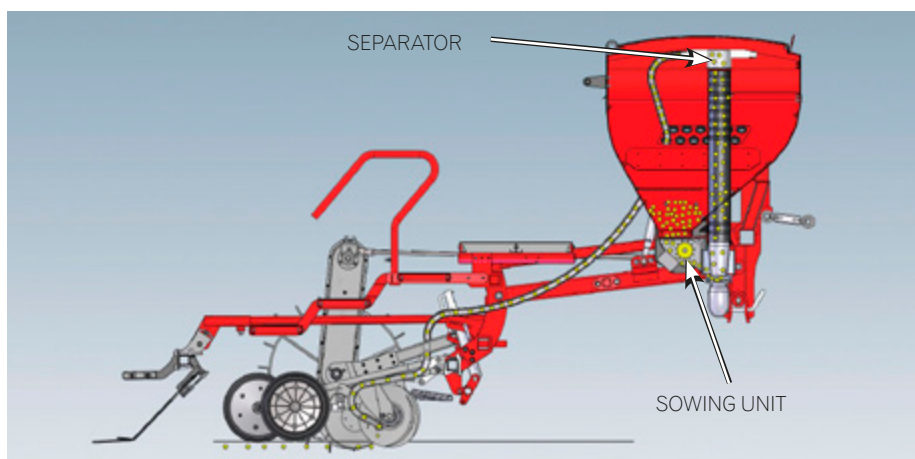
manure
fertilization

potato
technology

transport

protection

storage



FENIX sowing system

seed dosage done with universal sowing unit. Air supplied from fan transfer seed by ribbed pipe to separator to be delivered to coulter through hoses



SEED SEPARATOR

seed is equally divided by separator located inside hopper. Technological paths closed by COMBI valves which direct air back to hopper

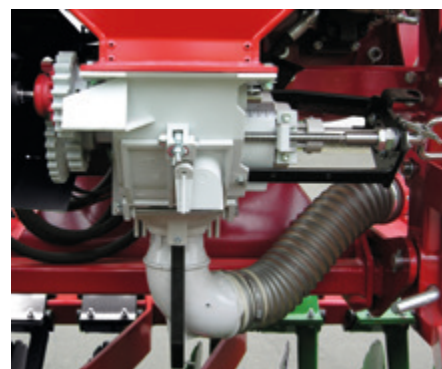


SUPERIOR

- » current control of sowing dose
- » electronic control of calibration test,
- » percentage level control of seeds
- » technological paths planning
- » hectare counter
- » operating speed indicator
- » operating productivity at specific speed
- » fan speed rate
- » information about the position of markers triggers.
- » 10 independent work record fields
- » work time
- » information about equipment failure

Advantages of Superior

- » 5,7 inch color screen (machine visualisation)
- » illuminated buttons (night mode)
- » joystick (comfort of work)
- » USB port for data transfer
- » touchpad (simple data input)
- » one controller to operate range of UNIA machines



SOWING UNIT

universal sowing unit allows to sow tiny and thick seed without switch of sowing roll



R14 multifunction computer

- » Counts passages between markers
- » Opens and closes process paths in auto mode
- » Signals minimum seed levels
- » Displays daily and total productivity

FENIX 3000/4 **NEW**

Pneumatic combination seed drill



FENIX 3000/4

STANDARD EQUIPMENT

- » semi mounted axle cat. III
- » Front hitch Packer (steerable), 4x ø800 mm wheels
- » two rows of ø485 mm discs, protected by rubber dampers; maintenance-free bearings
- » transport and compacting tyre roller, diameter 910 mm , (wheel size: 420/55-17)
- » double-disc coulters ø350 mm in "V-TECH" configuration, , with 300x50 mm copying wheels, clamping force 40 kg/coulter
- » 12,5cm coulter spacing
- » pressure adjustment on sowing fields
- » hydraulically powered fan (flow 16l/min)
- » Hydromax control module for hydraulics
- » pressure gauge - to maintain correct air pressure inside transport pipes
- » Drill controll unit - radar sensed speed control, available modification of sowing dose, technological paths planning
- » hydraulic markers are closing along the machine
- » loading platform with steps
- » side deflectors
- » firmer with individual coulters
- » transport width 3,0 m
- » transport wheels 420/55-17
- » road lighting

MODEL

PRICE

FENIX 3000/4

61 900

ACCESSORIES AT EXTRA CHARGE

hydraulic front board *

3 260

hydraulic pre-emergence process paths *

880



Double disc coulters V-Tech

disc diameter 350 mm
Copying wheel 300x50 mm
P = 40 kg/coulter
planting spacing 125mm



Transport-packing tire roller

Size of wheels 420/55-17 (dia 910 mm)
adjustable wheel system easier work on light soil
in traditional technology



DRILL Control – radar controlled electronic seeding controlled by electric motor



Transport system with pneumatic brake and four transport wheels ensures high stability of the machine for transport.

FENIX	3000/4
Working width [m]	4
Hopper capacity [dm³]	3000
Type of coulters	disc coulters V-TECH
No. of coulters [pc.]	32
No. of discs [pc.]	32
Weight [kg]	6500
Power demand [HP]	140–160

FENIX 3000/6

Pneumatic combination seed drill



ploughs

cultivation

seeding
equipment

COMBINATION
SEED DRILLS

disc, rotary
& flail mowers

rakes & tedders

bales/wrappers
combination

bale
wrappers

mineral
fertilization

manure
fertilization

potato
technology

transport

protection

storage



FENIX 3000/6

STANDARD EQUIPMENT

- » semi mounted axle cat. III
- » two rows of discs of $\varnothing 485$ mm, protected by rubber damper; maintenance-free bearings
- » transport and compacting roller diameter $\varnothing 800$ mm (wheels 7,5x16)
- » double disc coulters in "V-TECH" configuration , diameter 300 mm with copying wheels 350x78 mm, clamping 40 kg/coulter in distance of 15 cm. Adjustment of pressure on seeding fields.
- » fan driven by hydraulic motor (flow rate: 24 l/ min)
- » HYDROMAX steering unit of hydraulic
- » pressure gauge – for proper air pressure in pipes
- » steering of sowing dose Drill Control – control of your speed using the radar sensor, the ability to change application rate, planning technological paths
- » hydraulic markers are closing along the machine
- » loading platform with steps
- » side deflectors
- » firmer integrated with coulters for drainage of sowing rows
- » width of transport 3 m, transport wheels 500/45-22,5
- » road lighting

MODEL

PRICE

FENIX 3000/6

71 700

ACCESSORIES AT EXTRA CHARGE

hydraulic front board *

3 920

hydraulic pre-emergence process paths *

880



combined seed drill Fenix 3000/6 equipped with set of reconsolidation discs adjustable independently by depth limiting plates

Tyre roller with depth adjustment on wheels allows equal soil compacting before seeding

Excellent connection of seed with soil ensured by heavy disk coulters with adjustable tension and wheels limiting sowing depth

FENIX	3000/6
Working width [m]	6
Hopper capacity [dm ³]	3000
Type of coulters	talerzowe V-TECH
No. of coulters [pc.]	40
No. of discs [pc.]	48
Weight [kg]	7600
Power demand [HP]	190–240



DRILL Control – radar controlled electronic seeding controlled by electric motor .



Transport system with pneumatic brake and four transport wheels ensures high stability of the machine for transport.

DISC, ROTARY & FLAIL MOWERS



ALKA L

Side-mounted disc mower



ALKA L

STANDARD EQUIPMENT

- » quick blade replacement
- » disc individual protection
- » hydraulic folding for transport
- » swath disc
- » load relieving spring
- » overrun safety switch
- » set of baldes
- » PTO shaft (6×6, 460 Nm) with unidirectional clutch



Cylinder lifts the mowing unit for transport at 90 degrees



Standard version with swath disc on RH side.



Load relieving spring-controls the cutting bar pressure against the ground, which reduces frictional drag and protects turf.

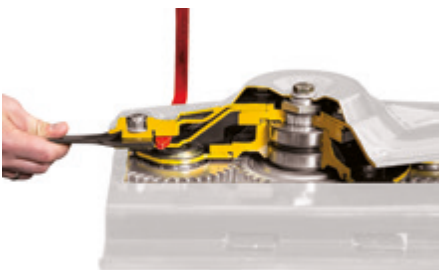
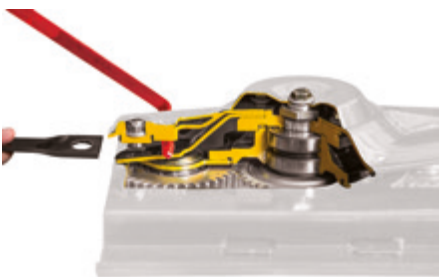
MODEL	PRICE
ALKA L 2,1	5 800
ALKA L 2,45	6 100
ALKA L 2,8	6 400



Individual disc protection-protects the cutting bar against damage and allows quick restoration of the mower to work.



Overrun safety device-protects the machine against damage.



Quick blade replacement on-site

ALKA L	2,1	2,45	2,8
Working width [m]	2,1	2,45	2,8
No. of discs [pc.]	5	6	7
No. of blades [pc.]	10	12	14
Mowing height [mm]	40 ÷ 60	40 ÷ 60	40 ÷ 60
Efficiency [ha/h]	2,1	2,5	2,9
Weight [kg]	437	471	495
Power demand [HP]	50	60	70
PTO speed [RPM]	540	540	540
Transport height [m]	2,58	2,93	3,35
3-point linkage/hitch category	II / III	II / III	II / III
Swath width [m]	1,45	1,8	2,15

ALKA^{XL} C

NEW



Front-mounted disc mower



ALKA XL C

STANDARD EQUIPMENT

- » quick blade replacement
- » hydraulic folding for transport
- » two Alka XLC swath discs
- » swath conditioner for S versions
- » swath press for Z versions
- » guides for swath forming for S versions
- » hydro-pneumatic load relieving
- » set of blades
- » PTO shaft (6×6 or 6×21, 460 Nm) with overload coupling (M=900 Nm)

MODEL

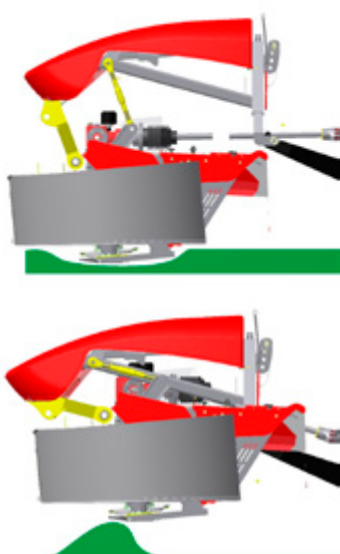
PRICE

ALKA XL C 3,2

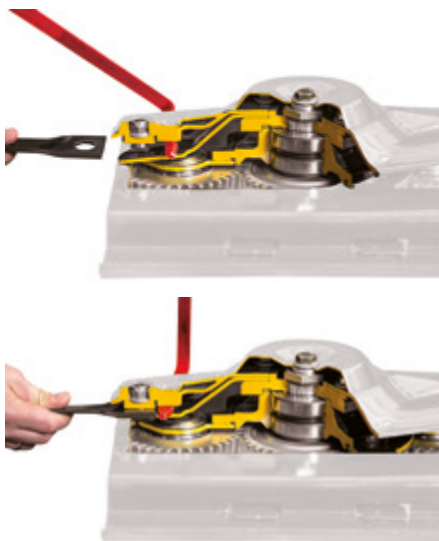
9 700

ALKA XL C 3,2 S

11 500



Ground-following system - parallelogram shape allows work with large tilts and effective bypassing of obstacles.



Quick blade replacement on-site



Swath conditioner

Flexible V-fingers break the swath, what speeds up its drying.



Hydro-pneumatic control of the cutting bar pressure against the ground. Relieving or loading of the bar is continuously adjusted by appropriate pressurizing of the hydraulic system.

ALKA XL C	3,2	3,2 S
Working width [m]	3,2	3,2
No. of discs [pc.]	8	8
Mowing height [mm]	40 ÷ 60	40 ÷ 60
Efficiency [ha/h]	3,2	3,2
Weight [kg]	700	838
Power demand [HP]	90	100
PTO speed [RPM]	1000	1000
3-point linkage/hitch category	II/III	II/III
Swath width [m]	2,2	1,2

ALKA^{CL}

Centrally-mounted disc mower



ALKA CL

STANDARD EQUIPMENT

- » quick blade replacement
- » individual disk protection
- » swath conditioner for S versions
- » two swath discs Alka CL
- » guides for swath forming for S versions
- » hydro-pneumatic load relieving
- » overrun safety switch
- » set of blades
- » PTO shaft (6×6, 830 Nm) with unidirectional clutch and overload coupling (M=1450 Nm)



110° transport position

The low height and perfect balance during transport.



Quick lifting on cross-arms without engaging the rear tractor 3-point linkage/hitch

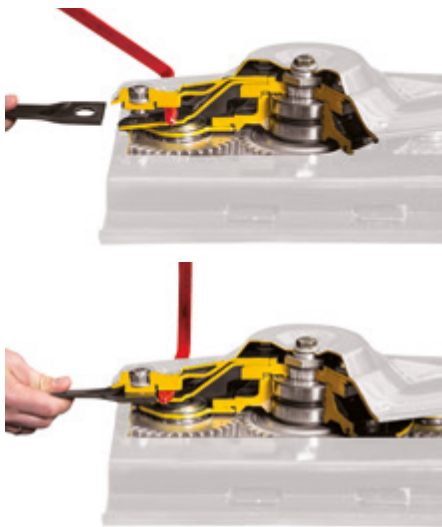


Hydro-pneumatic control of the cutting bar pressure against the ground. Relieving or loading of the bar is continuously adjusted by appropriate pressurizing of the hydraulic system.

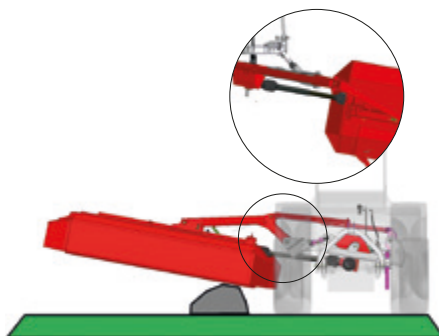
MODEL

PRICE

ALKA CL 2,4	7 800
ALKA CL 2,8	8 700
ALKA CL 2,8 S	11 100
ALKA CL 3,2	9 200
ALKA CL 3,2 S	11 600



Quick blade replacement on-site



The overrun safety device moves the mower backwards and upwards at the time of collision with an obstacle. The mower automatically returns to its working position after bypassing the obstacle

ALKA CL	2,4	2,8	2,8 S	3,2	3,2 S
Working width [m]	2,4	2,8	2,8	3,2	3,2
No. of discs [pc.]	6	7	7	8	8
Mowing height [mm]	40 ÷ 60	40 ÷ 60	40 ÷ 60	40 ÷ 60	40 ÷ 60
Efficiency [ha/h]	2,4	2,8	2,8	3,2	3,2
Weight [kg]	570	700	880	820	1020
Power demand [HP]	70	70	80	80	90
PTO speed [RPM]	540	540	540	540	540
Transport height [m]	2,6	3,2	3,2	3,4	3,4
3-point linkage/hitch category	II/III	II/III	II/III	II/III	II/III
Swath width [m]	1,5	1,8	1,0	2,2	1,2

ALKA¹ XL

Trailed disc mowers



ploughs

cultivation

seeding
equipment

combination
seed drills

DISC, ROTARY
& FLAIL MOWERS

rakes & tedders

balers/wrappers
combination

bale
wrappers

mineral
fertilization

manure
fertilization

potato
technology

transport

protection

storage



ALKA 1 XL 3,2

STANDARD EQUIPMENT

- » quick blade replacement
- » two swath discs ALKA 1 XL
- » swath conditioner for S versions
- » swath press for Z versions
- » guides for swath forming for S and Z versions
- » hydraulically folded drawbar
- » set of blades
- » PTO shaft (6×6, 460 Nm) with overload coupling (M=900 Nm),



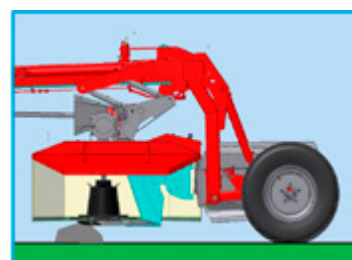
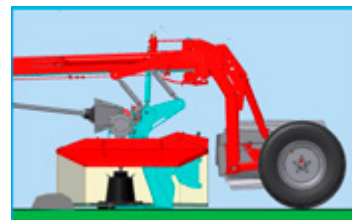
Swath press

Two profiled drums press the swath, what speeds up its drying.



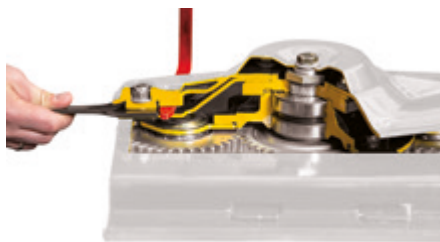
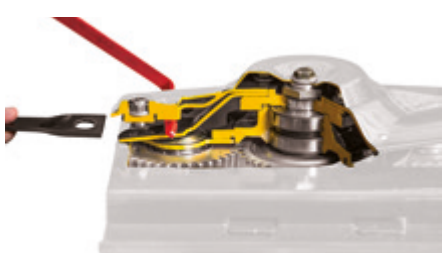
Swath conditioner

Flexible V-fingers break the swath, what speeds up its drying.



Individual disc protection protects the cutting bar against damage and allows rapid restoration of the mower to work.

MODEL	PRICE
ALKA 1XL 3,2	14 000
ALKA 1XL 3,2 S	15 700
ALKA 1XL 3,2 Z	17 400



Quick blade replacement on-site

ALKA	1 XL 3,2
Working width [m]	3,2
No. of discs [pc.]	8
Mowing height [mm]	40 ÷ 60
Efficiency [ha/h]	3,2
Weight [kg]	1390
Power demand [HP]	80
PTO speed [RPM]	1000
Transport height [m] 3-point linkage/hitch category	II/III
Swath width [m]	2,2

MEWA

Rotary mower



MEWA 2,1

STANDARD EQUIPMENT

- » 3-point linkage/hitch
- » two working drums
- » metal top cover
- » lower cover made of Plavil
- » overrun safety device
- » swath conditioner for models
- » MEWA 1,85 K & MEWA 2,1 K
- » PTO shaft (6×6, 460 Nm) with unidirectional clutch, models MEWA 2,1 & MEWA 2,1 K

MODEL

PRICE

MEWA 1,65	2 300
MEWA 1,85	2 900
MEWA 1,85 K	4 600
MEWA 2,1	3 700
MEWA 2,1 K	5 400

ACCESSORIES AT EXTRA CHARGE

hydraulic lifting system (MEWA 1,65) *	360
hydraulic lifting system (MEWA 1,85 /2,1) *	440
drive shaft (6×6, 460 Nm) (MEWA 1,65/1,85/1,85 K) *	100



Transport position

Mowers with cylinder can be set at the side of the tractor.

The conditioning intensity can be adjusted.



Swath conditioner

Flexible V-fingers condition the swath, what allows its drying

MEWA	1,65	1,85	1,85 K	2,1	2,1 K
Working width [m]	1,65	1,85	1,85	2,1	2,1
Efficiency [ha/h]	1,7	2,0	2,0	2,4	2,4
No. of blades [pc.]	6	6	6	8	8
Power demand [HP]	40	40	60	80	80
Weight [kg]	360	430	540	520	640



KOSA

STANDARD EQUIPMENT

- » three shredders
- » support wheels with height adjustment
- » PTO shaft (6×6, 460 Nm)
- » working width 1,5 or 1,8
- » side discharge in B version
- » rear discharge in T version
- » front suspension of the tractor Kosa C

MODEL	PRICE
KOSA 1,5 B	1 550
KOSA 1,5 T	1 550
KOSA 1,8 B	1 600
KOSA 1,8 T	1 600

MODEL	PRICE
KOSA C 1,5 B	1 550
KOSA C 1,5 T	1 550
KOSA C 1,8 B	1 600
KOSA C 1,8 T	1 600



Three knives shred grass and reject it back or to the side.



V-belt drive is also a component that protects gear against overloading.



Mowing height can be adjusted with support wheels.

KOSA	1,5 B	1,5 T	1,8 B	1,8 T
Grass discharge	side	rear	side	rear
Working width [m]	1,5	1,5	1,8	1,8
No. of blades [pc.]	3	3	3	3
Range of mowing height [mm]	25 ÷ 100	25 ÷ 100	25 ÷ 100	25 ÷ 100
Blade speed [RPM]	2630	2630	2630	2630
Max slope [°]	12	12	12	12
Power demand [HP]	15 ÷ 30	15 ÷ 30	20 ÷ 40	20 ÷ 40
PTO speed [RPM]	540	540	540	540
Length [m]	1,34	1,34	1,34	1,34
Width [m]	1,78	1,55	2,08	1,88
Height [m]	0,86	0,86	0,86	0,86
Weight [kg]	193	198	200	205

KORNIK L/XL

Rear-mounted flail mower



KORNIX XL

STANDARD EQUIPMENT

- » 705/ø28 suspension (model L)
- » 825/ø22 & 28mm suspension (model XL)
- » working components: hammers
- » mechanical side shift

MODEL	PRICE	MODEL	PRICE
KORNIK L 1,15	2 800	KORNIK XL 1,55	4 500
KORNIK L 1,35	3 000	KORNIK XL 1,8	4 900
KORNIK L 1,6	3 200	KORNIK XL 2,0	5 100
KORNIK L 1,9	3 500	KORNIK XL 2,3	5 400
		KORNIK XL 2,5	5 500
		KORNIK XL 2,8	5 700

ACCESSORIES AT EXTRA CHARGE

cylinder for hydraulic side shift (KORNIK L)	510
cylinder for hydraulic side shift (KORNIK XL)	570
PTO shaft KS 6×6	510
PTO shaft KS 6×8	510
diffusers, KORNIK XL 1.55 assy.	50
diffusers, KORNIK XL 1.8 assy.	70
diffusers, KORNIK XL 2,0 assy.	70
diffusers, KORNIK XL 2.3 assy.	90
diffusers, KORNIK XL 2.5 assy.	90
diffusers, KORNIK XL 2.8 assy.	110
surcharge for blades	50



Working components

Cutting blades (Kornik L – 2 blades on holder)
Cutting blades (Kornik XL – 3 blades on holder)



Working components

KORNIK L – weight of one hammer: 700 g
KORNIK XL – weight of one hammer: 1650 g

KORNIK	L				XL					
Working width [cm]	115	135	160	190	155	180	200	230	250	280
Weight [kg]	254	275	306	336	545	620	655	740	800	885
Power demand [HP]	25 ÷ 35	25 ÷ 35	35 ÷ 45	45 ÷ 60	45 ÷ 60	60 ÷ 75	60 ÷ 75	65 ÷ 80	70 ÷ 85	90 ÷ 105
No. of blades [pc.]	32	40	48	56	36	48	48	60	60	72
No. of hammers [pc.]	16	20	24	28	12	16	16	20	20	24

KORNIK VARIO

Rear and side-mounted flail mower



ploughs

cultivation

seeding
equipment

combination
seed drills

DISC, ROTARY
& FLAIL MOWERS

rakes & tedders

bale wrappers
combination

bale
wrappers

mineral
fertilization

manure
fertilization

potato
technology

transport

protection

storage



KORNİK VARIO 1,9

STANDARD EQUIPMENT

- » 825/ø22 & 28mm suspension
- » working components: hammers

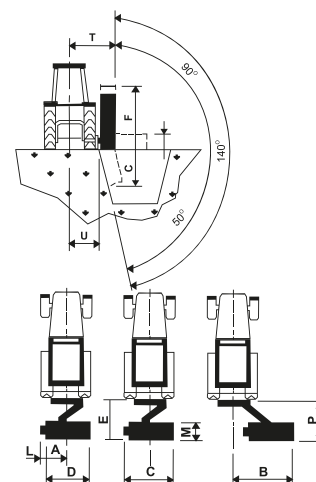


Side gear

The gear is installed to the machine side and allows work along the whole its width outside the tractor outline.



Transport position



MODEL

KORNİK VARIO 1,6

PRICE

5 500

KORNİK VARIO 1,9

5 900

ACCESSORIES AT EXTRA CHARGE

PTO shaft KV 6x6 VARIO (wide angle) *

1 230

PTO shaft KV 6x8 VARIO (wide angle) *

1 230

surcharge for blades

50



Hydraulic control

Hydraulic cylinders allow smooth control of mowing width and angle of inclination to the ground.

KORNİK VARIO	1,6	1,9
Working width [cm]	160	190
No. of blades [pc.]	48	56
No. of hammers [pc.]	24	28
Drive [pc.]	4	4
Weight [kg]	495	540
Power demand [HP]	60	60

VARIO	A	B	C	D	E	F	G	H	L	M	P	S	T	U
	CM	CM	CM	CM	CM	CM	CM	CM	CM	CM	CM	CM	CM	CM
1,6	85	210	178	162	161	247	122	58	16	71	193	47	150	90
1,9	85	237	208	192	161	277	152	58	16	71	193	47	150	90

ORKAN

Soilage cutter



STANDARD EQUIPMENT

- » flail cutting system
- » cutting path length adjusting system
- » cutting height adjustment
- » hydraulic control of blowing channel wheels
- » PTO shaft (6×6, 830 Nm) with unidirectional clutch



Robust flail hammers

work well in all conditions



Control

top blowing channel and chaff outlet guide are hydraulically controlled



Cutting height

can be adjusted by change of wheel position

MODEL

ORKAN 1,35

PRICE

5 600

ORKAN 1,5

6 200



During the transport, the cutter is trailed behind the tractor.

ORKAN		1,35	1,5
Type		mounted	mounted
Mowing width [m]		1,35	1,50
Cutting system		hammer	hammer
No. of blades [pc.]		15	21
Rotor speed [RPM]		1430	1430
PTO speed [RPM]		540	540
Working speed [km/h]		10	10
Blowing control		hydraulic	hydraulic
Tyres		185R15C	185R15C
Transport dimensions [m]	length	3,35	3,55
	width	1,8	1,94
	height	3,48	3,98
Power demand on PTO [HP]		50	60
Weight [kg]		632	709

SAD

Orchard shredder



SAD

STANDARD EQUIPMENT

- » two shredders
- » support wheel
- » skids
- » rear discharge
- » PTO shaft (6×6, 460 Nm) with overload coupling (M=1700 Nm)

MODEL

SAD 1,5

PRICE

1 900



Massive blades shred branches up to 30 mm of cross-section.



Knives are pendulum-suspended and thus, they can be folded in contact with a ground obstacle.



Mowing height can be adjusted with the support wheel.

SAD	1,5
Working width [m]	1,5
No. of blades [pc.]	2
Shredder speed [RPM]	912
Max working speed [km/h]	12
Mowing height [mm]	40÷70
Efficiency [ha/h]	1,5
Weight [kg]	300
Power demand [HP]	30

FOKA

Maize cutter blower



STANDARD EQUIPMENT

- » two circular shear blades
- » 12 shredders
- » control of the blower channel
- » floor for crushing grain
- » shredder grinder
- » trailer hitch
- » PTO shaft (6×6, 830 Nm) with unidirectional clutch

MODEL

FOKA

PRICE

6 800



Control of the blower channel
from the cab



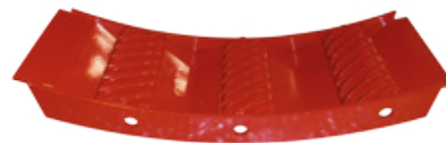
Shear blades

cut the maize/corn stalks and a feeder drums transport them onto the disc with shredders



Shredders

can be sharpened on the machine using standard grinder



Grain crushing floor

ribbed rasp at the bottom of the shredder chamber tears the grain coating

TYP	FOKA
Weight [kg]	520
No. of blades [pc.]	12
Cutting length [mm]	5
Working speed [km/h]	12
Min row spacing [cm]	60
Productivity [t/h]	to 30
Throw control	mechanical
PTO speed [RPM]	540
Power demand on PTO [HP]	45

RAKES & TEDDERS



RAK 1 / 1,12

Single rotary rakes



RAK 1,12

STANDARD EQUIPMENT

- » tandem chassis – Rak 1,12
- » torsion suspension frame – Rak 1,12
- » adjustment of raking height
- » swath limiting screen
- » maintenance-free gear
- » PTO shaft (6×6, 460 Nm) with unidirectional clutch and with overloading coupling (M=1400Nm)



Raking height adjustment is done with manual crank.



Front ground-following wheel causes the rotor even better adapts to the terrain (Rak 1,12)

Torsion suspension frame ensures that the rake follows the driving track exactly (Rak 1,12).



Tandem chassis facilitates following the ground shape (Rak 1,12).

MODEL

RAK 1

PRICE

2 800

RAK 1,12

4 900

ACCESSORIES AT EXTRA CHARGE

front ground following wheel, RAK 1.12 *

150



RAK 1

RAK	1	1,12
Working width [m]	3,4	4,3
Width of formed swath [m]	0,6 ÷ 0,9	0,7
No. of rotors [pc.]	1	1
Rotor dia. [m]	2,7	3,35
No. of raking arms [pc.]	9	12
Efficiency [ha / h]	3,4	4,7
Power demand [HP]	45	45
Weight [kg]	320	490

RAK₂

Double-sided rotary rake



RAK 2

MODEL

RAK 2

PRICE

16 200

STANDARD EQUIPMENT

- » hydraulically adjustable working width
- » hydraulic folding for transport
- » 15x6 ground-following wheels
- » PTO shaft (6x6, 460 Nm) with unidirectional clutch



The unique ground-following system ensures accurate raking and minimizes wearing of parts.



Mechanical interlock – ensures easy movement of the rotors to the field access position and security during transport.



Field access position – allows easy passage over a swath.



Raking height adjustment is done with manual crank and spacers at ground-following wheels.

RAK	2
Working width [m]	6,4÷7,4
Width of formed swath [m]	0,7÷1,7
No. of rotors [pc.]	2
Rotor dia. [m]	3,1
No. of raking arms [pc.]	22
Efficiency [ha / h]	8,5
Power demand [HP]	70
Weight [kg]	1870



Rear wheel steering provides high manoeuvrability of the rake on the headlands.

SPAJDER

Rotor tedder



STANDARD EQUIPMENT

- » four working rotors
- » hydraulic folding for transport
- » angle of spread adjustment
- » grass discharge angle adjustment
- » ground-following wheels size 170-60/8

MODEL

SPAJDER

PRICE

7 200

ACCESSORIES AT EXTRA CHARGE

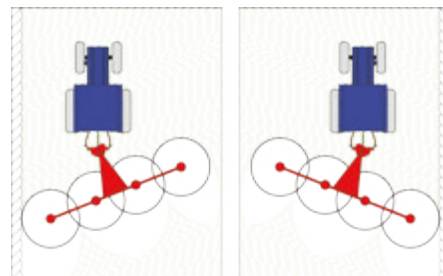
PTO shaft (6×6, 460 Nm) *

160



Transport position – the outermost rotors are hydraulically folded into transport position.

Adjustable spreading angle in four positions, in the range from 12 to 17 degrees.



Transport wheels adjustable angle allows setting the direction of the grass discharge.

TYPE	SPAJDER
Working width [m]	5,5
No. of rotors [pc.]	4
Rotor dia. [m]	1,75
No. of arms per rotor [pc.]	7
Adjustment of rotor inclination	4 position
Efficiency [ha/h]	10
Power demand [HP]	40
Weight [kg]	630
Tyres	170–60/8
Transport width [m]	2,95
Transport height [m]	3,2

AKCENT

Weeder harrow



ploughs

cultivation

seeding equipment

combination seed drills

disc, rotary & flail mowers

RAKES & TEDDERS

bales/wrappers combination

bale wrappers

mineral fertilization

manure fertilization

potato technology

transport

protection

storage



AKCENT 12

STANDARD EQUIPMENT

- » suspension axles:
ø60-825/ø28 mm (6 & 7,5 m versions)
ø50-825/ø36 mm (9 & 12 m versions)
- » segment frame can be folded for transport by the hydraulic system
- » spring-loaded fingers ø7 mm with adjustable rake angle
- » road wheels size 23x8.5x12mm

MODEL

PRICE

AKCENT 6,0	4 200
AKCENT 7,5	5 300
AKCENT 9,0	7 600
AKCENT 12,0	8 800

ACCESSORIES AT EXTRA CHARGE

levelling bar (AKCENT 6,0) *	320
levelling bar (AKCENT 7,5) *	400
levelling bar (AKCENT 9,0) *	480
levelling bar (AKCENT 12,0) *	620



Folded and ready for transport.



AKCENT harrow can be equipped with ETA pneumatic broadcast seeding equipment for spreading seed or Working section fertilizer. (see ETA, page 57)



Working section

AKCENT	6	7,5	9	12
Weight [kg]	640	900	1100	1700
Power demand [HP]	70	80	90	110

BALERS/WRAPPERS COMBINATION



DF 1,8 V eco

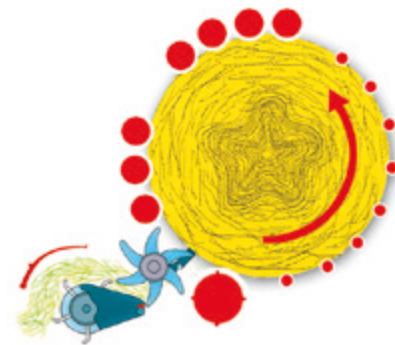
Chain & roller fixed chamber baler



DF 1,8 V eco

STANDARD EQUIPMENT

- » contourer Starter
- » rotor
- » mechanically lowered plate under the rotor
- » discharge ramp
- » mechanical tailgate lock
- » 5-point adjustable compacting level
- » 5-row pick-up
- » rubber-tired ground-following wheels
- » swath compression plate
- » reverse
- » auto lube system for drive chains
- » PTO shaft (6x6, 830 Nm) with overload coupling (M=2400 Nm), wide angle
- » wheels 11.5/80–15.3



Chain & roller chamber

– universal baler for collecting all types of materials.



Steerable ground-following wheels

– Increase comfort of operations on headlands.



Lowered plate under the rotor

– comfort and convenience in the event of blockages.

MODEL

DF 1,8 V eco

PRICE

18 400

ACCESSORIES AT EXTRA CHARGE

applicator of ensilage fluids *	1 160
additional box for the net *	250
surcharge for swath compression plate w. ground following roller *	150
surcharge for hydraulically lowered plate under the rotor *	240
surcharge for wheels size 400/60-15.5 *	460
surcharge for wheels size 480/45-17 *	640
surcharge for front steerable ground following wheels *	150
surcharge for wide-angle PTO shaft (6x6, 830Nm) with automatic clutch (M=1900Nm) *	400
net binding	1 800
double twine binding	1 000



Rotor – forces smooth flow of material increasing the efficiency of the machine.

DF	1,8 V eco
Type	chain & roller
Bale dia. [m]	1,2
Pick-up width [m]	2,1
No. of pick-up tine rows [pc.]	5
No. of pick-up tines [pc.]	160
No. of profiled rollers [pc.]	8
No. of knives [pc.]	–
PTO speed [RPM]	540
Power demand on PTO [HP]	from 70
Length [m]	3,6
Width [m]	2,4
Height [m]	1,95
Weight [kg]	2180

DF 1,8 V / 1,8 Vd

Chain & roller fixed chamber baler



ploughs

cultivation

seeding
equipment

combination
seed drills

disc, rotary
& flail mowers

rakes & tedders

BALERS/WRAPPERS
COMBINATION

bale
wrappers

mineral
fertilization

manure
fertilization

potato
technology

transport

protection

storage



DF 1,8 Vd

STANDARD EQUIPMENT

- » controller Pilot Box
- » rotor
- » cutter – model DF 1,8 Vd
– individual protection on knives
– hydraulically lowered knives
- » mechanically lowered plate under the rotor
– model DF 1,8 V
- » hydraulically lowered plate under the rotor
– model DF 1,8 Vd
- » discharge ramp
- » net binder – model DF 1,8 Vd
- » twine binder – model DF 1,8 V
- » 5-point adjustable compacting level
- » mechanical tailgate lock
- » 5-row pick-up
- » rubber-tired ground-following wheels
- » swath compression plate w. ground-following roller
- » reverse
- » auto lube system for drive chains
- » PTO shaft (6x6, 830 Nm) with overload
- » coupling (M=2400 Nm), wide angle
- » wheels 11.5/80–15.3, DF 1,8 V
- » wheels 400/60-15.5, DF 1,8 Vd
- » central point of bearing lubrication

Chain & roller chamber – universal baler for collecting all types of materials.

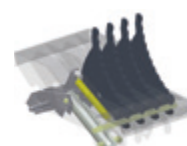


Lowered plate under the rotor – comfort and convenience in the event of blockages.

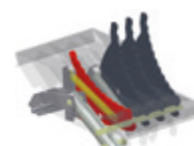


Rotor – forces smooth flow of material increasing the efficiency of the machine.

Steerable groundfollowing wheels – increase comfort of operations on headlands.




Non-Stop – Individual protection of 14 knives of the cutter.



MODEL	PRICE
DF 1,8 V	20 700
DF 1,8 Vd	23 800

ACCESSORIES AT EXTRA CHARGE

applicator of ensilage fluids *	1 160
additional box for the net *	250
surcharge for hydraulically lowered plate under the rotor DF 1,8 V *	240
surcharge for wheels size 400/60-15.5 DF 1,8 V *	460
surcharge for wheels size 480/45-17 DF 1,8 V *	640
surcharge for wheels size 480/45-17 DF 1,8 Vd *	460
surcharge for front steerable ground following wheels *	150
surcharge for Superior controller *	1 470
surcharge for wide-angle PTO shaft (6x6, 830Nm) with automaatc clutch (M=1900Nm) *	400
double twine binding DF 1,8 Vd	1 000
net binding DF 1,8 V	1 580
automatic bearing lubrication 	1 310

DF	1,8 V	1,8 Vd
Type	chain & roller baler	chain & roller baler with cutter
Bale dia. [m]	1,2	1,2
Pick-up width [m]	2,1	2,1
No. of pick-up tine rows [pc.]	5	5
No. of pick-up tines [pc.]	160	160
No. of profiled rollers [pc.]	8	8
No. of knives [pc.]	—	14
PTO speed [RPM]	540	540
Power demand on PTO [HP]	from 70	from 80
Length [m]	3,6	3,6
Width [m]	2,4	2,4
Height [m]	1,95	1,95
Weight [kg]	2200	2300

DF 1,8 D eco

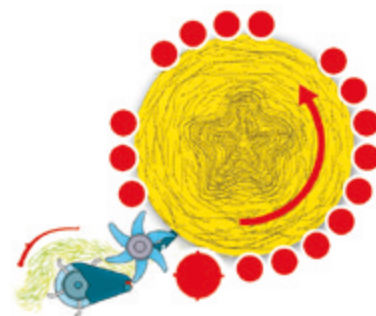
Roller fixed chamber baler



DF 1,8 D eco

STANDARD EQUIPMENT

- » contourer Starter
- » rotor
- » mechanically lowered plate under the rotor
- » discharge ramp
- » 5-point adjustable compacting level
- » mechanical tailgate lock
- » 5-row pick-up
- » rubber-tired ground-following wheels
- » swath compression plate
- » reverse
- » auto lube system for drive chains
- » PTO shaft (6x6, 830 Nm) with overload coupling (M=2400 Nm), wide angle
- » wheels 11.5/80–15.3



Roller chamber – universal baler for collecting all types of materials



Steerable ground-following wheels – increase comfort of operations on headlands.



Lowered plate under the rotor – comfort and convenience in the event of blockages.

MODEL

DF 1,8 D eco

PRICE

17 600

ACCESSORIES AT EXTRA CHARGE

applicator of ensilage fluids *	1 160
additional box for the net *	250
surcharge for swath compression plate w. ground following roller *	150
surcharge for hydraulically lowered plate under the rotor *	240
surcharge for wheels size 400/60-15.5 *	460
surcharge for wheels size 480/45-17 *	640
surcharge for front steerable ground following wheels *	150
surcharge for wide-angle PTO shaft (6x6, 830Nm) with automatic clutch (M=1900Nm) *	400
net binding	1 800
double twine binding	1 000



Rotor – forces smooth flow of material increasing the efficiency of the machine.

DF	1,8 D eco
Type	roller baler
Bale dia. [m]	1,2
Pick-up width [m]	2,1
No. of pick-up tine rows [pc.]	5
No. of pick-up tines [pc.]	160
No. of profiled rollers [pc.]	17
No. of knives [pc.]	—
PTO speed [RPM]	540
Power demand on PTO [HP]	from 70
Length [m]	3,6
Width [m]	2,4
Height [m]	1,95
Weight [kg]	2400

DF 1,8 D / 1,8 Dd

Roller fixed chamber baler



ploughs

cultivation

seeding equipment

combination seed drills

disc, rotary & flail mowers

rakes & tedders

BALERS WRAPPERS COMBINATION

bale wrappers

mineral fertilization

manure fertilization

potato technology

transport

protection

storage



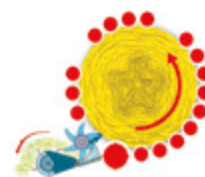
DF 1,8 Dd

STANDARD EQUIPMENT

- » controller Pilot Box
- » rotor
- » cutter – model DF 1,8 Dd
 - individual protection on knives
 - hydraulically lowered knives
- » mechanically lowered plate under the rotor – model DF 1,8 D
- » hydraulically lowered plate under the rotor – model DF 1,8 Dd
- » discharge ramp
- » central point of bearing lubrication
- » net binder – model DF 1,8 Dd
- » twine binder – model DF 1,8 D
- » 5-point adjustable compacting level
- » mechanical tailgate lock
- » 5-row pick-up
- » rubber-tired ground-following wheels
- » swath compression plate w. ground-following roller
- » reverse
- » auto lube system for drive chains
- » PTO shaft (6x6, 830 Nm) with overload coupling (M=2400 Nm), wide angle
- » wheels 11.5/80–15.3, DF 1,8 D
- » wheels 400/60-15.5, DF 1,8 Dd
- » central point of bearing lubrication

Roller chamber

– professional baler for harvesting material for silage

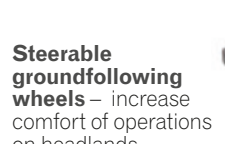


Lowered plate under the rotor

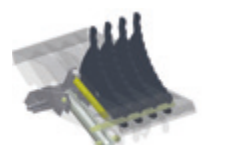
– comfort and convenience in the event of blockages.



Rotor – forces smooth flow of material increasing the efficiency of the machine.




Steerable ground-following wheels – increase comfort of operations on headlands.



Non-Stop – Individual protection of 14 knives of the cutter.

MODEL	PRICE
DF 1,8 D	20 700
DF 1,8 Dd	25 300

ACCESSORIES AT EXTRA CHARGE

applicator of ensilage fluids *	1 160
additional box for the net *	250
surcharge for hydraulically lowered plate under the rotor DF 1,8 D *	240
surcharge for wheels size 400/60-15.5 DF 1,8 D *	460
surcharge for wheels size 480/45-17 DF 1,8 D *	640
surcharge for wheels size 480/45-17 DF 1,8 Dd*	460
surcharge for front steerable ground following wheels *	150
surcharge for Superior controller *	1 470
resignation from controller Superior (monitor)	-580
surcharge for wide-angle PTO shaft (6x6, 830Nm) with automaatc clutch (M=1900Nm) *	400
double twine binding DF 1,8 Dd	1 000
net binding DF 1,8 D	1 580
automatic bearing lubrication 	1 310

DF	1,8 D	1,8 Dd
Type	roller baler	roller baler with cutter
Bale dia. [m]	1,2	1,2
Pick-up width [m]	2,1	2,1
No. of pick-up tine rows [pc.]	5	5
No. of pick-up tines [pc.]	160	160
No. of profiled rollers [pc.]	17	17
No. of knives [pc.]	—	14
PTO speed [RPM]	540	540
Power demand on PTO [HP]	from 70	from 80
Length [m]	3,6	3,6
Width [m]	2,4	2,4
Height [m]	1,95	1,95
Weight [kg]	2400	2500

DF 1,7 Z / 1,7 Zd / 1,9 Z / 1,9 Zd

Balers/wrappers
Variable chamber baler



DF 1,7 Zd

MODEL	PRICE
DF 1,7 Z	30 600
DF 1,7 Zd	32 300
DF 1,9 Z	30 800
DF 1,9 Zd	32 500

ACCESSORIES AT EXTRA CHARGE

surcharge for hydraulic brake, DF 1.9 Z / 1.9 Zd	20
surcharge for wheels size 480/45-17 *	460
surcharge for wheels size 550/45-22.5 *	1 240
surcharge for endless belts	200
surcharge for trident rotor	400
surcharge for front steerable ground following wheels *	150
surcharge for Superior controller *	1 110
resignation from controller Superior (monitor)	-580
surcharge for wide-angle PTO shaft (6x6, 830Nm) with automaat clutch (M=1900Nm) *	400
hydraulic brake, DF 1.7 Z / 1.7 Zd	660
air brake, DF 1.7 Z / 1.7 Zd	640
double twine binding	1 110

DF	1,7 Z	1,7 Zd	1,9 Z	1,9 Zd
Type	belt	belt with cutter	belt	belt with cutter
Design of baler chamber	3 rollers, 6 belts	3 rollers, 6 belts	3 rollers, 6 belts	3 rollers, 6 belts
Min bale dia. [m]	0,8	0,8	0,8	0,8
Max bale dia. [m]	1,65	1,65	1,85	1,85
Bale width [m]	1,2	1,2	1,2	1,2
Pick-up width [m]	2,1	2,1	2,1	2,1
No. of pick-up tine rows [pc.]	5	5	5	5
No. of pick-up tines [pc.]	160	160	160	160
No. of knives [pc.]	—	14	—	14
Length [m]	4,3	4,3	4,3	4,3
Width [m]	2,65	2,65	2,65	2,65
Height [m]	2,75	2,75	2,95	2,95
Weight [kg]	3120	3250	3320	3450
Power demand on PTO [HP]	80÷110	80÷110	80÷110	80÷110

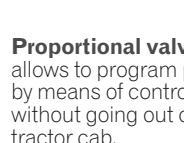
STANDARD EQUIPMENT

- » controller Pilot Box
- » rotor
- » cutter – models DF 1,7 Zd / 1,9 Zd
 - individual protection on knives
 - hydraulically lowered knives
- » hydraulically lowered plate under the rotor
- » discharge ramp
- » net binder
- » variable adjustment of bale diameters from 0.8 to 1.85 – models DF 1,9 Z / 1,9 Zd
- » variable adjustment of bale diameters from 0.8 to 1,65 m - models DF 1,7 Z / 1,7 Zd
- » max compaction pressure 200 bar
- » programming of soft bale core
- » 5-row pick-up
- » rubber-tired ground-following wheels
- » swath compression plate w. ground-following roller
- » auto lube system for drive chains
- » PTO shaft (6×6, 830 Nm) with overload coupling (M=2400 Nm), wide angle
- » wheels 400/60–15.5
- » air brake – models DF 1,9 Z / 1,9 Zd



Belt variable chamber

universal baler for all types of materials with variable diameter and pressure adjustment.



Proportional valve
allows to program pressure by means of controller - without going out of the tractor cab.

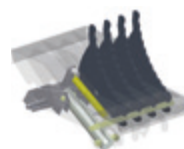


Rotor – forces smooth flow of material increasing the efficiency of the machine.

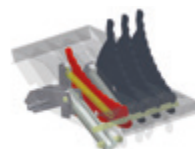


Lowered plate under the rotor – comfort and convenience in the event of blockages.

Steerable groundfollowing wheels – increase comfort of operations on headlands.



Non-Stop – individual protection of 14 knives of the cutter



MASTER



Fixed chamber baler/wrapper (MASTER D), chain & roller baler/wrapper (MASTER V)



MASTER D

STANDARD EQUIPMENT

- » Superior controller
- » 3-tine rotor
- » cutter
 - individual protection on knives
 - hydraulically lowered knives
- » hydraulically lowered plate under the rotor
- » net binder
- » additional box for the net
- » roller chamber – model MASTER D
- » chain and roller chamber – model MASTER V
- » 5-point adjustable compacting level
- » mechanical tailgate lock
- » 5-row pick-up
- » rubber-tired ground-following wheels
- » swath compression plate w. ground-following roller
- » reverse
- » central point of bearing lubrication
- » auto lube system for drive chains
- » PTO shaft (6x6, 830 Nm) with overload coupling (M=2400 Nm), wide angle
- » wheels 400/60–15.5
- » two 750 mm film feeders with auto tension adjustment
- » bale unloader
- » four film racks

MODEL

PRICE


MASTER V

48 300

MASTER D

49 900

ACCESSORIES AT EXTRA CHARGE

applicator of ensilage fluids *	1 160
surcharge for wheels size 480/45-17 *	950
surcharge for front steerable ground following wheels *	150
surcharge for wide-angle PTO shaft (6x6, 830Nm) with automaatc clutch (M=1900Nm) *	400
hydraulic brake	660
camera w. display *	460
resignation from controller Superior (monitor)	-580
automatic bearing lubrication 	1 310



Steerable ground-following wheels – increase comfort of operations on headlands.



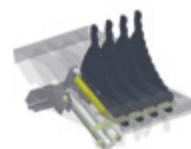
Camera – allows monitoring of the machine, and thus improves comfort of its operation.



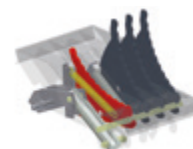
Lowered plate under the rotor
– comfort and convenience in the event of blockages.



Rotor – forces smooth flow of material increasing the efficiency of the machine.



Non-Stop – individual protection of 14 knives of the cutter



MASTER	V	D
Type	chain & roller	roller
Bale dia. [m]	1,2	1,2
Pick-up width [m]	2,1	2,1
No. of pick-up tine rows [pc.]	5	5
No. of pick-up tines [pc.]	160	160
No. of profiled rollers [pc.]	8	17
No. of knives [pc.]	14	14
PTO speed [RPM]	540	540
Power demand on PTO [HP]	from 110	from 110
Film feeder	2x 750 mm	2x 750 mm
Length [m]	6,1	6,1
Width [m]	2,8	2,8
Height [m]	2,8	2,8
Weight [kg]	3950	4150

KOSTKA

Cube baler



STANDARD EQUIPMENT

- » Rasspe knotter
- » cube length adjustment
- » density adjustment
- » cube counter
- » star-shaped piling device
- » beam wheel for the pick-up device
- » protecting clutch
- » PTO shaft (6×6, 620 Nm)

MODEL

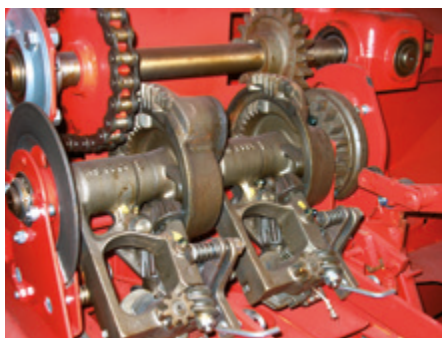
KOSTKA

PRICE

11 800

ACCESSORIES AT EXTRA CHARGE

hydraulic drawbar *	360
hydraulic pick-up *	350
bale chute *	640



Reliable binding

the OEM Rasspe knotter is the heart of the machine



Cube length adjustment

within the range from 0.3 to 1.3 m

Feeder

facilitates loading of cubes on a trailer

TYPE	KOSTKA
Pick-up width [m]	1,85
Cube length [m]	0,3÷1,3
Compacting chamber width [m]	0,46
Compacting chamber height [m]	0,36
Power demand on PTO [HP]	30
Weight [kg]	1300

CONTROLLERS USED IN BALERS

FIXED CHAMBER BALER



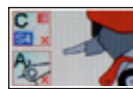
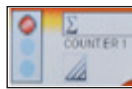
- » chamber filling indicator (acoustic and visual)
- » manual net wrapping initiation
- » bale counter



- » pickup, cutter and tailgate control
- » automatic net wrapping initiation
- » detailed counters of made bales
- » emergency case indicator (eg. broken net)
- » used net meter counter
- » diagnostic menu (sensor status)
- » voltage supply control



- » machine status visualization
- » displaying all important information on one screen
- » intuitive control
- » simplified emergency diagnostics
- » allows to control other UNIA machines



LED Panel

Operation status display. Daily and total bale counter



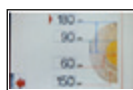
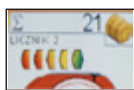
VARIABLE CHAMBER BALER



- » chamber filling indicator (acoustic and visual)
- » automatic wrapping initiation
- » bale irregularity indicator
- » outside bale diameter and soft core setup
- » core and outside layer pressure setting
- » core and outside layer pressure setting
- » detailed counters of made bales
- » emergency case indicator (eg. broken net)
- » used net meter counter
- » pickup, cutter and rotor lower plate control
- » diagnostic menu (sensor status)
- » voltage supply control

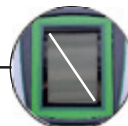


- » machine status visualization
- » displaying all important information on one screen
- » intuitive control
- » simplified emergency diagnostics
- » allows to control other UNIA machines



Graphic display

Machine monitoring

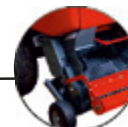


Shockproof



Keyboard

Direct control of machine units



BALER/WRAPPER

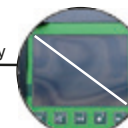


- » chamber filling indicator (acoustic and visual)
- » loader, table, knives, wrapping arm current state visualization
- » possibility to flip bale without wrapping
- » manual or automatic bale ejection
- » detailed counters of made bales
- » emergency case indicator (eg. broken net)
- » broken film control
- » pickup and cutter control
- » adjusting machine dynamics to own requirements
- » diagnostic menu (sensor status)
- » automatic or manual wrapping initiation
- » voltage supply control
- » displaying all important information on one screen
- » allows to control other UNIA machines



Colour display

Machine status visualization



Joystick

Working comfort



USB

Data export



Backlit keypad

Night work mode



TouchPad

Easy data input



BALE WRAPPERS



FALA

Mounted bale wrapper



FALA

MODEL

FALA

PRICE

3 200



Foldable turntable allows unloading a wrapped bale

TYPE		FALA
Type		mounted
Max wrapped bale dia. [m]		1,25
Max bale weight [kg]		1000
Film width [mm]		500 / 750
Bale loading		loader
Wrapping system		turntable
Film cutter		no
Wrapper drive		hydraulic
Transport dimensions [m]	length	2,18
	width	1,16
	height	1,6
Power demand [HP]		45
Weight [kg]		580

STANDARD EQUIPMENT

- » hydraulic drive
- » universal feeder for 500 & 750 mm wide films
- » Controller Counter - wraps counter
- » cones for bale stabilization
- » acoustic alarm of the last wrap



Wrap counter

counts the sum of wrapped bales and monitors the amount of film layers wrapped on the bale. Indicates the imposition of the penultimate layer of the film, what gives the operator sufficient time to release the turnover and retention of the table in the correct position.



Feeder

allows wrapping with 500 or 750 mm wide films

FALA H/E **NEW**



Stationary bale wrapper



FALA H

STANDARD EQUIPMENT

- » controller Counter (FALA H)
- » controller Radio (FALA E)
- » hydraulic bale unloading
- » film feeders for 750mm wide film with auto tension control



Controller Radio - allows for automatic or manual wrapping mode, allows to set the number of wraps and initiate with a wireless remote control of the wrapping process.

MODEL

FALA H

FALA E

PRICE

5 600

7 100

ACCESSORIES AT EXTRA CHARGE

surcharge to feeder DUO

820



FALA H – version with mechanical distributor



Knife – cuts the film and holds it until next wrapping

FALA	H	E
Types	trailed/stationary	
loading bale	front	front
No. of wrapping arms [pc.]	1,2÷1,5	1,2÷1,5
Max bale weight [kg]	1200	1200
Film width [mm]	750	
Tractor power output [HP]	40	40
Control	mechanical distributor	electric distributor
Length [m]	2,70	
Width [m]	1,96	
Height [m]	1,90	
Weight [kg]	800	

GUICIO H/E

Trailed bale wrapper with front loading



GUICIO H

STANDARD EQUIPMENT

- » controller Pilot Box – model Gucio E
- » mechanical distributor – model Gucio H
- » turntable
- » feeder for 500 & 750 mm wide films
- » bale unloader
- » two films rack
- » pressure filter
- » wheels size 400/60-15.5



Controller Pilot Box

allows e.g. machine operation in manual and auto modes, presetting number of wrappings and indication of e.g. film breakage

MODEL	PRICE
GUICIO H	9 400
GUICIO E	11 900



Gucio H – version with mechanical distributor (with levers)



Drawbar – adjustable in three positions. Transport – Operation



Film feeder – for 500 and 750mm wide films with auto tension control



Mechanical turntable lock – stabilizes the turntable when arrival at field or during transport



Knife – cuts the film and holds it until next wrapping

GUICIO	H	E
Bale loading	front	front
Wrapped bale dia. [m]	1,2÷1,5	1,2÷1,5
Max bale weight [kg]	1200	1200
Film width [mm]	500 / 750	
Tractor power output [HP]	40	40
Control	mechanical distributor	electric distributor
Length [m]	4,41	
Width [m]	2,72	
Height [m]	2,24	
Weight [kg]	1250	

TWISTER H/E

Trailed bale wrapper with front loading



ploughs

cultivation

seeding equipment

combination seed drills

disc, rotary & tillage mowers

rakes & tedders

bale wrappers combination

BALE WRAPPERS

mineral fertilization

manure fertilization

potato technology

transport

protection

storage



TWISTER E

STANDARD EQUIPMENT

- » controller Counter (Twister H)
- » controller Pilot (Twister E)
- » planetary wrapping system
- » film feeders for 750 wide film with auto tension control (Twister H)
- » two film feeders for 750 wide film with auto tension control (Twister E)
- » two film rack
- » wheels size 340/55-16
- » hydraulically controlled drawbar
- » unload mat



Hydraulically controlled drawbar – allows machine unfolding and folding in auto mode



Knife – cuts the film and holds it until next wrapping



Camera – allows monitoring of the machine what improves comfort of its operation



Two film feeders for 750 wide film with auto tension control

Bale setting device – smoothly sets bales in vertical position

MODEL

TWISTER H

PRICE

11 900

TWISTER E

15 500

ACCESSORIES AT EXTRA CHARGE

camera w. display *	460
baler hitch DF 1.8 V/Vd; DF 1.8 D/Dd *	640
bale setting device	640
extra wrapping arm TWISTER H	930



Baler hitch – allows connecting the wrapper to a baler and their mutual operation



Controller Pilot Box – allows e.g. machine operation in manual and auto modes, presetting number of wrappings and indication of e.g. film breakage

TWISTER	H	E
Bale loading	front	
Wrapped bale dia. [m]	1,0÷1,5	
Max bale weight [kg]	1200	
No. of wrapping arms [pc.]	1	2
Film width [mm]	750	
Tractor power output [HP]	45	
Control	mechanical distributor	electric distributor
Length [m]	4,65	
Width [m]	2,6	
Height [m]	2,83	
Weight [kg]	1320	1400

MINERAL FERTILIZATION



MS / MS-SAD

Double disc fertilizer spreaders with slotted sowing system



MS 400

STANDARD EQUIPMENT

- » metering slot closing system – mechanical (MS)
- » metering slot closing system – hydraulic (MS SAD)
- » working width 10 ÷ 24 m (MS)
- » working width 10 ÷ 18 m (MS-SAD)
- » width at strip spreading 2 ÷ 6 m (MS-SAD)
- » plate for boundary spreading (MS-SAD)
- » plate for boundary spreading (MS)
- » hopper sieves
- » indicator of angle of inclination of the spreader
- » spreading and setting table
- » fertilizer mixer
- » discs for fertilizer made of stainless steel
- » suspension system of Cat. II

MODEL

PRICE

MS 400	2 200
MS 500	2 400
MS-SAD 400 (WITH ORCHARD ADAPTER)	2 400
MS-SAD 500 (WITH ORCHARD ADAPTER)	2 500
MS-SAD 600 (WITH ORCHARD ADAPTER)	2700

ACCESSORIES AT EXTRA CHARGE

border spreading disc *	130
removable transport wheels *	110
hydraulic closing, MS	190
hopper tarpaulin cover, MS *	90
PTO shaft (250 Nm L. nom. 840 mm) *	130



Narrow hopper (1.3 m) and a plate for strip spreading enable to distribute fertilizer directly under trees or bushes.



Fertilizer MS-SAD

It has a compact hopper that is ideal for the bumps and small fields, as well as the narrow crossings fruit plantations.



Strip distribution plate helps to direct the fertilizer to the area of roots of the cultivated plants.

TYPE	MS 400	MS 500	MS-SAD 400	MS-SAD 500	MS-SAD 600
Hopper capacity [dm³]	400	500	400	500	600
Working width [m]	12 ÷ 24		10 ÷ 18 2 ÷ 6 – at strip spreading		
transport dimensions Length [m]/ Width [m]/Loading height [m]	0,94 / 1,65 / 0,95	0,94 / 1,65 / 1,05	1,0 / 1,3 (1,4) / 1,1	1,0 / 1,3 (1,4) / 1,3	1,0 / 1,3 (1,4) / 1,5
Weight of machine [kg]	223	240	230	240	250
Power demand [HP]	40 ÷ 50	50 ÷ 60	40 ÷ 50	50 ÷ 60	60 ÷ 70



MX 850

STANDARD EQUIPMENT

- » working width 10÷24 m (MX 850 – 1200)
- » working width 10÷36 m (MX 1600 – 3000)
- » hydraulic closing of metering slots (one-sided)
- » hopper sieves
- » indicator of angle of inclination of the spreader
- » spreading and setting table
- » plate for border spreading
- » lighting installation (MX 1600-3000)



Simple adjustment of the spreader

In our spreaders, adjustment of the working width and dose can be performed without the use of any tools. By the use of screws with convenient handles, adjustment of the working width is not a problem.



Spreading discs

The spinner discs ensure precise distribution of fertilizer in any conditions. Simple change of working width due to practical slots reduces the time for preparation the machine to work to minimum.



Chassis to the spreader

MODEL

MODEL	PRICE
MX 850	3 100
MX 1200	3 400
MX 1600	4 000
MX 2100	4 400
MX 3000	5 100

ACCESSORIES AT EXTRA CHARGE

SS hopper, MX 850	1 370
SS hopper, MX 1200	1 500
SS hopper, MX 1600	1 650
SS hopper, MX 2100	1 960
two-line hydraulic control of the LH or RH side of spreading	170
rack tarpaulin, MX 850–1200 *	330
rack tarpaulin, MX (1600 – 2100) *	350
rack tarpaulin, MX 3000 *	380
border spreading disc 10-24 (MX 850-1200) *	130
border spreading disc 10-36 (MX 1600-3000) *	150
removable transport wheels *	110
PTO shaft MX 850-1200 (250 Nm L. nom. 840 mm)	130
PTO shaft MX 1600-3000 (400 Nm L. nom. 1205 mm)	140
warning plates kit with lamps (MX 850-1200)	130
device for border spreading of granular fertilizers, mechanically folded *	820
device for border spreading of granular fertilizers, hydraulically folded (MX 1600-3000)	1 240
chassis to the spreader	2 940

MX	850	1200	1600	2100	3000
Hopper capacity [dm³]	850	1 200	1 600	2100	3 000
Working width [m]	10÷24		10÷36		
Transport dimensions Length [m]/Width [m]/Loading height [m]/	1,1 / 2,0 / 1,06	1,1 / 2,0 / 1,19	1,54 / 2,2 / 1,36	1,54 / 2,26 / 1,5	1,67 / 2,67 / 1,78
Weight of machine [kg]	273	305	380	558	595
Power demand [HP]	60÷70	80÷90	100÷120	130-140	od 180

MXL

Mounted fertilizer spreaders



MXL 1600

STANDARD EQUIPMENT

- » working width 10 ÷ 36 m
- » precise fertilizer dosing system with the help of auger
- » hydraulic control of metering unit (auger)
- » one hydraulic motor for spreading device steering – single-function control OR-2 – auger rotations reading
- » hopper sieves
- » spreading and setting table
- » lighting installation
- » indicator of spreader inclination angle



Spreading discs

Discs LM are equipped with adjustable blades. Various setting possibilities guarantee outstanding precision and reliability of fertilization. In front part of the spreader there is a table settings of blades and spread of different fertilizers.



SDS – spreading system in the MXL spreaders

MXL Series spreaders have the SDS spreading system installed, where control of the fertilizer spreading is performed by change of auger speed. Variable (stepless) adjustment of motor speed and thus variable change of the spreaded fertilizer portion is provided by hydraulic controller.



Transport wheels

A set of transport wheels attached to a spreader makes it easier to maneuver the machine on a paved square and accelerates machines assembling to tractor.

MODEL

PRICE

MXL 1200	4 800
MXL 1600	5 100
MXL 2100	6 200
MXL 3000	6 700

ACCESSORIES AT EXTRA CHARGE

MSR 10 controller for multifunction control – one hydraulic motor	1 340
Superior computer for multifunction control – one hydraulic motor	2 450
Superior computer for multifunction control – two hydraulic motors	3 560
resignation from controller Superior (monitor)	-580
transitional cable (speed sensor from socket ISO 7-pin ISO11786) *	130
SS hopper, MXL 1200	1 570
SS hopper, MXL 1600	1 730
SS hopper, MXL 2100	2 350
SS hopper, MXL 3000	3 170
hopper tarpaulin cover, (MXL 1200 / 1600) *	350
hopper tarpaulin cover, (MXL 2100 / 3000) *	380
removable transport wheels *	110
PTO shaft (250 Nm L. nom. 840 mm) * (MXL 1200 / 1600) *	130
PTO shaft (400 Nm L. nom. 1205 mm) * (MXL 2100 / 3000) *	140
border spreading disc *	150
device for border spreading of granular fertilizers, mechanically folded *	820
limiter for border spreading of granular fertilizers, hydraulically folded *	1 240
device for border spreading of granular fertilizers hydraulically foldable by means of a Superior Computer	1 830
chassis to the spreader	2 940

MXL	1200	1600	2100	3000
Hopper capacity [dm³]	1200	1600	2100	3000
Working width [m]	10 ÷ 36			
Transport dimensions Length [m]/Width [m]/Loading height [m]	1,5 / 2,2 / 1,25	1,5 / 2,2 / 1,41	1,67 / 2,67 / 1,42	1,67 / 2,67 / 1,62
Weight of machine [kg]	382	408	580	600
Power demand [HP]	80 ÷ 90	90 ÷ 100	120 ÷ 140	up to 180

MXL PREMIUM

Fertilizer spreaders with precision sowing with GPS – **standard ISOBUS**



PLUGHS

cultivation

seeding equipment

combination seed drills

disc, rotary & tillage mowers

rakes & tedders

balers/wrappers combination

balers & bale wrappers

MINERAL FERTILIZATION

manure fertilization

technika ziemniaczana

transport

protection

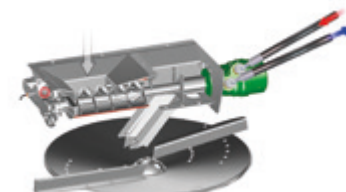
storage



MXL 8200 PREMIUM

STANDARD EQUIPMENT

- » automatic dose independent of driving speed – UTS computer
- » mounted fertilizer spreaders (MXL 1200–3000 premium)
- » single axle spreader (MXL 5500–8200 premium)
- » hydraulic drive of belt conveyor and spreading apparatus (MXL 5500–8200 premium)
- » disc drive mechanical
- » lower or top hitch (MXL 5500-8200 Premium)
- » mechanical support of the drawbar (MXL 5500–8200 premium)
- » hopper sieves
- » 1-line air brake system (MXL 5500–8200 premium)
- » handbrake (MXL 5500–8200 premium)
- » lighting installation
- » fertilizer discs made of stainless steel
- » PTO shaft
- » axle adjustable for MXL 5500 premium: 1850–2250 mm
- » axle adjustable for MXL 8200 premium: 2000–2250 mm



Auger

In the MXL spreaders, precise control of the fertilizer spreading is ensured by an auger.



LIMITER

The use of the spreader MXL can stop sowing border allows you to fully get the best seeding border in all conditions.



Computers UTS

MXL PREMIUM spreaders can be equipped with UTS computer. The computer allows spreading of fertilizer by means of GPS. Version with Track Leader II package allows parallel driving on the field, and version with VRC package allows fertilizer spreading according to the soil abundance map

MODEL

MODEL	PRICE
MXL 1200 PREMIUM (MOUNTED)	9 300
MXL 1600 PREMIUM (MOUNTED)	9 600
MXL 2100 PREMIUM (MOUNTED)	10 700
MXL 3000 PREMIUM (MOUNTED)	11 200
MXL 5500 PREMIUM (TRAILED)	36 700
MXL 8200 PREMIUM (TRAILED)	39 400

ACCESSORIES AT EXTRA CHARGE

software – parallel leading TRACK Leader II + antenna GPS	3 770
software – VRC – precision agriculture + antenna GPS + TRACK Leader II	5 220
TOUCH 800 display	1 410
SS hopper, MXL 1200 PREMIUM	1 570
SS hopper, MXL 1600 PREMIUM	1 730
SS hopper, MXL 2100 PREMIUM	2 350
SS hopper, MXL 3000 PREMIUM	3 170
hopper tarpaulin cover, (MXL 1200 / 1600 PREMIUM) *	350
hopper tarpaulin cover, (MXL 2100 / 3000 PREMIUM) *	380
removable transport wheels *	110
hopper tarpaulin cover hydraulically folded (MXL 5500 – 8200 PREMIUM)	1 310
device for border spreading of granular fertilizers hydraulically foldable by means of UTS Computer	1 830
chassis to the spreader (MXL 1200 – 3000)	2 940

MXL PREMIUM	1200	1600	2100	3000	5500	8200
Hopper capacity [dm³]	1200	1600	2100	3000	5500	8200
Type	mounted				trailed	
Working width [m]	10÷36					
Transport dimensions Length [m]/Width [m]/ Loading height [m]/	1,5 / 2,2 / 1,25	1,5 / 2,2 / 1,41	1,67 / 2,67 / 1,42	1,67 / 2,67 / 1,62	5,7 / 2,29 / 2,47	5,7 / 2,55 / 2,72
Weight of machine [kg]	382	408	580	60	2895	3155
Tyres	—	—	—	—	340 / 85 R48	20,8 R42
Power demand [HP]	80÷90	90÷100	120÷140	od 180	60÷70	80÷90

RCW

Trailed fertilizer and lime spreaders



RCW 10000

STANDARD EQUIPMENT

- » belt conveyor
- » single-axis spreader (RCW 3000, RCW 5500, RCW 8200)
- » tandem spring spreader (RCW 10000)
- » conveyor drive from star wheel
- » mechanical drive of spinner discs
- » top or bottom hitch
- » hopper sieves
- » mechanical drawbar support
- » 1-line air brake system
- » handbrake
- » lighting installation
- » border disc
- » spinner discs for fertilizer and lime made of stainless steel
- » PTO shaft (400 Nm, L nom. 1010 mm)

MODEL

PRICE

RCW 3000	16 000
RCW 4000	16 600
RCW 5500	20 100
RCW 8200	22 000
RCW 10000	25 600

ACCESSORIES AT EXTRA CHARGE

hopper tarpaulin cover, hydraulically folded RCW 3000 – 4000	1 050
hopper tarpaulin cover, hydraulically folded RCW 5500 / 8200 *	1 240
hopper tarpaulin cover, hydraulically folded RCW 10000 *	1 500
device for border spreading, mechanically folded *	820
device for border spreading, hydraulically folded	1 240
device for border spreading – hydraulically foldable by means of a Superior Computer	1 830
multifunction control w. Superior computer – maintaining of the preset dose of fertilizer or lime independently of driving speed (hydraulic belt drive)	3 030
resignation from controller Superior (monitor)	-580
ball hitch, ø80 *	270
2-line air brake system	330



Mechanical drive



Hydraulic drive



Belt conveyor

RCW		3000	4000	5500	8200	10000
Hopper capacity [dm ³]		3 000	4000	5 500	8 200	10 000
Working width [m]	granulated fertilizers	10 ÷ 36				
	lime	8 ÷ 16				
Transport dimensions Length [m]/Width [m]/Loading height [m]/		4,95 / 2,12 / 1,95	4,95 / 2,12 / 2,11	5,70 / 2,20 / 2,23	5,7 / 2,29 / 2,45	6,8 / 2,35 / 2,56
Tyres (hydraulic belt drive)		385 / 65–22,5	385 / 65–22,5	500 / 60–22,5 PR	550 / 60–22,5 16 PR	500 / 60–22,5
Weight of machine [kg]		2140	2210	2540	2620	3960
Power demand [HP]		40 ÷ 50	40 ÷ 60	60 ÷ 70	80 ÷ 90	90 ÷ 120

RCW PLUS

Trailed fertilizer and lime spreaders



PLUGHS

cultivation

seeding equipment

combination seed drills

disc, rotary & tillage mowers

rakes & tedders

balers/wrappers combination

balers & bale wrappers

MINERAL FERTILIZATION

manure fertilization

technika ziemniaczana

transport

protection

storage



RCW 5500 PLUS

STANDARD EQUIPMENT

- » belt conveyor
- » single-axis spreader
- » hydraulic drive of the conveyor – 2-function KP-03 controller
- » mechanical drive of the spinner discs
- » top or bottom hitch
- » hopper sieves
- » mechanical drawbar support
- » 1-line air brake system
- » handbrake
- » lighting installation
- » border disc
- » fenders
- » spinner discs for fertilizer and lime made of stainless steel
- » PTO shaft (400 Nm, L nom. 1010 mm)
- » axle adjustable for 1800–2250 mm (RCW 5500 PLUS)
- » axle adjustable for 2000–2250 mm (RCW 8200 PLUS)
- » axle adjustable for 1800–2250 mm (RCW 5500 PLUS M)
- » axle adjustable for 1850–2250 mm (RCW 8200 PLUS M)



SPREADERS RCW PLUS M

provided with spinner discs located at the height of 120 cm from the ground level.



SUPERIOR COMPUTER

RCW PLUS spreaders can be equipped with Superior computer to maintain the preset dose of fertilizer independently of the driving speed



HYDRAULIC BELT DRIVE

RCW PLUS spreaders have hydraulic conveyor speed control system. Electrohydraulic control of the floor conveyor allows precise distribution of the preset portion of fertilizer.

MODEL

MODEL	PRICE
RCW 5500 PLUS	24 100
RCW 8200 PLUS	26 600
RCW 5500 PLUS M	24 800
RCW 8200 PLUS M	27 600

ACCESSORIES AT EXTRA CHARGE

hopper tarpaulin cover, hydraulically folded *	1 240
device for border spreading of granular fertilizers, mechanically folded *	820
device for border spreading of granular fertilizers, hydraulically folded	1 240
device for boundary spreading of granular fertilizers – hydraulically foldable by means of a SUPERIOR Computer	1 830
multifunction control w. Superior computer – maintaining of the preset dose of fertilizer or lime regardless of driving speed	3 030
resignation from controller Superior (monitor)	-580
2-line air brake system	330
ball hitch, ø80 *	270
hydraulic tailgate – available from second half of 2017	1 410

RCW PLUS		5500	8200	5500 M	8200 M
Hopper capacity [dm³]		5 500	8 200	5 500	8 200
Height of discs from the ground [cm]		80	80	120	120
Working width [m]	lime	8 ÷ 16	8 ÷ 16	8 ÷ 16	8 ÷ 16
	granulated fertilizers	10 ÷ 36	10 ÷ 36	10 ÷ 36	10 ÷ 36
Transport dimensions Length [m]/Width [m]/Loading height [m]/		5,70 / 2,29 / 2,27	5,70 / 2,55 / 2,61	5,70 / 2,55 / 2,67	5,70 / 2,55 / 3,01
Tyres		340 / 85 R48	20,8 R 42	340/85/R48	20,8 R 42
Weight of machine [kg]		2845	3100	2895	3150
Power demand [HP]		60 ÷ 70	80 ÷ 90	60 ÷ 70	80 ÷ 90

RCW PREMIUM

Trailed fertilizer and lime spreaders



RCW 8200 PREMIUM

STANDARD EQUIPMENT

- » belt conveyor
- » single-axis spreader
- » conveyor drive from star wheel
- » mechanical drive of spinner discs
- » top or bottom hitch
- » hopper sieves
- » mechanical drawbar support
- » 1-line air brake system
- » handbrake
- » lighting installation
- » border disc
- » spinner discs for fertilizer and lime made of stainless steel
- » PTO shaft (400 Nm, L nom. 1010 mm)

MODEL

PRICE

RCW 5500 PREMIUM	21 800
RCW 8200 PREMIUM	23 700

ACCESSORIES AT EXTRA CHARGE

hopper tarpaulin cover, hydraulically folded *	1 240
device for border spreading, mechanically folded *	820
device for border spreading, hydraulically folded	1 240
device for border spreading of granular fertilizers – hydraulically foldable by means of a SUPERIOR Computer	1 830
multifunction control w. Superior computer – maintaining of the preset dose of fertilizer or lime regardless of driving speed (hydraulic belt drive)	3 030
resignation from controller Superior (monitor)	-580
2-line air brake system	330
ball hitch, ø80 *	270



LARGE WHEELS

RCW Premium spreaders are provided with a single axle and large wheels, which result in less rolling resistance and good load capacity and manoeuvrability. The advantages also include easy driving on difficult terrain, protection of soil structure, and fuel economy.



DRIVE FROM THE WHEEL

Mechanical belt drive from star wheel used in this model makes that maintaining the preset dose of fertilizer independently of driving speed is easy.

RCW PREMIUM		5500	8200
Hopper capacity [dm³]		5 500	8 200
Height of discs from the ground [cm]		80	
Working width [m]	lime	8 ÷ 16	
	granulated fertilizers	10 ÷ 36	
Transport dimensions Length [m]/Width [m]/Loading height [m]/		5,70 / 2,29 / 2,45	5,70 / 2,55 / 2,72
Tyres		18,4 × 30	23,1 R 26
Weight of machine [kg]		2845	3100
Power demand [HP]		60 ÷ 70	80 ÷ 90



LOADER BYK

STANDARD EQUIPMENT

- » RBS hydraulic distributor

TYP	BYK
Max load capacity [kg]	1000
Max. lifting height (with feet on the ground) [m]	4,6
Max lifting height (at max lifting of the tractor linkage) [m]	5,05
Min. height above hitch [m]	1,55
Range in horizontal position [m]	1,5 ÷ 2,85
Weight [kg]	380

MODEL

LOADER **BYK**

PRICE

3100

Computers for MXL, RCW spreaders

UTS COMPUTER – ISOBUS STANDARD

Standard equipment:

- » MXL PREMIUM

The main task of computers provided is to maintain the preset dose of fertilizer regardless of the driving speed.



In addition, the controller allows:

- » quick change of the distributed dose of ± 10 , 20 up to 50%
- » check of the fertilizer presence in the hopper
- » check of rotational speed of the spinner discs
- » measurement of the covered area with the resolution to 1 m²
- » measurement of the productivity achieved in ha/h
- » measurement of the above values for one of five fields
- » check of operation of all sensors

TOUCH 800 COMPUTER

COMPUTER, 8" TOUCHSCREEN

Modern and universal information exchange system between the tractor and the cooperating machine operating in ISOBUS standards – used for control of many machines only by one computer.



Standard function:

- » standard ISOBUS
- » quick change of the distributed dose
- » check of the fertilizer presence in the hopper
- » check of rotational speed of the spinner discs
- » measurement of the covered area with the resolution to 1 m²
- » measurement of the productivity achieved in ha/h
- » sensors control
- » color touch panel
- » USB port
- » Track Leader II – parallel driving
- » Track Leader AUTO – automatic driving
- » VRC – precision agriculture
- » Farm Pilot – management platform
- » ASD – communication with other terminals



TRACK LEADER II

allows pass in parallel paths in various modes. Displaying of driving direction and distance to the ideal line.



VARIABLE RATE CONTROL (VRC)

work according to the application maps in the 'shape' format.

In addition, the software allows:

- » documentation of the treated areas
- » recording of the process paths, obstacles and boundaries
- » displaying of the application map with the treated and remaining area
- » measurement of the treated area with the resolution to 1 m²
- » keeping the corners
- » 2D/3D display modes and 'as a bird's eye' perspective
- » UTS with GPS – precise fertilization with a map of soil minerals. It facilitates monitoring of the selection of proper nutrients according to the requirements. It also provides cost-effective and efficient use of fertilizer.

Optional accessories for the following models of MXL spreaders: 1200 / 1600 / 2100 / 3000, RCW, RCW PLUS

The main task of MSR 10 or SUPERIOR computers is to maintain the preset dose of fertilizer regardless of the driving speed.



MSR 10 CONTROLLER
– MONOCHROME DISPLAY



SUPERIOR COMPUTER
– COLOR TOUCH SCREEN

In addition, the controller allows:

- » quick change of the distributed dose of ± 10 , 20 and 30%
- » check of the fertilizer presence in the hopper
- » check of rotational speed of the spinner discs
- » measurement of the productivity achieved in ha/h
- » measurement of the above values for one of three fields
- » check of operation of all sensors

In addition, the controller allows:

- » control via the touchpad or joystick
- » quick change of the distributed dose of ± 10 , 20 up to 50%
- » check of the fertilizer presence in the hopper
- » check of rotational speed of the spinner discs
- » measurement of the covered area with the resolution to 1 m²
- » measurement of the productivity achieved in ha/h
- » measurement of the above values for one of five fields
- » check of operation of all sensors
- » reports from the operations performed – data transfer to the computer

MANURE FERTILIZATION



TYTAN PREMIUM

Multipurpose spreaders with integral and liquid-tight body



TYTAN 10TD PREMIUM with shredding + disc adapter

STANDARD EQUIPMENT

- » hydraulic, variable control of the floor conveyor drive
- » 4-chain floor conveyor (2 pairs)
- » TYTAN 7/ 8/ 10 PREMIUM – single-axle
- » double axle – tandem TYTAN 7 TD / 8 TD/ 10 TD/11TD/13TD/18TD PREMIUM
- » tailgates: TYTAN 10 / 10 TD / 11TD / 13TD / 18TD PREMIUM
- » top or lower hitch
- » mechanical support of drawbar
- » 1-line air brake system
- » handbrake
- » complete lighting installation
- » PTO shaft – (540 Nm, L nom. 1200 mm) TYTAN 7/ 8 / 10 PREMIUM
- » Wide angle PTO shaft – (830 Nm, L nom. 1100 mm) TYTAN Premium 11TD/13TD/18TD PREMIUM

MODEL	4-SHAFT VERTICAL	2-SHAFT VERTICAL	HORIZONTAL ADAPTER + SPINNER DISC
TYTAN 7 PREMIUM – LOAD CAPACITY 5,5 T	17 000	17 400	19 300
TYTAN 8 PREMIUM – LOAD CAPACITY 6,5 T	18 100	18 500	20 400
TYTAN 10 PREMIUM – LOAD CAPACITY 8 T	21 400	21 800	23 600
TYTAN 7 TD PREMIUM – LOAD CAPACITY 5 T	17 400	17 800	19 600
TYTAN 8 TD PREMIUM – LOAD CAPACITY 6,5 T	18 500	18 900	20 700
TYTAN 10 TD PREMIUM – LOAD CAPACITY 8 T	21 800	22 200	24 000
TYTAN 11 TD PREMIUM – LOAD CAPACITY 9 T	—	24 200	26 000
TYTAN 13 TD PREMIUM – LOAD CAPACITY 10 T	—	27 900	29 600
TYTAN 18 TD PREMIUM – LOAD CAPACITY 14 T	—	31 900	33 700

ACCESSORIES AT EXTRA CHARGE

horizontal + spinner disc adapter (TYTAN 7 / 8 / 10 / 7TD / 8TD / 10TD PREMIUM)	7 400
horizontal + spinner disc adapter (TYTAN 11TD / 13TD / 18TD PREMIUM)	7 820
shredding + disc adapter (TYTAN 7 / 8 / 10 / 7TD / 8TD / 10TD PREMIUM)	5 320
shredding + disc adapter (TYTAN 11TD / 13TD / 18TD PREMIUM)	5 800
trailer box tailgate (TYTAN 7 / 8 / 7 TD / 8 TD PREMIUM)	1 340
rear guard of the vertical adapter (TYTAN 7 / 8 / 10 / 7 TD / 8 TD / 10 TD PREMIUM) **	350
rear guard of the vertical adapter (TYTAN 11 TD / 13 TD / 18 TD PREMIUM)	350
mechanic deflector for horizontal/shredding adapter (N)	200
mechanic deflector for 2-shaft/4-shaft vertical adapter (N)	360
hydraulic deflector for 2-shaft vertical adapter (TYTAN PREMIUM 7 / 8 / 10) (N)	2 020
hydraulic deflector for 2-shaft vertical adapter (TYTAN PREMIUM 11 / 13 / 18) (N)	2 120
RBS distributor	510
2-speed gear (TYTAN 11/13/18 PREMIUM)	1 310
PTO shaft , wide angle (TYTAN 7 / 8 / 10 premium) (540 Nm L. nom. 840 mm) *	610
capacity attachment with added net board 600 mm (TYTAN PREMIUM 7 / 8 / 10 / 7 TD / 8 TD / 10 TD) *	3 300
capacity attachment with added board 500 mm (TYTAN PREMIUM 11 / 13 / 18) *	3 330
electric control of floor conveyor drive, MSR – 5	1 140
2-line air brake system	330

** required for driving the spreader on public roads



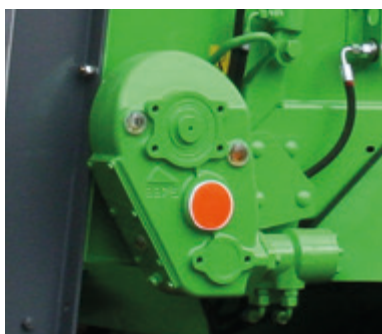
Bottom or upper drawbar

TYTAN spreaders can be supplied with both upper and bottom drawbars according to the customer's needs. In order to ensure maximum safety, we only use proven and certified hitch-rings, $\varnothing 50$ for the lower or $\varnothing 40$ for the upper drawbar.



Tailgates

In order to ensure better spreading of clarified sludge, compost or other, material in the form of small lumps, universal spreaders can be equipped with retention and metering tailgates.



Hydraulic conveyor drive

In TYTAN spreaders, hydraulic drive of the floor conveyor is transmitted by a gear designed for heavy loads. The use of hydraulic drive of floor conveyor ensures uniform feeding of material (e.g. manure, peat or lime) to the spreading units.



Chain

TYTAN spreaders are supplied with floor conveyors consisting of four chains. The chains are made of high grade steel bars with 11 mm dia. and together with special scraping bars they are adapted to carry heavy loads.

TYTAN PREMIUM	7 / 7 TD			8 / 8 TD			10 / 10 TD		
Type of adapter	vertical 4-shaft	vertical 2-shaft	horizontal / shredding + spinner disc	vertical 4-shaft	vertical 2-shaft	horizontal / shredding + spinner disc	vertical 4-shaft	vertical 2-shaft	horizontal / shredding + spinner disc
Nominal load capacity [kg]	5 500			6 500			8 000		
Load capacity in the field [kg]	8 000			9 000			11 000		
Body / manure capacity [m³]	5,5 + 3,0			7,0 + 3,0			9,0 + 3,0		
Working width [m]	4 ÷ 6	8 ÷ 12	12 ÷ 24	4 ÷ 6	8 ÷ 12	12 ÷ 24	4 ÷ 6	8 ÷ 12	12 ÷ 24
Loading height [m]	2,0			2,3			2,55		
Width of adapter				1,80					
Overall dimensions [m] Length/Width/Height	6,75 / 2,30 / 3,00			6,75 / 2,30 / 3,00			6,75 / 2,30 / 3,00		
Container dimensions Length/Width/Height	4,35 / 1,80 / 0,75			4,35 / 1,80 / 1,00			4,35 / 1,80 / 1,25		
Rotation of PTO [rpm]				540					
Tyres	500/50 × 17 / 400/60 × 15,5			500/50 × 17 / 400/60 × 15,5			550/45 × 22,5 / 500/50 × 17		
Spreader weight [kg]	2 560 / 3 075	2 710 / 3 235	2 770 / 3 295	2 650 / 3 175	2 810 / 3 350	2 650 / 3 410	2 820 / 3 275	2 910 / 3 434	2 970 / 3 494
Power demand (HP)	60 ÷ 70			70 ÷ 80			90 ÷ 100		

TYTAN PREMIUM – TANDEM	11 TD		13 TD		18 TD	
Type of adapter	vertical 2-shaft	horizontal / shredding + spinner disc	vertical 2-shaft	horizontal / shredding + spinner disc	vertical 2-shaft	horizontal / shredding + spinner disc
Nominal load capacity [kg]	9 000		10 000		14 000	
Load capacity in the field [kg]	12 000		13 000		16 000	
Body / manure capacity [m³]	10,0 + 3,5		11,0 + 3,5		13,5 + 3,5	
Working width [m]	8 ÷ 12	12 ÷ 24	8 ÷ 12	12 ÷ 24	8 ÷ 12	12 ÷ 24
Loading height [m]	2,39		2,65		2,95	
Width of adapter			2,00			
Overall dimensions [m] Length/Width/Height	6,75 / 2,50 / 3,12		6,75 / 2,65 / 3,20		6,75 / 2,65 / 3,28	
Body dimensions [m] Length/Width/Height	4,35 / 2,00 / 1,00		4,35 / 2,00 / 1,25		4,35 / 2,00 / 1,50	
Rotation of PTO [rpm]			540			
Tyres	400 / 60 × 22,5		500 / 60 × 22,5		550 / 60 × 22,5	
Spreader weight [kg]	4 760	4 600	5 245	5 320	5 525	5 320
Power demand (HP)	100 ÷ 110		110 ÷ 120		130 ÷ 150	

TYTAN 20 / 24 / 30

Heavy duty spreaders



TYTAN 24 with 2-shaft vertical adapter

STANDARD EQUIPMENT

- » hydraulic, variable control of the floor conveyor
- » 4-chain floor conveyor (2 pairs) The thickness of the cell ø14 mm
- » TYTAN 20 / 24 – tandem axle spreader
- » TYTAN 24 – rear steerable axle (selfadjustable)
- » TYTAN 30 – tridem axle spreader – first and third axle passively steered
- » trailer body tailgate
- » sprung lower drawbar
- » mechanically adjustable support
- » 1-line air brake system
- » handbrake
- » lighting installation
- » mudguards
- » wide angle PTO shaft (830 Nm L. nom 1110 mm.)

MODEL	4-SHAFT VERTICAL	2 – SHAFT VERTICAL	HORIZONTAL ADAPTER + SPINNER DISC
TYTAN 20 – LOAD CAPACITY 14 T	37 200	38 600	40 700
TYTAN 24 – LOAD CAPACITY 18 T	47 000	48 400	50 400
TYTAN 30 – LOAD CAPACITY 20 T	—	59 600	61 600

ACCESSORIES AT EXTRA CHARGE

horizontal adapter + disc adapter	12 480
shredding + disc adapter	7 560
mechanic deflector for horizontal/shredding adapter (N)	200
mechanic deflector for 2-shaft vertical adapter (N)	460
hydraulic deflector for 2-shaft vertical adapter (TYTAN 20 / 24 / 30) (N)	2 160
capacity attachment *	3 620
rear steerable axle (self-adjusting) (TYTAN 20)	2 090
hydraulic support *	400
electric control of floor conveyor drive, MSR-5	1 140
ball hitch, ø80 *	270
2-line air brake system	330

TYTAN	20			24			30	
Type of adapter	vertical 2-shaft	vertical 4-shaft	horizontal / shredding + spinner disc	vertical 2-shaft	vertical 4-shaft	horizontal / shredding + spinner disc	vertical 2-shaft	horizontal / shredding + spinner disc
Nominal load capacity [kg]	14 000			18 000			20 000	
Load capacity in the field [kg]	16 000			20 000			22 000	
Body / manure capacity [m³]	19,0 + 3,5			22,0 + 4,5			25,0 + 5,5	
Working width [m]	8÷12	5÷8	12÷24	8÷12	5÷8	12÷24	8÷12	12÷24
Loading height [m]	3,25			3,65			3,25	
Width of adapter	2,00							
Overall dimensions [m] Length/Width/Height	8,5 / 2,6 / 4,3			9,43 / 2,6 / 3,36			10,3 / 2,6 / 3,43	
Body dimensions [m] Length/Width/Height	5,5 / 2÷2,35 / 1,75			6,35 / 2÷2,35 / 1,75			7,10 / 2÷2,35 / 1,75	
Tyres	550/60x22,5			600/55x26,5			550/60x22,5	
Rotation of PTO [rpm]	1000			1000			1000	
Spreader weight [kg]	6 560	6 120	6 627	8 180	7 740	8 225	9 825	9 880
Power demand (HP)	120÷150			from 190			from 280	

TYTAN 36

Heavy duty spreaders



ploughs

cultivation

seeding equipment

combination seed drills

disc, rotary & tillage mowers

rakes & tedders

bale wrappers combination

bale wrappers

mineral fertilization

MANURE FERTILIZATION

potato technology

transport

protection

storage



TYTAN 36 – with 2-shaft vertical adapter

STANDARD EQUIPMENT

- » hydraulic, variable control of the floor conveyor
- » width of adapter: 2,25 m
- » 4-chain floor conveyor (2 pairs) The thickness of the cell ø14 mm
- » tridem spring suspension
- » trailer body tailgate
- » sprung lower drawbar
- » mechanically adjustable support
- » 2-line air brake system
- » handbrake
- » lighting installation
- » mudguards
- » wide angle PTO shaft (830 Nm L. nom 1110 mm.)
- » tridem axle spreader – – first and third axle passively steered

MODEL

TYTAN 36 – LOAD CAPACITY 24 T

VERTICAL 2-SHAFT

67 300

3-SHAFT HORIZONTAL+ SPINNER DISC

71 100

ACCESSORIES AT EXTRA CHARGE

capacity attachment (+6,5 m³)*	3 950
hydraulic support *	400
electric control of floor conveyor drive, MSR-5	1 140
ball hitch, ø80 *	270
mechanic deflector for 2-shaft vertical adapter	560
hydraulic deflector for 2-shaft vertical adapter	2 120



TYTAN 36 spreaders can be equipped with a snap-volume hydraulic opening of the wall. With this optional equipment the machine can be universally used as a trailer with self-unloading bulk during harvest green forage or corn.



Horizontal + spinner disc adapter.



3-axle wheel and steering system

Use of 3-axle wheel and steering system allows the spreader work even in hard conditions on the field. The spreader successfully copes with turning on curves or on headlands, due to the use of steerable 1st and 3rd axles (self-adjustable).

TYTAN	36	
Type of adapter	vertical 2-shaft	3-shaft horizontal + spinner disc
Nominal load capacity [kg]	22 000	
Load capacity in the field [kg]	24 000	
Body / manure capacity [m³]	30+6,5	
Working width [m]	8÷12	8÷24
Loading height [m]	3,44	
Overall dimensions [m] Length/Width/Height	11 / 2,75 / 3,67	11 / 2,91 / 3,67
Body dimensions [m] Length/Width/Height	10 / 2,32 / 1,75	
Tyres	600/55x26,5	
Spreader weight [kg]	11 520	12 320
Power demand (HP)	from 280	

APOLLO PREMIUM

Multipurpose spreaders with wide adapter



APOLLO 16 PREMIUM

STANDARD EQUIPMENT

- » adapter 1,8 m wide APOLLO 8/10 PREMIUM
- » adapter 2 m wide APOLLO 11/13/14/16/24 PREMIUM
- » hydraulic, variable control of the floor conveyor
- » 2-chain floor conveyor (1 pair) the thickness of the cell o 11 mm APOLLO 8 / 10 / 11 / 13 PREMIUM
- » 4-chain floor conveyor (2 pairs) the thickness of the cell o 14 mm APOLLO 14 / 16 / 24 PREMIUM
- » sprung bottom drawbar, on a longitudinal leaf spring
- » mechanically adjustable drawbar support
- » 1-line air brake system
- » handbrake
- » complete lighting installation
- » wide angle PTO shaft (830 Nm L. nom 1110 mm.)

MODEL

	2 SHAFT VERTICAL	2 SHAFT HORIZONTAL + SPINNER DISC
APOLLO 8 PREMIUM – LOAD CAPACITY 6,5 T	24 600	—
APOLLO 10 PREMIUM – LOAD CAPACITY 8 T	25 700	—
APOLLO 11 PREMIUM – LOAD CAPACITY 9 T	26 800	28 700
APOLLO 13 PREMIUM – LOAD CAPACITY 10 T	30 100	32 000
APOLLO 14 PREMIUM – LOAD CAPACITY 11 T	32 100	34 200
APOLLO 16 PREMIUM – LOAD CAPACITY 14 T	34 700	36 800
APOLLO 24 PREMIUM – LOAD CAPACITY 16 T	47 100	49 200

ACCESSORIES AT EXTRA CHARGE

horizontal adapter + spinner disc (APOLLO 8/10 PREMIUM)		7 560
horizontal adapter + spinner disc (APOLLO 11/13 PREMIUM)		7 990
horizontal adapter + spinner disc (APOLLO 14/16/24 PREMIUM)		12 480
shredding + disc adapter (APOLLO 8/10 PREMIUM)		5 320
shredding + disc adapter (APOLLO 11/13 PREMIUM)		5 800
shredding + disc adapter (APOLLO 14/16/24 PREMIUM)		7 560
trailer box tailgate (APOLLO 8/10 PREMIUM)		1 280
trailer box tailgate (APOLLO 11/13/14/16/24 PREMIUM)		1 310
rear guard of the vertical adapter (APOLLO 8/10 PREMIUM) **		350
rear guard of the vertical adapter (APOLLO 11/13/14/16/24 PREMIUM) **		360
capacity attachment (APOLLO 11/13/14/16/24 PREMIUM)		3 300
mechanic deflector for horizontal /shredding adapter	N	200
mechanic deflector for 2-shaft vertical adapter	N	360
hydraulic deflector for 2-shaft vertical adapter (APOLLO 8/10/11 PREMIUM)	N	2 020
hydraulic deflector for 2-shaft vertical adapter (APOLLO 14/16/24 PREMIUM)	N	2 160
wheels mudguards (Apollo 8/10/11/13 PREMIUM) *		560
wheels mudguards (Apollo 14/16 PREMIUM)		660
wheels mudguards (Apollo 24 PREMIUM) *		1 310
RBS distributor		510
hydraulic support *		400
electric control of floor conveyor drive, MSR-5		1 140
ball hitch, ø80 *		270
2-line air brake system		330

** required for driving the spreader on public roads

APOLLO PREMIUM



Large wheels

APOLLO PREMIUM spreaders are provided with a single axle and large wheels, which results in less rolling resistance and good load capacity and manoeuvrability. The advantages also include easy driving on difficult terrain, protection of soil structure, and fuel economy.

Hydraulic conveyor drive

In APOLLO PREMIUM spreaders, hydraulic drive of the floor conveyor is transmitted by a gear designed for heavy loads. The use of hydraulic drive of floor conveyor ensures uniform feeding of material (e.g. manure, peat or lime) to the spreading units. Large diameter of sockets helps to minimize the chain wear.

Deflectors

APOLLO PREMIUM spreader is equipped with deflectors, which allows to control the direction and the width of the manure spread. Rear flap can be adjusted mechanically or hydraulically. Deflectors can be opened in the range desired by the operator, depending on the needs and current conditions.

APOLLO PREMIUM	8	10	11		13	
Type of adapter	vertical 2-shaft	vertical 2-shaft	vertical 2-shaft	horizontal / shredding + spinner disc	vertical 2-shaft	horizontal / shredding + spinner disc
Nominal load capacity [kg]	6 500	8 000	9 000		10 000	
Load capacity in the field [kg]	9 000	11 000	12 000		13 000	
Body / manure capacity [m³]	7,5 + 3	10 + 3	11 + 3		12 + 3,5	
Working width [m]	8÷12		8÷12	12÷24	8÷12	12÷24
Loading height [m]	2,40	2,65	2,55		3,0	
Width of adapter	1,80		2,00			
Overall dimensions [m] Length/Width/Height	7,3 / 2,77 / 2,7	7 / 2,77 / 2,95	8,0 / 2,8 / 3,0		8,05 / 2,8 / 3,2	8,05 / 2,8 / 3,2
Body dimensions [m] Length/Width/Height	4,34 / 1,46÷1,96 / 1,18	4,34 / 1,46÷1,96 / 1,37	5,16 / 1,5÷2,3 / 1,4		5,16 / 1,53 / 1,7	
Tyres	18,4×34	18,4×38	23,1 R26		580/70 R38	
Rotation of PTO [rpm]			540			
Spreader weight [kg]	4 100	4 200	4 500		4 800	
Power demand (HP)	80	90	80÷100		80÷120	

APOLLO PREMIUM	14		16		24	
Type of adapter	vertical 2-shaft	horizontal / shredding + spinner disc	vertical 2-shaft	horizontal / shredding + spinner disc	vertical 2-shaft	horizontal / shredding + spinner disc
Nominal load capacity [kg]	11 000		13 000		18 000	
Load capacity in the field [kg]	14 000		16 000		20 000	
Body / manure capacity [m³]	14 + 3,5		16,5 + 3,5		20+3,5	
Working width [m]	8÷12	12÷24	8÷12	12÷24	8÷12	12÷24
Loading height [m]	2,6		3,00		3,05	
Width of adapter	2,00					
Overall dimensions [m] Length/Width/Height	8,6 / 3,09 / 3,0		8,6 / 2,93 / 3,2		8,95 / 2,6 / 3,42	9,7 / 2,6 / 3,42
Body dimensions [m] Length/Width/Height	5,68 / 1,5÷2,3 / 1,4		5,68 / 1,5÷2,3 / 1,75		6,5 / 1,5÷2,3 / 1,83	
Tyres	28,1 R26		650/75 R32		23,1 R26	
Rotation of PTO [rpm]	1000					
Spreader weight [kg]	5 730		5 880		5 650	5 730
Power demand (HP)	100÷120		120÷150		120÷130	

APOLLO 6 / 8 / 10 / 11 / 14 / 16

Multipurpose spreaders for work in hard field conditions



APOLLO 10 with vertical 2-shaft adapter

STANDARD EQUIPMENT

- » adapter 1.5 m wide
- » hydraulic, variable control of the floor conveyor
- » 2-chain floor conveyor (1 pair of bars) the thickness of the cell o 11 mm for APOLLO 6 / 8 / 10 / 11
- » 4-chain floor conveyor (2 pair of bars) the thickness of the cell o 14 mm for APOLLO 14/16
- » sprung bottom drawbar, on a longitudinal leaf spring
- » mechanical drawbar support
- » 1-line air brake system
- » handbrake
- » complete lighting installation
- » PTO shaft (830 Nm, L nom. 1110 mm, 1000 RPM)



COMPOST, LIME AND PEAT – horizontal adapter + spinner disc

APOLLO spreader can be supplied with the spinner disc attachment with 2-drum horizontal worm adapter (with replaceable cutting blades). Such a solution works very well at sludge, compost and peat spreading to the width from 12 to 24 m.



MANURE 2-shaft vertical adapter

APOLLO spreaders are supplied with universal 2-shaft worm adapter of wide spreading range. Two aggressive spreading shafts quickly process manure or other material supplied by the floor scraper bars and large spinner discs with four vanes, adequately shaped and abrasion-resistant, are capable to achieve even several meters' wide spreading range at maintaining very good consistency.

MODEL

2 SHAFT VERTICAL

2 SHAFT HORIZONTAL SPINNER DISC

APOLLO 6 – LOAD CAPACITY 5 T

19 900

22 000

APOLLO 8 – LOAD CAPACITY 6,5 T

20 800

22 800

APOLLO 10 – LOAD CAPACITY 8 T

23 800

25 900

APOLLO 11 – LOAD CAPACITY 9 T

24 900

29 700

APOLLO 14 – LOAD CAPACITY 11 T

30 300

32 300

APOLLO 16 – LOAD CAPACITY 13 T

32 900

34 900

ACCESSORIES AT EXTRA CHARGE

trailer box tailgate (APOLLO 6 / 8 / 10 / 11)

1 280

trailer box tailgate (APOLLO 14 / 16)

1 310

rear guard of the vertical adapter (APOLLO 10 / 11 / 14 / 16) **

350

mechanic deflector for horizontal /shredding adapter

200

mechanic deflector for 2-shaft vertical adapter

360

hydraulic deflector for 2-shaft vertical adapter

1 990

wheels mudguards (Apollo 6 / 8 / 10 / 11) *

560

wheels mudguards (Apollo 14 / 16) *

660

RBS distributor

510

hydraulic support

400

electric control of floor conveyor drive, MSR-5

1 140

ball hitch, ø80

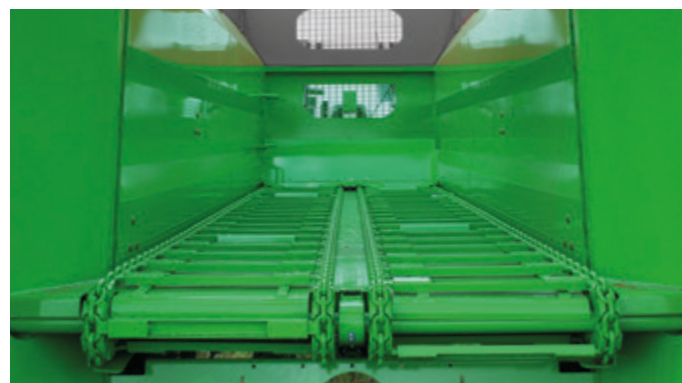
270

2-line air brake system

330

** required for driving the spreader on public roads

APOLLO 6 / 8 / 10 / 11 / 14 / 16



Sprung bottom drawbar

The drawbar suspended on a longitudinal adjustable leaf spring installed in the APOLLO spreaders absorbs any unevenness during operation of the spreader

Chain floor conveyor

Apollo spreaders 14, 16 are equipped with a carrier consisting of four chains. The chains are made of high quality steel with a diameter of 14 mm, and with special bars are designed to carry heavy loads. Large diameter wheels socket can reduce the consumption chain

APOLLO	6		8		10	
Type of adapter	vertical 2-shaft	horizontal + spinner disc	vertical 2-shaft	horizontal + spinner disc	vertical 2-shaft	horizontal + spinner disc
Nominal load capacity [kg]	5 000		7 500		8 000	
Load capacity on the field (kg)	7 500		9 000		11 000	
Body / manure capacity [m3]	6+3		7,5+3		10+3	
Working width [m]	8÷12	12÷24	8÷12	12÷24	8÷12	12÷24
Loading height [m]	2,12		2,4		2,65	
Adapter width (m)	1,50					
Overall dimensions [m] Length/Width/Height	6,95 / 2,57 / 2,6	7,05 / 2,57 / 2,6	7,3 / 2,77 / 2,7	7,25 / 2,55 / 2,7	7,3 / 2,77 / 2,95	7,25 / 2,55 / 2,8
Body dimensions [m] Length/Width/Height	4,34 / 1,46÷1,96 / 0,98		4,34 / 1,46÷1,96 / 1,18		4,34 / 1,46÷1,96 / 1,37	
Tyres	18,4×30		18,4×34		18,4×38	
Rotation of PTO [rpm]	540					
Spreader weight [kg]	3400	3460	4 040	4 100	4 090	4 150
Power demand (HP)	50 ÷60		70 ÷80		75 ÷90	

APOLLO	11		14		16	
Type of adapter	vertical 2-shaft	horizontal + spinner disc	vertical 2-shaft	horizontal + spinner disc	vertical 2-shaft	horizontal + spinner disc
Nominal load capacity [kg]	9 000		11 000		13 000	
Load capacity on the field (kg)	12 000		14 000		16 000	
Body / manure capacity [m3]	11+3		13+3,5		16+3,5	
Working width [m]	8÷12	12÷24	8÷12	12÷24	8÷12	12÷24
Loading height [m]	2,60		3,00		3,05	
Adapter width (m)	1,50					
Overall dimensions [m] Length/Width/Height	8,0 / 2,8 / 3,0		8,6 / 3,09 / 3,0		8,6 / 2,93 / 3,2	
Body dimensions [m] Length/Width/Height	5,16 / 1,5÷2,38 / 1,4		5,68 / 1,5÷2,3 / 1,4		5,68 / 1,5÷2,3 / 1,75	
Tyres	23,1×R26		28,1×R26		650 / 75R32	
Rotation of PTO [rpm]	540		1000			
Spreader weight [kg]	4 500	4 750	5 730	5 650	5 780	5 720
Power demand (HP)	80÷100		100÷115		120÷130	

TYTAN 7 PLUS

Spreader



Tytan 7 PLUS with 4-shaft vertical adapter

STANDARD EQUIPMENT

- » hydraulic, variable control of the floor conveyor
- » 2-chain floor conveyor (1 pair of bars)
- » 1-line air brake system
- » handbrake
- » complete lighting installation
- » rear wall
- » wheelbase 1550 mm

MODEL

	2-SHAFT HORIZONTAL ADAPTER	4-SHAFT VERTICAL ADAPTER
TYTAN 7 PLUS – LOAD CAPACITY 5 T	11 300	14 300

ACCESSORIES AT EXTRA CHARGE

PTO shaft (400 Nm L. nom 830 mm) *	160
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Spreader has a standard equipment with a rear wall, after its assumption the fertilizer can work as a trailer to transport agricultural products



4-shaft vertical adapter

The spreaders are supplied with 4-shaft vertical adapter inclined towards the front of the machine that ensures uniform manure spread to the width up to 6 m.

TYTAN	7 PLUS	
Type of adapter	horizontal 2-shaft	vertical 4-shaft
Nominal load capacity [kg]	5000	
Load capacity on the field (kg)	7 500	
Body / manure capacity [m³]	5,5 + 3	
Working width [m]	2,5	4 ÷ 6
Loading height [m]	1,89	
Overall dimensions [m] Length/Width/Height	6,34 / 2,05 / 2,6	
Power demand (HP)	60 ÷ 70	
Spreader weight [kg]	3300	3350
Height of sides	0,75	
Tyres	11,5 / 80 × 15,3	
Number of axles	2, with springs	2, with springs



Mounted hydraulic drive of the floor conveyor allows variable adjustment of sown dose

ADAPTERS FOR SPREADERS



ploughs

cultivation

seeding
equipment

combination
seed drills

disc, rotary
& tillage mowers

rakes & tedders

bale wrappers
combination

bale
wrappers

mineral
fertilization

MANURE
FERTILIZATION

potato
technology

transport

protection

storage



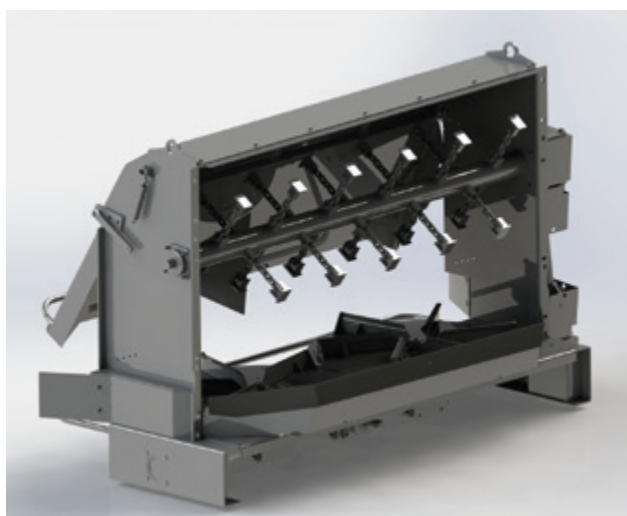
Manure VERTICAL 4-SHAFT ADAPTER

The spreaders are supplied with 4-shaft vertical adapter inclined towards the front of the machine that ensure uniform manure spread to the width from 6 to 8 m. The vertical beater is equipped with removable, bolted teeth made of high quality steel.



COMPOST, LIME, PEAT – 2-SHAFT HORIZONTAL ADAPTER + SPINNER DISC

Spinner disc adapter with 2-drum auger horizontal adapter serves for spreading of rotted manure (without fresh straw), lime, sludge, compost and peat to the width from 12 to 20 m.



COMPOST, LIME, PEAT – 2-SHAFT HORIZONTAL SHREDDING ADAPTER + SPINNER DISC

Spinner disc adapter with shredder adapter serves for spreading of rotted manure (without fresh straw), lime, sludge, compost and peat to the width from 12 to 20 m.



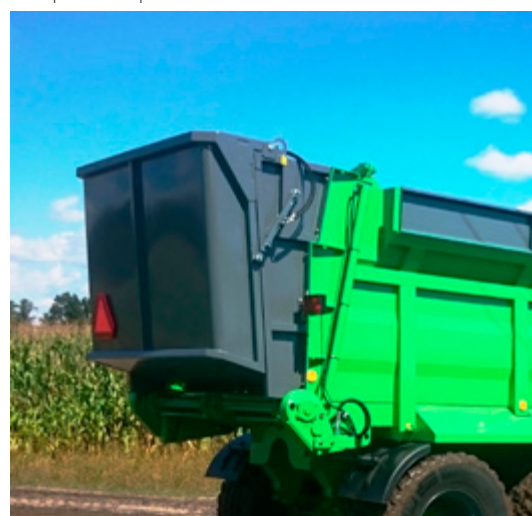
MANURE, LIME 2-SHAFT VERTICAL ADAPTER

Two shafts and 4-paddle discs are capable to achieve even several meters' wide spreading range at maintaining very good consistency. The multipurpose 2-shaft adapter can spread both manure, as peat and lime.



COMPOST, LIME, PEAT – 3-SHAFT HORIZONTAL ADAPTER + SPINNER DISC

Spinner disc adapter with 3-drum auger horizontal adapter serves for spreading of rotted manure (without fresh straw), lime, sludge, compost and peat to the width from 12 to 24 m.



CAPACITY INCREASING ATTACHMENT

A spreader equipped with a set of special top additions and capacity increasing extensions with hydraulically opened rear wall changes so, that the machine becomes a trailer with automatic unloading.

POTATO TECHNOLOGY



KORA

Potato planters



KORA 2 – with equipment for sprouted potatoes

STANDARD EQUIPMENT

- » Interrow width 70 / 75 / 90 cm
- » belt tensioner
- » feeding belt shaker
- » ridging discs
- » ground-following wheels (KORA 4, 4h, 4hp, 4ho)
- » sprocket wheels – 15 speeds
- » hydraulic markers (models KORA 4, 4h, 4hp, 4ho)

KORA:

- » planting width 70 ÷ 90 cm



KORA 4

Mounted four row potato planter with hopper load capacity 840-900 kg (it depends from width of planting).



KORA 4HO

Mounted four row potato planter equipped with a forming device.



KORA 4HP

Trailed four row potato planter with hydraulically lifted hopper with load capacity 2000-2200 kg (it depends from width of planting).

MODEL	PRICE
KORA 2 (70÷75 CM)	4 100
KORA 4 (70 / 75 CM)	8 700
KORA 4H (75 / 90 CM)	11 300
KORA 4HP (75 / 90 CM)	14 900
KORA 4HO (75 CM)	13 900

ACCESSORIES AT EXTRA CHARGE

optional set for planting sprouted potatoes (for KORA 2)	1 440
optional set for planting sprouted potatoes (for KORA 4)	2 890
surcharge for interrow width 90 cm (for KORA 4H / 4HP)	460
fertilizer scatterer (for KORA 2) *	850
fertilizer scatterer (for KORA 4) *	1 680
set of inserts for planting undersized seeds (for KORA 2) *	170
set of inserts for planting oversized seeds (for KORA 2) *	200
set of inserts for planting undersized seeds (for KORA 4 / 4H / 4HP / 4HO) *	340
set of inserts for planting oversized seeds (for KORA 4 / 4H / 4HP / 4HO) *	390
track openers *	280

KORA	2	4	4H		4HP		4HO
No. of rows	2	4	4		4		4
Working width [m]	1,4÷1,5	3,0	3,0	3,6	3,0	3,6	3,0
Interrow width [cm]	70/75	70/75	75	90	75	90	75
Potato hopper capacity [kg]	400	840	1 000	1200	2 000	2 200	1 000
Planting depth [cm]	4÷12	4÷12	4÷12		4÷12		4÷12
Productivity [ha/h]	0,3÷0,5	0,6÷1,1	1,3	1,5	1,6	1,7	1,3
Weight [kg]	440	895	1 340	1 390	1 580	1 630	1 500
Power demand [HP]	50	75	75	90	75	80	90

FORMA 2 / 4

Ridging ploughs with forming device



PLUGHS

cultivation

seeding equipment

combination seed drills

disc, rotary & flail mowers

rakes & tedders

balers/wrappers combination

balers & bale wrappers

manure fertilization

manure fertilization

TECHNIKA ZIEMNIACZANA

transport

protection

storage



FORMA 2

STANDARD EQUIPMENT

- » forming device
- » selectable spacing of interrows, 75 / 70 cm
- » adjustable tilt of the forming device
- » forming plates are removable (for processing ridges after plant emergence)



Trapezoidal shape of the ridge after operation of the ridging plough ensures better moisture retention in the ridge.

MODEL

FORMA 2

PRICE

3 000

FORMA 4

5 200



FORMA		2-ROW	4-ROW
Working width [m]		1,5	3
Interrow width [cm]		70 / 75	70 / 75
Productivity [ha/h]		0,5÷0,7	1,0÷1,4
Dimensions [m]	length	1,89	1,89
	width	1,77	3,28
	height	1,12	1,12
Weight [kg]		420	700
Power demand [HP]		from 45	from 65

Elongated forming plates can be installed in the standard versions of the 2- and 4-row ridging ploughs

BOLKO

Potato and vegetable harvesters



BOLKO with 1250 kg hopper capacity

STANDARD EQUIPMENT

- » hydraulically controlled drawbar
- » tank for stones
- » hydraulic lifting and lowering of the digger
- » lighting installation
- » Swinging scraper
- » Stalk separator
- » PTO shaft (250 Nm L. nom. 1650)



Stalk separator

Specially shaped rods deliver stalks to rubber roller, which draws them up and throws on the field.



BOLKO S

Potato harvester with bag loader and platform, with loading capacity of 500 kg



BOLKO T

Potato and vegetable harvester designed for direct discharge on a trailer

MODEL

BOLKO

PRICE

23 300

BOLKO S

20 400

BOLKO T

24 100

ACCESSORIES AT EXTRA CHARGE

onion pick-up *	790
carrot digger *	690
electromechanical control of the harvester hydraulic system	3 230
circular scraper	1 240
chute basket *	300



Swinging scraper

Mechanically adjustable two strips raking potatoes on the picking table.



Circular scraper – option

Hydraulically adjustable softly slides potatoes on the picking table.

TYPE		BOLKO	BOLKO S	BOLKO T
Working width [m]		0,625÷0,75	0,625÷0,75	0,625÷0,75
No. of rows		1	1	1
Working speed [km/h]		1,5÷5,0	1,5÷5,0	1,5÷5,0
Productivity [ha/h]		do 0,15	do 0,15	do 0,15
Potato hopper capacity [kg]		1250	—	—
Width of loading duct [mm]		—	—	600
Platform load capacity [kg]		—	500	—
Dimensions [m]	length	5,95	5,95	5,95
	width	2,42	2,42	2,42
	height	2,69	1,9	2,95
Discharge height [m]		1,1÷2,5	—	do 3,1
Power demand [HP]		40	30	30
Weight [kg]		1 971	1 531	2 090
Operators		2 persons	2 persons	—

PYRA 1600

Potato and vegetable harvesters



ploughs

cultivation

seeding
equipment

combination
seed drills

disc, rotary
& flail mowers

rakes & tedders

bales/wrappers
combination

bale
wrappers

mineral
fertilization

manure
fertilization

POTATO
TECHNOLOGY

transport

protection

storage



PYRA 1600

STANDARD EQUIPMENT

- » additional cleaning components (fingers)
- » hydraulic drive of the potato hopper conveyor
- » hydraulically controlled drawbar
- » hydraulic lifting of digger
- » active finger scraper
- » hopper
- » lighting installation
- » PTO shaft (250 Nm, L nom. 1650)



Additional cleaning components (fingers) with wide pitch conveyor

By attaching this optional cleaning unit, you can significantly improve effectiveness of cleaning potatoes from soil clods and haulms. This is especially important when digging potatoes in difficult field conditions and on the fields with great amount of haulms or weeds.



PYRA 1600 harvester has a hopper with adjustable discharge height in the range from 1.25 to 2.7 m

MODEL

PYRA 1600

PRICE

36 500

PYRA 1600 (with platform and bag loader)

34 200

ACCESSORIES AT EXTRA CHARGE

onion pick-up *

880

carrot digger *

880

electromechanical control of the harvester hydraulic system

3 230

raincover *

1 340



PYRA 1600 with platform and bag loader

PYRA		1600 with hopper	1600 with platform
Working width [m]		0,75	
No. of rows		1	
Working speed [km]		1,5÷5,0	
Productivity [ha/h]		from 0,16	
Potato hopper capacity [kg]		1600	—
Platform load capacity [kg]		—	1000
Dimensions [m]	length	7,47	
	width	2,4	
	height	2,8	
Discharge height [m]		1,35÷2,70	—
Tyres		11,5/80-15,3-10PR	
Power demand [HP]		od 50	
Weight [kg]		2 900	2 650

PYRA 3000

Potato and vegetable harvesters



PYRA 3000

STANDARD EQUIPMENT

- » hydraulic drive of the potato hopper conveyor
- » hydraulic lifting of digger
- » active finger scraper
- » smooth control of finger scraper and picking table conveyors' speed
- » hydraulically controlled drawbar
- » independent hydraulic control system – finger scraper and picking table
- » steerable wheels
- » wheels 385/60 R22.5
- » hopper
- » lighting installation
- » PTO shaft (400 Nm, L nom. 1650)

MODEL

PYRA 3000

PRICE

58 700

ACCESSORIES AT EXTRA CHARGE

onion pick-up *	880
carrot digger *	880
electromechanical control of the harvester hydraulic system	3 230



Active circular scraper (finger)

Hydraulically adjustable softly directs the potatoes on the picking table.



PYRA 3000 harvester is provided with a hydraulically raised hopper for adjustment the discharge height in the range from 1.25 mm to 3.7 m



The harvester hydraulic system can be controlled manually or electromechanically from the tractor cab

PYRA	3000
Working width [m]	0,75÷0,90
No. of rows	1
Working speed [km/h]	1,5÷5,0
Productivity [ha/h]	do 0,18
Potato hopper capacity [kg]	3000
Dimensions [m] (length / width / height) [m]	8,15 / 2,82 / 3,02
Discharge height [m]	1,25÷3,70
Power demand [HP]	80
Weight [kg]	4690
Operators	2 + 2 persons



Hydraulically controlled steering of wheels in PYRA 3000 harvester facilitates turns on headlands, work on slopes and accessing trailers for unloading

WEGA 1400 UNO / 1600 DUO

Potato and vegetable diggers



ploughs

cultivation

seeding
equipment

combination
seed drills

disc, rotary
& flail mowers

rakes & tedders

bales/wrappers
combination

bale
wrappers

mineral
fertilization

manure
fertilization

POTATO
TECHNOLOGY

transport

protection

storage



WEGA 1400 UNO

STANDARD EQUIPMENT

- » coulter discs
- » every other rod is lined
- » adjustable vibration mechanism
- » sifter shaker
- » rubber support wheels
- » rear chute



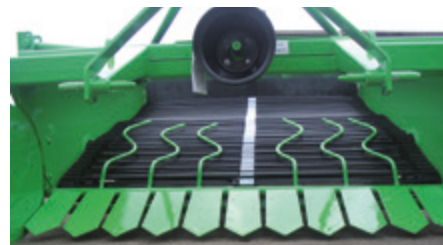
Digging share for onion and vegetables – WEGA 1400 UNO

The digger can be used for harvesting onion and other vegetable after replacing the digging share with a special plate.



Packing roller, WEGA 1400 UNO

As option, a packing roller can be installed in the digger, which levels soil under falling potatoes or vegetables, which facilitates and accelerates their pick-up



Shaking system, WEGA 1400 UNO

In order to effectively clean the vegetables and sift soil, transversely shaking rods are installed in the front part of the digger and shakers in the conveyor rear part. Depending of the digger operating conditions, vibration speed of the transverse rods can be appropriately adjusted.

MODEL

WEGA 1400 UNO

PRICE

4 300

WEGA 1600 DUO

5 400

ACCESSORIES AT EXTRA CHARGE

digging share for onion [WEGA 1400 UNO] *

130

packing roller [WEGA 1400 UNO] *

300

PTO shaft [WEGA 1400 UNO] (250 Nm L. nom. 690 mm) *

170

PTO shaft [WEGA 1600 DUO] (400 Nm L. nom. 690 mm) *

180

Version with two conveyors
(WEGA 1600 DUO)



WEGA	1400 UNO	1600 DUO
Working width [m]	1,4 (1,5)	1,6
Interrow width [cm]	70÷75	75÷90
No. of rows [pcs.]	2	2
Dimensions (length / width / height) [m]	2,84 / 1,8/ 1,12	3,5 / 1,8/ 1,12
Weight [kg]	608	720
Power demand [HP]	55	65

TRANSPORT



P LONG

Twin axle trailers



P10 long

STANDARD EQUIPMENT

- » turntable axle with double-acting cylinder
- » triangular drawbar with adjustable support spring and ø40 hitch-ring
- » 1-line air brake system with automatic brake controller (P-6 long & P8 long)
- » 2-line air brake system with automatic brake controller (P10 long, P12 long & P14 long)
- » trailer sides' spring opening system in P 8 long
- » lighting installation
- » homologation approval for 40 km/h
- » rear hydraulic socket
- » rear electric socket
- » rear coupler of brake system
- » tipping system with cut-off valve
- » 3-side tripping telescopic cylinder with articulated joint
- » grain chute in the rear wall
- » wheel chocks with pockets
- » rear wheel mudguards
- » side ladder and steps facilitating access to the cargo
- » warning triangle



Long body allows using the trailer for transport of bale of straw, wooden boxes or europallets



Net attachment allows universal usage of trailer for transport of various materials, e.g. corn and grass.

MODEL

P 6 LONG

PRICE

14 700

P 8 LONG

16 100

P 10 LONG

17 900

P 12 LONG

19 400

P 14 LONG

22 000

ACCESSORIES AT EXTRA CHARGE

spare wheel, 14,0/65×16 + wheel basket (P Long 6) *

490

spare wheel, 15,0/70×18 + wheel basket (P Long 8) *

530

spare wheel, 385/65 R22.5 + wheel basket (P Long 10 / 12 / 14) *

820

working platform with rail (P Long 10 / 12 / 14) *

230

tarpaulin w. rack *

1 050

regular rear hitch (galvanized) (P Long 6 / 8) *

90

ROCKINGER rotary rear hitch*

460

ROCKINGER automatic rear hitch *

750

net attachments, 600 mm (P 6 / 8 / 10 Long) *

1 730

net attachments, 1000 mm (P 6 / 8 Long) *

2 060

grain chute *

70

other tires available upon request

TYPE		P 6 LONG	P 8 LONG	P 10 LONG	P 12 LONG	P 14 LONG
Technical capacity [kg]		6 000	8 000	10 000	12 000	14 000
Cargo body dimensions [m]	length	5,25	5,25	5,25	5,25	5,25
	width	2,42	2,42	2,42	2,42	2,42
	height	0,6	0,8	0,6 + 0,4	0,6 + 0,6	0,6 + 0,8
Trailer body capacity [m³]		7,6	10	11,45	15,25	18
Total dimensions [m]	length	7,03	7,26	7,32	7,32	7,32
	width	2,55	2,55	2,55	2,55	2,55
	height	1,78	1,95	2,75	2,97	3,17
Standard tyre size		14,0/65×16	15,0/70×18	385/65 R22,5	385/65 R22,5	385/65 R22,5
Weight [kg]		3 200	3 600	4 000	4 300	4 600



PS 22W

STANDARD EQUIPMENT

- » 2-line air brake system
- » sprung tandem wheelset
- » 2-line air brake system with automatic brake controller
- » handbrake
- » sprung drawbar
- » steps inside the cargo box
- » gate for stream discharge in the rear wall
- » hydraulically opened rear wall with hook lock
- » mudguards/fenders
- » wheel chocks
- » mechanical support foot
- » 550/60 R22.5 tyres

MODEL

PRICE

PS 20	27 300
PS 22	29 200
PS 24	30 500
PS 20 W (LIFTED CONTAINER)	30 000
PS 22 W (LIFTED CONTAINER)	32 100

ACCESSORIES AT EXTRA CHARGE

hopper tarpaulin cover, mechanically folded *	1 730
working platform with rail *	270
ROCKINGER rotary rear hitch *	460
ROCKINGER automatic rear hitch *	750
hydraulically steered rear axle	2 090
grain chute *	130
ball hitch, ø80 *	270
vegetable bruise reducing tent	360



Hermetic trailer can transport even the smallest or semi-liquid materials.



Trailers come with a sprung drawbar as a standard, which absorbs all vibrations.

TYPE		PS 20	PS 22	PS 24	PS 20 W	PS 22 W
Total weight [t]		20	22	22	20	22
Technical capacity [t]		14	16	16	14	16
Trailer body capacity [m³]		16,5		18/27	16,5	
Body capacity with 500 mm attachment [m³]		23		—	23	
Speed approval [km/h]		(25) 40		(25) 40	(25) 40	
Axle load [kg]		2× 9000	2× 10000	2× 10000	2× 9000	2× 10000
Max drawbar load on hitch [t]		2÷3		2÷3	2÷3	
Cargo body dimensions [m]	length	6,0		6,5	6,0	
	width	2,2		2,2	2,2	
	height	1,25	1,75	2,25	1,25	1,75
Total dimensions [m]	length	7,8		8,5	7,8	
	width	2,55		2,55	2,55	
	height	2,7	3,1	3,52	2,7	3,1
Weight [kg]		5 545	5 745	6 245	5 645	5 845



Clamps

Robust and tight closing of the rear wall by clamping hooks, which automatically lock the rear wall after its lowering.

BIZON

Trailers to transport crops and corn



BIZON 25000

STANDARD EQUIPMENT

- » tandem sprung suspension
- » hydraulic control of unloading mechanisms
- » hydraulic support foot, folded
- » 2-line air brake system
- » PTO shaft
- » handbrake
- » rear twisting axle (self-adjusting)
- » working platform with rail
- » side ladder and steps
- » wheel chocks with pockets
- » wheel mudguards



Mounted as standard twisting wheels perfectly enhance the maneuverability of the trailer.



The reloading capacity of the BIZON trailer is 200 tonnes per hour.



Reloading trailers can be equipped with extension discharge pipe with length of 6 m.

MODEL	PRICE
BIZON 20000	48 900
BIZON 25000	52 900

ACCESSORIES AT EXTRA CHARGE

hopper tarpaulin cover, mechanically folded *	1 440
ball hitch, ø80 *	270
chute extension, hydraulically controlled	6 100

TYPE	20000	25000
Total permitted weight [kg]	18 000	22 000
Total permitted weight on the field [kg]	20 000	24 000
Kerb weight [kg]	7 100	7 650
Load capacity [kg]	10 900	14 350
Cargo capacity [m3]	20	25
Discharge rate [t/h]	200 ÷ 400	
Trailer body internal dimensions (L / W) [mm]	6 000 / 2 492	
Overall dimensions (L/W/H) [mm]	8 900 / 2 875 / 3 250	8 900 / 2 875 / 3 550
Cargo body height [m]	1490	1490+250
Thickness of the metal sheet: floor/walls/accessories [mm]	4/4/3	
Height of loading to the top edge from the floor [mm]	3000	3300
Wheel track [mm]	1900	
Tyres	550/60×22,5	600/50×26,5
Min. tractor power demand [HP]	150	170
Hydraulically folded auger (dia./length/height above the outlet) [mm]	430 / 5 245 / 4 800	430 / 5 245 / 4 850
Height of the top hitch (from the ground level) / load on drawbar [mm/kg]	1 000 / 2 500	
Height of the lower hitch (from the ground level) / load on drawbar [mm/kg]	600 / 3 000	

transport platforms for the transport of agricultural machinery, pallets, crates and bales of straw



STANDARD EQUIPMENT

- » skew hitch – beam of Cat. II and III
- » mechanical transport interlock
- » brackets for attachment of belts on both sides
- » 40 mm thick wooden boards
- » lighting panel
- » 2-line air brake system
- » max load capacity 6 tons
- » max speed 25 km/h

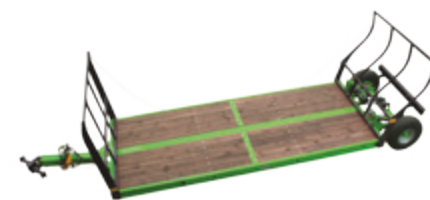
MODEL

PRICE

PL 6	8 600
PL 6 WITH ATTACHMENT FOR BALES	9 400



Loading of machines is no concern since the platform can be lowered to the ground level



After installation of special brackets, PL6 platform can be used for transport of hay or straw bales

TYPE	PL 6	PL 6 WITH BALE ATTACHMENT
Load capacity [t]	5,5	
Length (without drawbar) [mm]	9 000	
Width [mm]	2 480	
Loading height [mm]	200 ÷ 500	200 ÷ 500
1-axle unit	12,5/80×15,3	
2-axle unit	—	—
3-axle unit	—	—
Pallet dimensions [m]	6,0×2,48	6,0×2,48
Platform weight [kg]	2 040	2 220

PROTECTION





EKO 615

STANDARD EQUIPMENT

- » 3-chamber tank (600 & 800 & 1000)
main tank : 600,800,1000 Polyethylene
clean water tank for hand washing
clean water tank for rinsing
- » membrane-piston pump:
ZETA 100 – 600, 800 l
ZETA 140 – 1000 l
- » water diluter in the main tank inlet
- » ZSF manual control valve on the jib
- » field booms: 12 m and 15 m manually unfolded and lifted
- » field boom (18 m) manually unfolded and hydraulically lifted (1000 L)
- » boom lifting: up to 2.1 m (for 600 – 1.7 m)
- » trapezoidal stabilization system
- » fluid system; PCV hoses, spray nozzles in 50 cm intervals
- » single-position heads with spraying nozzles

MODEL MODEL WITH STANDARD EQUIPMENT

MODEL	PRICE
EKO 612	2 600
EKO 615	3 000
EKO 812	3 500
EKO 815	3 900
EKO 1015	5 000
EKO 1018	6 600

MODEL MODEL WITH RECOMMENDED EQUIPMENT PACKAGE

MODEL	PRICE
EKO 612	3 200
EKO 615	3 600
EKO 812	4 000
EKO 815	4 500
EKO 1015	5 700
EKO 1018	7 300

For optional accessories, see pages: 160–169



Field boom (12,15 m) with a fluid system made of acid-resistant piping – available as option.



Hydraulic lifting beam 18 m as standard (optional for beams 12,15 m)



A self-locking system of the boom facilitates its unfolding. Rubber elements provide additional protection against mechanical damage.

* RECOMMENDED FACTORY PACKAGE:

- » ZTS constant pressure control valve on the jib
- » 4-position heads with spray nozzles (for 12/15/18 m booms)

EKO	612	615	812	815	1015	1018
Tank volume [l]	600		800		1000	
Working width [m]	12	15	12	15	15	18
Number of sections of boom fluid system	5					
The number of heads in the sections of the liquid	5-4-6-4-5	6-6-6-6-6	5-4-6-4-5	6-6-6-6-6	6-6-6-6-6	7-8-6-8-7
Boom lifting range [m]	0,5÷1,7		0,5÷2,1			
Boom control	manual					
Pump	ZETA 100				ZETA 140	
Transport dimensions [m] length/width/height	1,3 / 2,7 / 2,0	1,3 / 2,7 / 2,0	1,3 / 2,6 / 2,5	1,3/2,6/2,5	1,3 / 2,6 / 2,5	1,6 / 2,9 / 2,5
Power demand [HP]	80				100	
Weight [kg]	280	314	380	420	460	530



LUX 1015

STANDARD EQUIPMENT

- » main tank: 400,600, 800,1000 – Polyethylene
- » clean water tank for rinsing
- » clean water tank for hand washing
- » ZETA 100 membrane/piston pump for models 400/600 and ZETA 140 for models 800/1000
- » water diluter in the main tank inlet
- » ZSF control valve on the jib
- » 1-position heads with spraying nozzles
- » SYMMETRIC BOOM, hydraulically controlled with tractor levers (2 pairs of hoses), 12 or 15 m
- » hydraulic boom lifting up to 2.1 m with mechanical shock absorption (for 400/600 – 1.7 m)
- » trapezoidal stabilization system
- » manual correction of the boom inclination
- » fluid system: 1/2" acid-resistant steel, spraying nozzles in 50 cm intervals

MODEL MODEL WITH STANDARD EQUIPMENT

MODEL	PRICE
LUX 412	5 800
LUX 415	6 100
LUX 612	6 500
LUX 615	6 700
LUX 812	6 900
LUX 815	7 100
LUX 1012	7 600
LUX 1015	7 800

MODEL MODEL WITH RECOMMENDED EQUIPMENT PACKAGE

MODEL	PRICE
LUX 412	6 700
LUX 415	7 100
LUX 612	7 400
LUX 615	7 700
LUX 812	7 800
LUX 815	8 100
LUX 1012	8 600
LUX 1015	8 900

For optional accessories, see pages: 160–169



LUX comfortable sprayer recognizable by its distinctive arrangement of the folded lightweight boom, resulting in a low total weight



Boom folded independantly with tilting cylinder make possible to pass obstructions and boom stabilization to crops (as option)

* RECOMMENDED FACTORY PACKAGE:

- » ZTS constant pressure control valve on the jib
- » hydraulic boom inclination
- » 3-position heads with spray nozzles (for 12/15 m booms)

For Sprayers LUX 800/1000 can be added in front TOP tank with a capacity of 1350 liters

LUX	412	415	612	615	812	815	1012	1015
Tank volume [l]	400		600		800		1000	
Working width [m]	12	15	12	15	12	15	12	15
Number of sections of boom fluid system	5							
The number of heads in the sections of the liquid	5-5-4-5-5	6-6-6-6-6	5-5-4-5-5	6-6-6-6-6	5-5-4-5-5	6-6-6-6-6	5-5-4-5-5	6-6-6-6-6
Boom lifting range [m]	0,5 ÷ 1,7				0,5 ÷ 2,1			
Boom control	hydraulic – 2 pairs of hoses (with tractor levers)							
Pump	ZETA 100				ZETA 140			
Transport dimensions [m] length/width/height	1,4 / 2,6 / 2,4	1,4 / 2,6 / 3,2	1,4 / 2,6 / 2,4	1,4 / 2,6 / 3,2	1,6 / 2,6 / 2,4	1,6 / 2,7 / 3,2	1,6 / 2,6 / 2,4	1,6 / 2,7 / 3,2
Power demand [HP]	60		80					
Weight [kg]	300	320	460	480	600	620	580	600

REX

Mounted field sprayers, hydraulically unfolded and lifted booms



STANDARD EQUIPMENT

- » main tank: 1000 & 1200 L – Polyethylene
- » clean water tank for rinsing
- » clean water tank for hand washing
- » ZETA 170 membrane/piston pump
- » water diluter in the main tank inlet
- » ZSF manual control valve on the jib
- » SYMMETRIC BOOM WITH INCLINATION, hydraulically controlled with tractor levers (2 pairs of hoses), sequence folding
- » hydraulic boom lifting up to 2.1 with mechanical shock absorption
- » pendulous stabilization system with mechanical shock absorption
- » fluid system: 1/2" acid-resistant steel, nozzle sprayers in 50 cm intervals
- » 1-position heads with spraying nozzles

MODEL MODEL WITH STANDARD EQUIPMENT

MODEL	PRICE
REX 1015	12 900
REX 1018	13 300
REX 1020	14 500
REX 1021	15 000
REX 1024	16 200
REX 1215	13 600
REX 1218	14 100
REX 1220	15 200
REX 1221	15 600
REX 1224	17 000

MODEL MODEL WITH RECOMMENDED EQUIPMENT PACKAGE

MODEL	PRICE
REX 1015	20 000
REX 1018	20 500
REX 1020	21 800
REX 1021	22 200
REX 1024	24 200
REX 1215	20 700
REX 1218	21 200
REX 1220	22 400
REX 1221	22 900
REX 1224	24 300

For optional accessories, see pages: 160–169



Pendulous stabilization system with shock absorption eliminates any vibrations transmitted to the boom effectively and allows its hydraulic tilting.



* RECOMMENDED FACTORY PACKAGE:

- » SPRAY computer
- » solenoid valve for 15 ÷ 21 m boom – 5 sections
- » solenoid valve for 24 m boom – 7 sections
- » INDEPENDENT BOOM – electrohydraulically controlled (from the controller in the cab)
- » lateral ejector water diluter
- » main tank spin washer
- » rolling wheels for sprayer transport
- » 3-position heads with spray nozzles (for 15/18/20/21/24 m booms)

For Sprayers REX can be added in front TOP tank with a capacity of 1350 liters

The possibility of partial reduction of the boom working width within its full lifting range is a very great advantage of this solution. (as option)



SPRAY computer with NAVI – GPS facilitating spraying and eliminating overlapping.



We can also provide the REX sprayer with quick hitch coupler.



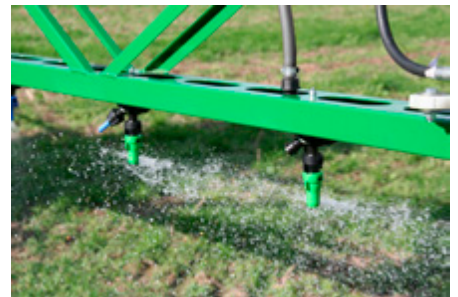
Transport width of the package: 2.55 m



Stabilization interlock allows safe folding and operations with partially unfolded boom.



Hinged part of the extreme last section protects the boom against damage during collisions with obstacles.



The spatial boom design, made entirely of bent profiles, ensures very high rigidity of its structure and enables the use of spray nozzles of any length and RSM caps.

REX	1015	1018	1020	1021	1024
Tank volume [l]	1000				
Working width [m]	15	18	20	21	24
Number of sections of boom fluid system	5				7
The number of heads in the sections of the liquid	6-6-6-6-6	7-7-8-7-7	8-8-8-8-8	9-8-8-8-9	5-8-7-8-7-8-5
Boom lifting range [m]	0,5 ÷ 2,1				
Boom control	hydraulic – 2 pairs of hoses (with tractor levers) / electrohydraulic – 1 pair of hoses (from the controller in the cab)				
Pump	ZETA 170				
Transport dimensions [m] length/width/height	1,9 / 2,6 / 2,4	1,9 / 2,6 / 2,9	1,9 / 2,6 / 2,6	1,9 / 2,6 / 2,9	1,9 / 2,6 / 3,1
Power demand [HP]	120				
Weight [kg]	990	1060	1160	1190	1270

REX	1215	1218	1220	1221	1224
Tank volume [l]	1200				
Working width [m]	15	18	20	21	24
Number of sections of boom fluid system	5				7
The number of heads in the sections of the liquid	6-6-6-6-6	7-7-8-7-7	8-8-8-8-8	9-8-8-8-9	5-8-7-8-7-8-5
Boom lifting range [m]	0,5 ÷ 2,1				
Boom control	hydraulic – 2 pairs of hoses (with tractor levers) / electrohydraulic – 1 pair of hoses (from the controller in the cab)				
Pump	ZETA 170				
Transport dimensions [m] length/width/height	1,9 / 2,6 / 2,4	1,9 / 2,6 / 2,9	1,9 / 2,6 / 2,9	1,9 / 2,6 / 2,9	1,9 / 2,6 / 3,1
Power demand [HP]	150				
Weight [kg]	1020	1090	1190	1220	1300

PLUS

Trailed field sprayers, hydraulically unfolded and lifted booms



PLUS 1618

STANDARD EQUIPMENT

- » main tank: 1600 L, 2000 L & 2500 L – Polyester
- » clean water tank for rinsing
- » clean water tank for hand washing
- » main tank spin washers
- » upper rigid drawbar with ø 40 eye
- » dry indicator of fluid (PLUS 2000/2500)
- » water diluter in the main tank inlet
- » ZETA 170 membrane/piston pump for model 1600 L and ZETA 260 for models 2000 L & 2500 L
- » ZTS constant pressure manual control valve, with cable steering
- » SYMMETRIC BOOM INCLINATION, hydraulically controlled with tractor levers (2 pairs of hoses)
- » boom section filters
- » hydraulic boom lifting up to 2.3 with mechanical shock absorption
- » pendulous stabilization system with mechanical shock absorption
- » fluid system: 1/2" acid-resistant steel, nozzle sprayers in 50 cm intervals
- » 1-position heads with spraying nozzles
- » wheels: 9.5×36" for 1200 L, 1500 L & 1600 L; 9.5×44" for 2000 L & 2500 L
- » axle with variable wheel track: 1.35÷1.8m for 1600 L; 1.5÷2.0 m for 2000 & 2500 L
- » 1-line air brake system with handbrake (for 2000 L & 2500 L)

MODEL MODEL WITH STANDARD EQUIPMENT	PRICE STANDARD BOOM	PRICE REX BOOM	MODEL MODEL WITH RECOMMENDED EQUIPMENT PACKAGE	PRICE STANDARD BOOM	PRICE REX BOOM
PLUS 1215	16 200	—	PLUS 1215	21 700	—
PLUS 1218	17 300	—	PLUS 1218	23 000	—
PLUS 1515	16 200	—	PLUS 1515	21 700	—
PLUS 1518	17 300	—	PLUS 1518	23 000	—
PLUS 1615	16 200	—	PLUS 1615	21 700	—
PLUS 1618	17 300	—	PLUS 1618	23 000	—
PLUS 2015	20 400	22 300	PLUS 2015	25 900	29 100
PLUS 2018	20 800	22 600	PLUS 2018	26 400	29 600
PLUS 2020	21 700	25 600	PLUS 2020	27 300	32 600
PLUS 2021	22 100	26 000	PLUS 2021	27 800	33 000
PLUS 2024	22 700	26 700	PLUS 2024	29 200	34 500
PLUS 2515	22 100	—	PLUS 2515	27 600	—
PLUS 2518	22 500	24 400	PLUS 2518	28 100	31 300
PLUS 2520	23 400	27 300	PLUS 2520	29 000	34 300
PLUS 2521	23 800	27 700	PLUS 2521	29 500	34 700
PLUS 2524	24 400	28 800	PLUS 2524	30 900	36 600

For optional accessories, see pages: 150–169

RECOMMENDED FACTORY PACKAGE:

PLUS WITH STANDARD BOOM

- » SPRAY computer
- » solenoid valve:
for 15÷21 m boom – 5 sections
for 24 m booms – 7 sections
- » lateral ejector water diluter
- » 4-position heads with spray nozzles

PLUS WITH REX BOOM

- » INDEPENDENT BOOM – electrohydraulically controlled (from the controller in the cab)
- » SPRAY computer
- » solenoid valve:
for 15÷21 m boom – 5 sections
for 24 m booms – 7 sections
- » lateral ejector water diluter
- » 3-position heads with spray nozzles



Sprayer with boom STANDARD can be a hydraulically tilted to the slope.



REX boom sides with independent boom sequence unfolding and boom tilting cylinder can be partially folded.



Hydraulic boom lifting up 2,3 m



Semi-automatic tracking drawbar facilitates driving in the tractor wheel tracks.



Mechanical shock absorption of axle improves boom stabilization and prolongs machine's usage time

**Dry indicator
of fluid.**

for PLUS 2000/2500



PLUS	1215	1218	1515	1518	1615	1618
Tank volume [l]	1200		1500		1600	
Working width with STANDARD BOOM [m]	15	18	15	18	15	18
No of sections of boom fluid system	5					
Boom lifting range [m]	0,5÷2,3					
Boom control	hydraulic – 2 pairs of hoses (with tractor levers) / electrohydraulic – 1 pair of hoses (from the controller in the cab)					
Wheel track [m]	1,35÷1,80					
Pump	ZETA 170					
Transport dimensions with STANDARD BOOM [m] length/width/height	4,8 / 2,5 / 3,3	5,6 / 2,5 / 3,3	4,8 / 2,5 / 3,3	5,6 / 2,5 / 3,3	4,8 / 2,5 / 3,3	5,6 / 2,5 / 3,3
Power demand [HP]	60					
Weight with STANDARD BOOM [kg]	1500	1560	1500	1560	1500	1560

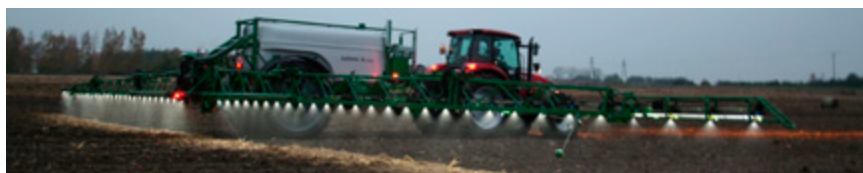
PLUS	2015	2018	2020	2021	2024	2515	2518	2520	2521	2524
Tank volume [l]	2000					2500				
Working width with STANDARD BOOM [m]	15	18	20	21	24	15	18	20	21	24
Working width with REX BOOM [m]	15	18	20	21	24	—	18	20	21	24
No of sections of boom fluid system	5				7	5				7
Boom lifting range [m]	0,5÷2,3									
Boom control	hydraulic – 2 pairs of hoses (with tractor levers) / electrohydraulic – 1 pair of hoses (from the controller in the cab)									
Wheel track [m]	1,50÷2,00									
Pump	ZETA 260									
Transport dimensions with STANDARD BOOM [m] length/width/height	5,5/2,5/3,3	6,3/2,5/3,3	5,5/2,5/3,4	5,8/2,5/3,4	5,8/2,6/3,6	5,5/2,5/3,3	6,3/2,5/3,3	5,5/2,5/3,4	5,8/2,5/3,4	5,8/2,6/3,6
Transport dimensions with REX BOOM [m] length/width/height	5,2/2,4/3,2	5,2/2,4/3,3	5,2/2,4/3,2	5,2/2,4/3,3	5,2/2,4/3,5	—	5,2/2,4/3,3	5,2/2,4/3,2	5,2/2,4/3,3	5,3/2,4/3,5
Power demand [HP]	80									
Weight with STANDARD BOOM [kg]	1950	2000	2020	2040	2090	1980	2030	2050	2070	2130
Weight with REX BOOM [kg]	2030	2100	2170	2200	2280	—	2130	2200	2230	2310

EUROPA XL

Trailed field sprayers, hydraulically unfolded and lifted booms



EUROPA XL 3024



STANDARD EQUIPMENT

- » main tank: 2500 L, 3000 L & 4000 L – Polyester
- » clean water tank for rinsing
- » clean water tank for hand washing
- » main tank spin washers
- » upper rigid drawbar with ø 40 eye
- » lateral ejector water diluter
- » ZETA 300 membrane/piston pump
- » solenoid valve electrically controlled from the cab with digital display of operating pressure
- » SYMMETRIC BOOM WITH INCLINATION – hydraulically controlled with the tractor levers (2 pairs of hoses)
- » The spatial boom construction, folding in transport position horizontally to side
- » boom with reduction to second working width: 30/20m, 28/20m, 27/21 m, or 19 m, 24/18 m
- » hydraulic boom lifting up to 2.3 with hydraulic shock absorption
- » stabilization system: pendulous with shock absorption
- » fluid system: 1/2" acid-resistant steel, nozzle sprayers in 50 cm intervals
- » 1-position heads in 50 cm intervals
- » axle with variable wheel track: 1.8÷2.25m
- » wheels 18.4 R38
- » 2-line air brake system with handbrake
- » dry indicator of fluid
- » boom section filters (not available with EDS)
- » road lighting LED

MODEL MODEL WITH STANDARD EQUIPMENT

PRICE

EUROPA XL 2518	33 600
EUROPA XL 2520	33 700
EUROPA XL 2521	33 800
EUROPA XL 2524	34 100
EUROPA XL 2527	34 400
EUROPA XL 2528	34 500
EUROPA XL 2530	35 600
EUROPA XL 3018	35 300
EUROPA XL 3020	35 400
EUROPA XL 3021	35 500
EUROPA XL 3024	35 800
EUROPA XL 3027	36 100
EUROPA XL 3028	36 200
EUROPA XL 3030	37 300
EUROPA XL 4018	36 800
EUROPA XL 4020	37 000
EUROPA XL 4021	37 100
EUROPA XL 4024	37 400
EUROPA XL 4027	37 700
EUROPA XL 4028	37 800
EUROPA XL 4030	38 900

MODEL MODEL WITH RECOMMENDED EQUIPMENT PACKAGE

PRICE

EUROPA XL 2518	44 200
EUROPA XL 2520	44 400
EUROPA XL 2521	44 500
EUROPA XL 2524	45 000
EUROPA XL 2527	45 300
EUROPA XL 2528	45 500
EUROPA XL 2530	46 600
EUROPA XL 3018	45 900
EUROPA XL 3020	46 100
EUROPA XL 3021	46 200
EUROPA XL 3024	46 700
EUROPA XL 3027	47 000
EUROPA XL 3028	47 100
EUROPA XL 3030	48 300
EUROPA XL 4018	47 400
EUROPA XL 4020	47 700
EUROPA XL 4021	47 800
EUROPA XL 4024	48 200
EUROPA XL 4027	48 600
EUROPA XL 4028	48 700
EUROPA XL 4030	49 900

RECOMMENDED FACTORY PACKAGE:

- » SPRAY computer
- » INDEPENDENT BOOM electrohydraulically controlled (from the controller in the cab) (1 pair of hoses) with spatial construction, folding in transport position horizontally to side
- » semi-automatic tracking drawbar

For optional accessories, see pages: 160–169

- » axle with pneumatic shock-absorption
- » 4-position heads with spray nozzles
- » wheels 13.6 R 48
- » mudguards

EUROPA XL



Perfect stabilisation system for every condition – rubber elements to ensure maximal shock damping.



UTS computer with GPS with Track Leader II and Section Control software allows you to take advantage of the precision agriculture. UTS computer with USB port allows transfer of data on plant treatment operations performed to a PC.



Automatic setting of the field boom height – DYSTANS CONTROL. This function enables automatic maintenance of a preset distance between the boom and the ground. Two ultrasound sensors installed at the boom ends continuously measure the actual distance between the ground and plant tops.



Compact design of sprayer enables driving on different roads. Low overpasses are not a problem. Height: 2,9 m.



Dry indicator of fluid.



All models EUROPA are equipped in standard with adjustment of fluid mixing intensity



EDS – excellent spraying precision – automatic activation and deactivation of individual nozzles via the GPS.

EUROPA XL	2518	2520	2521	2524	2527	2528	2530	3018	3020	3021
Tank volume [l]	2500							3000		
Working width [m]	18	20	21	24	27	28	30	18	20	21
No of sections of boom fluid system	5			7				5		
Boom lifting range [m]	0,5÷2,3									
Boom control	hydraulic – 2 pairs of hoses (with tractor levers) / electrohydraulic – 1 pair of hoses (from the controller in the cab)									
Wheel track [m]	1,8÷2,25									
Pump	ZETA 300									
Transport dimensions [m] length/width/height	6,3 / 2,8 / 2,9	6,3 / 2,8 / 2,9	6,3 / 2,8 / 2,9	6,5 / 2,8 / 2,9	6,8 / 2,8 / 2,9	7,2 / 2,8 / 2,9	7,2 / 2,8 / 2,9	6,3 / 2,8 / 2,9	6,3 / 2,8 / 2,9	6,3 / 2,8 / 2,9
Power demand [HP]	80									
Weight [kg]	2920	2970	2990	3090	3190	3210	3230	2950	3000	3020

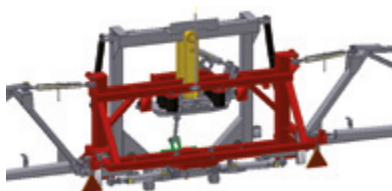
EUROPA XL	3024	3027	3028	3030	4018	4020	4021	4024	4027	4028	4030
Tank volume [l]	3000				4000						
Working width [m]	24	27	28	30	18	20	21	24	27	28	30
No of sections of boom fluid system	7				5			7			
Boom lifting range [m]	0,5÷2,3										
Boom control	hydraulic – 2 pairs of hoses (with tractor levers) / electrohydraulic – 1 pair of hoses (from the controller in the cab)										
Wheel track [m]	1,8÷2,25										
Pump	ZETA 300										
Transport dimensions [m] length/width/height	6,5 / 2,8 / 2,9	6,8 / 2,8 / 2,9	7,2 / 2,8 / 2,9	7,2 / 2,8 / 2,9	6,8 / 2,8 / 2,9	6,8 / 2,8 / 2,9	6,8 / 2,8 / 2,9	7,1 / 2,8 / 2,9	7,2 / 2,8 / 2,9	7,2 / 2,8 / 2,9	7,2 / 2,8 / 2,9
Power demand [HP]	80				90						
Weight [kg]	3120	3220	3240	3360	3010	3060	3080	3180	3380	3400	3520

EUROPA

Trailed field sprayers, hydraulically unfolded and lifted booms



EUROPA 3024



Perfect stabilisation system for every condition – rubber elements ensure maximal shock damping.

STANDARD EQUIPMENT

- » main tank: 2500 L, 3000 L & 4000 L – Polyester
- » clean water tank for rinsing
- » clean water tank for hand washing
- » main tank spin washers
- » upper rigid drawbar with ø 40 eye
- » lateral ejector water diluter
- » ZETA 300 membrane/piston pump
- » solenoid valve electrically controlled from the cab with digital display of operating pressure
- » SYMMETRIC BOOM WITH INCLINATION – hydraulically controlled with the tractor levers (2 pairs of hoses)
- » boom with plate construction folding in transport condition diagonally to side
- » hydraulic boom lifting up to 2.3 with hydraulic shock absorption
- » stabilization system: pendulous with shock absorption
- » fluid system: 1/2" acid-resistant steel, nozzle sprayers in 50 cm intervals
- » 1-position heads in 50 cm intervals
- » axle with variable wheel track: 1.8÷2.25m
- » wheels 18.4 R38
- » 2-line air brake system with handbrake
- » dry indicator of fluid
- » boom section filters (not available with EDS)
- » road lighting LED

MODEL MODEL WITH STANDARD EQUIPMENT

PRICE

EUROPA 2518	31 000
EUROPA 2520	31 100
EUROPA 2521	31 200
EUROPA 2524	31 600
EUROPA 2527	31 800
EUROPA 2528	31 900
EUROPA 3018	32 600
EUROPA 3020	32 800
EUROPA 3021	32 900
EUROPA 3024	33 200
EUROPA 3027	33 500
EUROPA 3028	33 600
EUROPA 4018	34 100
EUROPA 4020	34 300
EUROPA 4021	34 400
EUROPA 4024	34 700
EUROPA 4027	35 000
EUROPA 4028	35 100

MODEL MODEL WITH RECOMMENDED EQUIPMENT PACKAGE

PRICE

EUROPA 2518	41 600
EUROPA 2520	41 800
EUROPA 2521	41 900
EUROPA 2524	42 400
EUROPA 2527	42 700
EUROPA 2528	42 900
EUROPA 3018	43 200
EUROPA 3020	43 400
EUROPA 3021	43 600
EUROPA 3024	44 000
EUROPA 3027	44 400
EUROPA 3028	44 500
EUROPA 4018	44 700
EUROPA 4020	45 000
EUROPA 4021	45 100
EUROPA 4024	45 600
EUROPA 4027	45 900
EUROPA 4028	46 000

RECOMMENDED FACTORY PACKAGE:

- » SPRAY computer
- » INDEPENDENT BOOM electrohydraulically controlled (from the controller in the cab) (1 pair of hoses) with plate construction, folding in transport position diagonal to side
- » semi-automatic tracking drawbar

- » axle with pneumatic shock-absorption
- » 4-position heads with spray nozzles
- » wheels 13.6 R 48
- » mudguards

For optional accessories, see pages: 160–169



boom with plate construction, diagonal folding to side



UTS computer with GPS with Track Leader II and Section Control software allows you to take advantage of the precision agriculture.



Pendulous boom suspension system ensures good stabilization and quadrilateral lifting system allows lifting the boom up to 2.3 m.



R-SYSTEM, boom working width reduction system: from 28/21 m, 27/21 m, 24/18 m, 21/15 m and 18/12 m. Section of boom is being folded vertically.



Automatic tracking drawbar facilitates driving in the tractor wheel tracks.



Axle with air shock absorbers improves comfort and prolongs the life of the sprayer.

EUROPA	2518	2520	2521	2524	2527	2528	3018	3020	3021
Tank volume [l]	2500						3000		
Working width [m]	18	20	21	24	27	28	18	20	21
No of sections of boom fluid system	5			7			5		
Boom lifting range [m]	0,5÷2,3								
Boom control	hydraulic – 2 pairs of hoses (with tractor levers) / electrohydraulic – 1 pair of hoses (from the controller in the cab)								
Wheel track [m]	1,8÷2,25								
Pump	ZETA 300								
Transport dimensions [m] length/width/height	6,3 / 2,7 / 3,2	6,3 / 2,7 / 3,2	6,3 / 2,7 / 3,4	6,5 / 2,7 / 3,6	6,8 / 2,7 / 3,9	7,2 / 2,7 / 3,9	6,3 / 2,7 / 3,2	6,3 / 2,7 / 3,2	6,3 / 2,7 / 3,4
Power demand [HP]	80								
Weight [kg]	2920	2970	2990	3090	3190	3210	2950	3000	3020

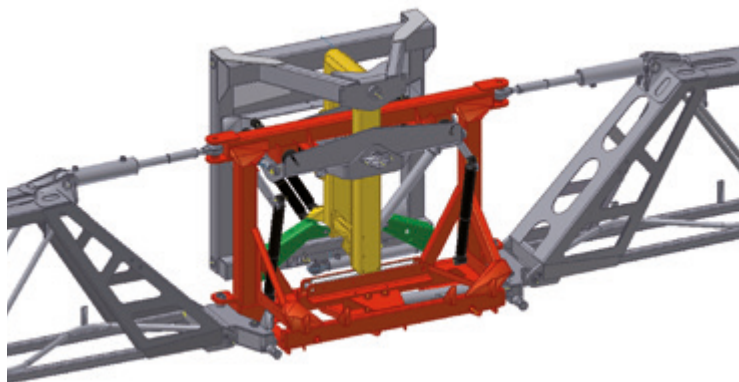
EUROPA	3024	3027	3028	4018	4020	4021	4024	4027	4028
Tank volume [l]	3000			4000					
Working width [m]	24	27	28	18	20	21	24	27	28
No of sections of boom fluid system	7			5			7		
Boom lifting range [m]	0,5÷2,3								
Boom control	hydraulic – 2 pairs of hoses (with tractor levers) / electrohydraulic – 1 pair of hoses (from the controller in the cab)								
Wheel track [m]	1,8÷2,25								
Pump	ZETA 300								
Transport dimensions [m] length/width/height	6,5 / 2,7 / 3,6	6,8 / 2,7 / 3,9	7,2 / 2,7 / 3,9	6,8 / 2,7 / 3,2	6,8 / 2,7 / 3,2	6,8 / 2,7 / 3,4	7,1 / 2,7 / 3,6	7,3 / 2,7 / 3,9	7,8 / 2,7 / 3,9
Power demand [HP]	80			90					
Weight [kg]	3120	3220	3240	3010	3060	3080	3180	3380	3400

EUROPA PREMIUM

Trailed field sprayers, hydraulically unfolded and lifted booms



EUROPA premium 4024



Complex pendulous boom stabilisation system with additional shock absorption in horizontal and vertical plane – supported with shock absorbers.

STANDARD EQUIPMENT

- » main tank: 4200 L & 5800 L – Polyester
- » clean water tank for rinsing
- » clean water tank for hand washing
- » main tank spin washers
- » Spring-loaded drawbar
- » – upper: ø40 for 4200 L
- » – lower: ø50 for 5800 L
- » lateral ejector water diluter
- » RO 400 membrane/piston pump
- » solenoid valve electrically controlled from the cab with digital display of operating pressure
- » beam section filters – not available with EDS
- » SYMMETRIC BOOM WITH INCLINATION – electrohydraulically controlled from the controller in the tractor cabin (1 pair of hoses)
- » boom with spatial construction, folding in transport position vertically to side
- » mudguards
- » axle with pneumatic shock-absorption
- » road lighting LED
- » hydraulic boom lifting up to 2.5 with hydraulic shock absorption
- » pendulous stabilization system with shock absorption
- » fluid system: 1/2" acid-resistant steel, nozzle sprayers in 50 cm intervals
- » 1-position heads in 50 cm intervals
- » axle with variable wheel track: 1.8÷2.25m for 4000 L
- » rigid axle with 2m wheel track for 6000 L
- » wheels: 18.4 R 38 for 4000 L and 580/70 R38 for 6000 L
- » 2-line air brake system with handbrake
- » dry indicator of fluid

MODEL	PRICE
MODEL WITH STANDARD EQUIPMENT	
EUROPA PREMIUM 4024	53 700
EUROPA PREMIUM 4027	54 100
EUROPA PREMIUM 4028	54 200
EUROPA PREMIUM 4030	54 800
EUROPA PREMIUM 4036	56 700
EUROPA PREMIUM 6024	60 000
EUROPA PREMIUM 6027	60 400
EUROPA PREMIUM 6028	60 500
EUROPA PREMIUM 6030	61 200
EUROPA PREMIUM 6036	63 100

MODEL	PRICE
MODEL WITH RECOMMENDED EQUIPMENT PACKAGE	
EUROPA PREMIUM 4024	68 500
EUROPA PREMIUM 4027	69 000
EUROPA PREMIUM 4028	69 200
EUROPA PREMIUM 4030	69 900
EUROPA PREMIUM 4036	72 000
EUROPA PREMIUM 6024	74 900
EUROPA PREMIUM 6027	75 300
EUROPA PREMIUM 6028	75 500
EUROPA PREMIUM 6030	76 200
EUROPA PREMIUM 6036	78 400

For optional accessories, see pages: 160–169

* RECOMMENDED FACTORY PACKAGE:

- » UTS computer
- » 4-position heads with spray nozzles
- » DYSTANS Control
- » turnable axle



Computer TOUCH 800 (touch panel) running on ISOBUS connected with GPS for precise, automatic control of spray parameters using the benefits of precision farming.



Max transport width of the entire sprayer is 2.8 m due to its compact design.



Parallelogram suspension of the boom with two hydraulic cylinders and hydraulic shock absorption eliminates boom rocking and allows its raising up to 2.5 m.



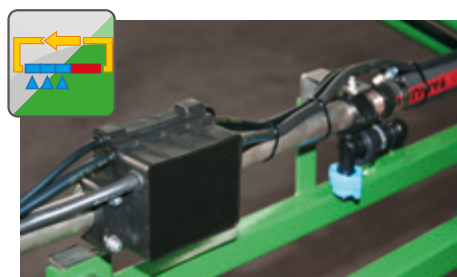
External sprayer washer equipped in drum automatically wind up hose length 20 ldm and lance with jet regulation of liquid in grip



The spatial boom design ensures very high rigidity of its structure protection of heads and spray nozzles.



The TURNABLE AXLE controlled in auto mode ensures precise driving of the machine in the tractor tracks and air suspension perfectly dampens vibrations from the ground.



EDS – excellent spraying precision – automatic activation and deactivation of individual nozzles via the GPS. EDS, through liquid recirculation, ensures quick pressurizing the system to the operating pressure along the entire length of the boom.



Two pump units with a total capacity of 520 L/min provide power to the liquid system (optional for 6000 L version.)



Lateral clean water tanks (2x300 L) for flushing the main tank ensure symmetric loading of the sprayer frame.

EUROPA premium	4024	4027	4028	4036	6024	6027	6028	6036
Tank volume [l]	4200				5800			
Working width [m]	24	27	28	36	24	27	28	36
No of sections of boom fluid system	7							
Boom lifting range [m]	0,5÷2,5							
Boom control	electrohydraulic – 1 pair of hoses (from the controller in the cab)							
Wheel track [m]	1,8÷2,25				2,0 or 2,25			
Pump	RO 400							
Transport dimensions [m] length/width/height	7,4 / 2,6 / 3,2	7,4 / 2,6 / 3,2	7,4 / 2,6 / 3,2	7,4 / 2,8 / 3,2	7,4 / 2,6 / 3,2	7,4 / 2,6 / 3,2	7,4 / 2,6 / 3,2	7,4 / 2,8 / 3,2
Power demand [HP]	120				150			
Weight [kg]	4210	4250	4260	4280	4310	4350	4360	4480

TOP

Front tank



TOP 1200 H LUX

MODEL

MODEL WITH STANDARD EQUIPMENT

PRICE

TOP 1200 EREX (REQUIRES REX SPRAYER WITH THE SOLENOID VALVE OPTION)	2 900
TOP 1200 HREX (REQUIRES REX SPRAYER WITH THE SOLENOID VALVE OPTION)	4 500
TOP 1200 ELUX (REQUIRES LUX 800/1000 SPRAYER WITH THE SOLENOID VALVE OPTION)	2 900
TOP 1200 HLUX (REQUIRES LUX 800/1000 SPRAYER WITH THE SOLENOID VALVE OPTION)	4 500
TOP 1200 H (WITHOUT THE ABILITY TO CONNECT TO SPRAYER)	3 300



TOP 1200 HREX, HLUX version with a solenoid valve and pump makes it possible to pump the liquid from the front to the back while spraying (as the rear tank is getting empty) without the need to stop the tractor.

STANDARD EQUIPMENT

TOP 1200 HREX, 1200 HLUX – version with a solenoid valve and hydraulic engine-driven pump:

- » 3-section tank, polyethylene
 - main tank 1350 l for spraying working liquid
 - tank 125 l for water for rinsing
 - tank 25 l for hand washing water
- » the spraying liquid **can be** prepared directly in the front tank (in sieve) or it can be pumped from the rear sprayer by means of the rear pump.
- » hydraulic mixer with two rotary washers of the main tank and diluter in the inlet sieve
- » max. 85 l/min efficiency pump driven by the engine powered by the tractor's hydraulic system
- » solenoid valve for pumping the liquid to the sprayer
- » suction filter
- » spin washers
- » set of transport wheels to transport the empty front tank on paved surface
- » two front position lamps with turn indicators (without road lights)

TOP 1200 EREX, 1200 ELUX – version with an electric engine-driven pump:

- » 2-section tank, polyethylene
 - main tank 1350 l for spray liquid
 - tank 25 l for hand washing water
- » the spraying liquid **should be** prepared in the rear sprayer tank and pumped to the front tank by means of the rear pump. When the rear tank gets empty, the tractor *has to be stopped and the liquid has to be poured from the front to the back using the suction of the rear pump
- » mixing device
- » max. 19 l/min efficiency pump driven by 12 V constant power electric engine, powers only the hydraulic mixer
- » suction filter
- » set of transport wheels to transport the empty front tank on paved surface
- » two front position lamps with turn indicators (without road lights)

TOP 1200 H version with hydraulic engine-driven pump:

- » 2-section tank, polyethylene
 - main tank 1350 l for spray liquid
 - tank 125 l for water for rinsing
- » Front tank used to transport water, fertilizers and ammonium nitrate – urea RSM intended to work in agriculture, horticulture, fruit.
- » max. 85 l/min efficiency pump driven by the engine powered by the tractor's hydraulic system makes possible to pump fluid from the reservoir (pumping hose 7 m)
- » suction filter
- » set of transport wheels to transport the empty front tank on paved surface
- » two front position lamps with turn indicators (without road lights)

TOP	1200 EREX	1200 ELUX	1200 HREX	1200 HLUX	1200 H
Tank volume [l]	1350		1350		1350
Steering	electric – 3-pin feeding socket, 12 V		hydraulic – 1 pair of hoses		hydraulic – 1 pair of hoses
Pump	19 l/min		ZETA 85		ZETA 85
Transport dimensions [m] length / width / height	1,8 / 2,1 / 1,3		1,8 / 2,1 / 1,4		1,8 / 2,1 / 1,3
Weight [kg]	285		320		300

QUANTITY OF HEADS IN SPRAYERS FLUID-SECTIONS



ploughs

cultivation

seeding
equipment

combination
seed drills

disc, rotary
& tillage mowers

rakes & tedders

bale wrappers
combination

bale
wrappers

mineral
fertilization

manure
fertilization

potato
technology

transport

PROTECTION

storage

QUANTITY OF HEADS IN FLUID-SECTIONS OF THE SPRAYERS BEAMS

TYPE	WORKING WIDTH				
	12	15	16	18	20
EKO	5-4-6-4-5	6-6-6-6-6	—	7-8-6-8-7	—
LUX	5-5-4-5-5	6-6-6-6-6	—	—	—
REX	—	6-6-6-6-6	5-7-8-7-5	7-7-8-7-7	8-8-8-8-8
REX + 2 SECTIONS	—	4-5-4-4-4-5-4	5-5-4-4-4-5-5	5-6-5-4-5-6-5	6-5-6-6-6-5-6
PLUS STANDARD BEAM	—	4-7-8-7-4	—	6-8-8-8-6	8-8-8-8-8
PLUS + 2 SECTIONS	—	4-5-4-4-4-5-4	—	6-5-5-4-5-5-6	6-6-5-6-5-6-6
PLUS REX BEAM	—	6-6-6-6-6	5-7-8-7-5	7-7-8-7-7	8-8-8-8-8
REX + 2 SECTIONS	—	4-5-4-4-4-5-4	5-5-4-4-4-5-5	5-6-5-4-5-6-5	6-5-6-6-6-5-6
EUROPA	—	—	—	6-8-8-8-6	8-8-8-8-8
EUROPA + R-SYSTEM	—	—	—	6-8-8-8-6	—
EUROPA + R-SYSTEM + 2 SECTIONS	—	—	—	6-5-5-4-5-5-6	—
EUROPA XL	—	—	—	6-8-8-8-6	8-8-8-8-8
EUROPA XL + 2 SECTIONS	—	—	—	6-5-5-4-5-5-6	6-6-5-6-5-6-6
EUROPA PREMIUM	—	—	—	—	—
EUROPA PREMIUM + 2 SECTIONS	—	—	—	—	—

TYPE	WORKING WIDTH				
	21	24	27	28	30
EKO	—	—	—	—	—
LUX	—	—	—	—	—
REX	9-8-8-8-9	5-8-7-8-7-8-5	—	—	—
REX + 2 SECTIONS	6-6-6-6-6-6-6	5-6-5-6-4-6-5-6-5	—	—	—
PLUS STANDARD BEAM	8-9-8-9-8	7-7-6-8-6-7-7	—	—	—
PLUS + 2 SECTIONS	6-6-6-6-6-6-6	6-5-5-5-6-5-5-5-6	—	—	—
PLUS BELKA REX	9-8-8-8-9	5-8-7-8-7-8-5	—	—	—
REX + 2 SECTIONS	6-6-6-6-6-6-6	5-6-5-6-4-6-5-6-5	—	—	—
EUROPA	8-9-8-9-8	7-7-6-8-6-7-7	6-8-9-8-9-8-6	7-8-9-8-9-8-7	—
EUROPA + R-SYSTEM	6-10-10-10-6	6-6-8-8-8-6-6	6-8-9-8-9-8-6	7-8-9-8-9-8-7	—
EUROPA + R-SYSTEM + 2 SECTIONS	6-6-6-6-6-6-6	6-5-5-5-6-5-5-5-6	6-6-6-6-6-6-6-6-6	7-6-6-6-6-6-6-6-7	—
EUROPA XL	8-9-8-9-8	6-8-6-8-6-8-6	8-9-6-8-6-9-8 (27/19 m) 6-9-8-8-8-9-6 (27/21 m)	8-8-8-8-8-8-8	10-8-8-8-8-8-10
EUROPA XL + 2 SECTIONS	6-6-6-6-6-6-6	6-5-5-5-6-5-5-5-6	8-6-5-5-6-5-5-6-8 (27/19 m) 6-6-6-6-6-6-6-6-6 (27/21 m)	8-6-6-5-6-5-6-6-8	6-6-8-6-8-6-8-6-6
EUROPA PREMIUM	—	5-7-8-8-8-7-5	8-7-8-8-8-7-8	9-7-8-8-8-7-9	8-9-9-8-9-9-8
EUROPA PREMIUM + 2 SECTIONS	—	5-5-5-6-6-6-5-5-5	6-6-6-6-6-6-6-6-6	6-6-6-6-8-6-6-6-6	8-6-6-6-8-6-6-6-8

OPTIONAL EQUIPMENT

ADDITIONAL EQUIPMENT THAT WE ADD TO THE BASIC VERSION

TYPE OF SPRAYING MACHINE	EKO MOUNTED	LUX MOUNTED	REX MOUNTED	PLUS TRAILED	EUROPA / EUROPA XL TRAILED	EUROPA PREMIUM TRAILED
ACCESSORIES — FLUID SYSTEM OPTIONS						
2-chamber tank (600 L)	– 130	—	—	—	—	—
2-chamber tank (800 L)	– 610	—	—	—	—	—
Main tank spin washer (only in 3-chamber tank)	80	80	80	+	+	+
ZETA 140 pump	190 FOR 600 L, 800 L	—	—	—	—	—
Block pumps, 2× ZETA 260 (520 l/min) need lower drawbar	—	—	—	—	—	1 210
ZTS manual control valve (constant pressure) on the jib	280	280	280	+	—	—
Rope control unit for ZTS valve	140	140	140	+	—	—
SOLENOID VALVE with pressure reading on pressure gauge (for booms up to 21 m – 5 SECTIONS)	2 160 ONLY FOR 600 L, 800 L, 1000 L, 3-CHAMBER	2 160 ONLY FOR 600 L, 800 L, 1000 L	2 160	2 160	+	—
SOLENOID VALVE with pressure reading on pressure gauge (for booms from 24 m – 7 SECTIONS)	—	—	2 840	2 840	+	+
Electronic display of operating pressure on control panel in the cab (requires solenoid valve)	310	310	310	310	+	+
Extension of the following fluid systems with 2 extra sections: 5/7 or 7/9 computer SPRAY, UTS, TOUCH	—	—	—	720 ONLY SPRAY COMP.	720	720
Lateral ejector water DILUTER	660 FOR 800 L, 1000 L, 3-CHAMBER	660 FOR 800 L, 1000 L	660	660	+	+
Nozzle marginal narrow electrically controlled – requires UTS computers	—	—	—	—	AVAILABLE FROM THE III QUARTER 2017	AVAILABLE FROM THE III QUARTER 2017
COMPUTER OPTIONS						
SPRAY computer (requires solenoid valve)	2 190 ONLY FOR 600 L, 800 L 1000 L, 3-CHAMBER	2 190 ONLY FOR 600 L, 800 L 1000 L	2 190	2 190	2 190	2 190
Cable for speed readout, 7/3 or 4/3 pin, tractor/SPRAY computer	170	170	170	—	—	—
NAVI — GPS w. SECTION CONTROL function and TRACK LEADER II (parallel driving), requires SPRAY computer	—	6 550	6 550	6 550	6 550	6 550
UTS computer (requires INDEPENDENT BOOM), display 6"	—	—	—	—	7 500	7 500
UTS KOMFORT computer (requires INDEPENDENT BOOM), display 10,5"	—	—	—	—	10 860	10 860
Touch 800, joystick (requires INDEPENDENT BOOM), display 8"	—	—	—	—	8 870	8 870
GPS with SECTION CONTROL and TRACK LEADER II functions (parallel driving) for UTS, UTS KOMFORT and TOUCH computers	—	—	—	—	4 080	4 080
LIGHTBAR – driving direction indicator (requires GPS w. TRACK LEADER II and UTS or UTS KOMFORT and TOUCH computers)	—	—	—	—	820	820
S-BOX – control panel for individual and quick control of any spraying sections (requires UTS, UTS KOMFORT and TOUCH computers)	—	—	—	—	400	400
Holder with suction cup for mounting of controller/computer	130	130	130	130	130	130

OPTIONAL EQUIPMENT



TYPE OF SPRAYING MACHINE	EKO MOUNTED	LUX MOUNTED	REX MOUNTED	PLUS TRAILED	EUROPA / EUROPA XL TRAILED	EUROPA PREMIUM TRAILED
FIELD BOOM OPTIONS						
Hydraulic boom inclination	—	350	+	+	+	+
Hydraulic boom lifting	290 FOR 12/15 M, WITH 3-CHAMBER TANK	+	+	+	+	+
Boom with fluid system, made of acid-resistant piping with 1-position heads	230 FOR 12 M; 420 FOR 15 M	+	+	+	+	+
ELECTROHYDRAULIC INDEPENDENT BOOM (1 pair of hoses). For EUROPA premium – symmetrically unfolded with tilting cylinder, for LUX – independent boom with inclination	—	1 410	1 470	1 470	1 470	+
DISTANCE CONTROL (requires UTS, UTS KOMFORT or TOUCH computers)	—	—	—	—	1760	1760
R-SYSTEM (operating width reduction by partial folding of 28/21 m, 27/21 m, 24/18 m, 21/15 m and 18/12 m booms – requires UTS, UTS KOMFORT, TOUCH computers). (EUROPA XL as standard: 30/20, 28/20, 27/19 or 21-for choose, 24/18)	—	—	—	—	1860 NOT APPLICABLE EUROPA XL	—
Boom section filters (for booms up to 21 m – 5 sections)	—	90	90	+	+ (EXCLUDED BY EDS)	—
Boom section filters (for booms from 24 m – 7 sections)	—	—	130	+	+ (EXCLUDED BY EDS)	+ (EXCLUDED BY EDS)
DRAWBAR OPTIONS						
RIGID DRAWBAR for the Lower hitch, with fi 50 eye (for PLUS 2000 and 2500, EUROPA premium 4000)	—	—	—	– 320	—	– 320
SEMI-AUTOMATIC, tracking drawbar, requires SPRAY computer and independent boom	—	—	—	1 890 FOR 2000 L & 2500 L	1 890	—
AUTOMATIC TRACKING DRAWBAR, requires UTS, UTS KOMFORT or TOUCH computers and independent boom	—	—	—	—	3 230	—
STEERABLE DRAWBAR with hitch rings (only PLUS 1200, 1500 & 1600)	—	—	—	– 320	—	—
Ball hitch, Ø80	—	—	—	—	270	270
Quick hitch coupler	—	—	670	—	—	—
OPTIONAL AXLES						
AXLE PNEUMATIC SHOCK ABSORPTION (dual-circuit system)	—	—	—	—	3 460	+
AXLE MECHANICAL SHOCK ABSORPTION (only PLUS 2000 and 2500)	—	—	—	1 140	—	—
STEERABLE AXLE (requires UTS or UTS KOMFORT computers), wheel track 2 m or 2.25 m for 4000 L; wheels 18.4 R 38); wheel track 2.25 m for 4000 & 6000 L; (wheels 580/70 R 38); wheel track 2 m or 2.25 m for 4000 & 6000 L; (wheels 14.9R 46)	—	—	—	—	—	4 790
RIGID AXLE, wheel track 2.25 m for EUROPA premium 6000)	—	—	—	—	—	20
hydraulic brakes	—	—	—	—	– 60	—
hydraulic and pneumatic brakes	—	—	—	—	380	—

ploughs

cultivation

seeding equipment

combination seed drills

disc, rotary & flail mowers

rakes & tedders

balers/wrappers combination

bale wrappers

mineral fertilization

manure fertilization

potato technology

transport

PROTECTION

storage

OPTIONAL EQUIPMENT

TYPE OF SPRAYING MACHINE	EKO MOUNTED	LUX MOUNTED	REX MOUNTED	PLUS TRAILED	EUROPA / EUROPA XL TRAILED	EUROPA PREMIUM TRAILED
Wheels 11.2X42 (for PLUS 2000/2500)	—	—	—	290	—	—
Wheels 11.2 R 48 (for EUROPA, EUROPA XL 2500/3000)	—	—	—	—	50	—
Wheels 11.2 R 54 (for EUROPA, EUROPA XL 2 500/3 000/4000)	—	—	—	—	1 110	—
Wheels 13.6 R 48 (for EUROPA, EUROPA XL 2500/3000/4000)	—	—	—	—	360	—
Wheels 14.9 R 46 (for EUROPA premium 4000)	—	—	—	—	—	2 480
Wheels 14.9 R 46 (for EUROPA premium 6000)	—	—	—	—	—	360
Wheels 16,9 R 38(for EUROPA, EUROPA XL, EUROPA premium)	—	—	—	—	950	950 FOR 4200 L 620 FOR 5800 L
Wheels 580/70 R 38 (for EUROPA premium 6000)	—	—	—	—	—	6 600
Mudguards/fenders	—	—	—	350 FOR 1200–1 600 L; 640 FOR 2000 L, 2500 L	640	+

EDS for EUROPA, EUROPA XL and EUROPA PREMIUM sprayers

FIELD BOOM WIDTH	18 M	20 M	21 M	24 M	27 M	28 M	30 M	36 M
EDS — AUTOMATIC SHUTTING-OFF EACH NOZZLE BY GPS WITH LIQUID CIRCULATION ON THE FIELD BOOM (REQUIRES UTS OR UTS KOMFORT COMPUTERS AND GPS WITH SECTION CONTROL AND TRACK LEADER II FUNCTIONS)								
EUROPA / EUROPA XL trailed	7 990	8 480	9 680	9 980	11 440	11 570	12 390	—
EUROPA PREMIUM trailed	—	—	—	9 980	11 440	11 570	12 390	14 730

ADDITIONAL EQUIPMENT THAT WE ADD TO THE BASIC VERSION

TYPE OF SPRAYING MACHINE	EKO MOUNTED	LUX MOUNTED	REX MOUNTED	PLUS TRAILED	EUROPA / EUROPA XL TRAILED	EUROPA PREMIUM TRAILED
Foam marker + concentrate 5 L	740	740	740	740	740	740
Road lighting LED	190	190	190	190	+	+
Night lighting (halogen)	—	—	260	260	260	260
PTO shafts: shaft 250 Nm, L. nom. 510-790 – EKO / LUX / REX / PLUS 1600 – turnable drawbar shaft 270 Nm, L. 719-1060 – PLUS 1600 – upper rigid drawbar, EUROPA, EUROPA XL shaft 270 Nm, L. 1010-1560 – EUROPA premium	100	100	100	400 WIDEANGLE; 100 FOR STEERABLE DRAWBAR (PLUS 1200/1500/1600)	400 WIDEANGLE	400 WIDEANGLE
6 m hose for tank filling	110	110	110	110	110	110
Hydrant connection for filling	—	190 FOR 800, 1000 L	190	190	190	190
Hydrant connection for filling w. fluid measurement, requires UTS, UTS Komfort and TOUCH computers	—	—	—	—	1 140	1 140
Rolling wheels for sprayer transport	170 FOR 800, 1000 L 3-CHAMBER	170 FOR 800, 1000 L	170	—	—	—
Cleaner outside sprayer (EKO – only with 3-chamber tank)	230	230	230	480	480	480

OPTIONAL EQUIPMENT



Protection kit, 1 set	80	80	80	80	80	80
Oil for membrane pumps – 1 L	10	10	10	10	10	10

(—) not available, (+) standard equipment

NIGHT LIGHTING LED (FIELD BOOM AND SIDE DILUTER)

BOOM WORKING WIDTH (m)	15 m	18 m	20 m	21 m	24 m	27 m	28 m	30 m	36 m
PLUS trailed (BOOM STANDARD)	1 890	2 250	2 510	2 610	2 900	—	—	—	—
EUROPA trailed	—	2 190	2 420	2 550	2 870	3 430	3 520	—	—
EUROPA trailed with R-system	—	2 190	—	2 580	2 970	3 460	3 560	—	—
EUROPA XL trailed	—	2 060	2 250	2 380	2 710	3 230	3 330	3 490	—
EUROPA premium trailed	—	—	—	—	3 100	3 430	3 520	3 750	4 470

HEADS (FOR ALL TYPES OF SPRAYERS) THAT WE ADD TO THE BASIC VERSION

MULTI-POSITION HEAD	TYPE OF SPRAYING MACHINE	BOOM WIDTH									
		12 m	15 m	18 m	20 m	21 m	24 m	27 m	28 m	30 m EUROPA XL, EUROPA PREMIUM	36 m
3-position heads with spray nozzles (for boom with pipes)	EKO with boom on pipes LUX, REX, PLUS	320	400	480	540	560	640	—	—	—	—
4-position heads with spray nozzles (for boom with pipes)	PLUS with boom STANDARD, EUROPA, EUROPA XL, EUROPA premium	—	540	640	690	720	840	930	970	1 010	1 240
4-position heads with spray nozzles (for boom with PVC hoses)	EKO with boom w. PVC hoses	280	350	410	—	—	—	—	—	—	—

Net prices in EURO / 1 set of heads with nozzles for beam

SPRAY NOZZLES – FOR ALL TYPES OF SPRAYERS

TYPE OF SPRAYING MACHINE	BOOM WIDTH									
	12 m	15 m	18 m	20 m	21 m	24 m	27 m	28 m	30 m	36 m
Lu 120-0,3 C	130	160	190	210	220	260	290	300	330	380
Lu 120-0,4 C	130	160	190	210	220	260	290	300	330	380
Lu 120-0,5 C	130	160	190	210	220	260	290	300	330	380
ID 120-0,3 C (except EKO with boom w. PVC hoses)	280	350	420	460	480	550	620	640	690	830
ID 120-0,4 C (except EKO with boom w. PVC hoses)	280	350	420	460	480	550	620	640	690	830
IDK 120-0,3 C	250	310	370	410	430	490	550	570	610	730
IDKT 0,3 C	380	470	560	630	660	750	850	870	940	1 120
IDKT 0,4 C	380	470	560	630	660	750	850	870	940	1 120
FD 0,4 (except EKO with boom w. PVC hoses)	280	350	420	460	490	550	620	640	690	830
FD 0,5 (except EKO with boom w. PVC hoses)	280	350	420	460	490	550	620	640	690	830

Net prices in EURO / 1 set of spray nozzles

Lu – general purpose flat stream slot nozzle
ID – flat stream ejector nozzle
IDK – compact flat stream ejector nozzle
IDKT – compact double-stream ejector nozzle

FD – fan-shaped nozzle for RSM
C – ceramic nozzle
120 – fluid stream angle
0,3, 0,4, 0,5 – nozzle size

Computers



ISOBUS

Requires fluid system solenoid valve and boom electrohydraulic system.

Application: EUROPA, EUROPA XL, EUROPA premium

COMPUTER TOUCH 800 (touchscreen 8")

Modern and universal system of information exchange between tractor and aggregated machine, operating within ISOBUS standards – is used for steering of many machines with the help of one computer.

Basic features:

- » automatic maintaining of the spraying dose regardless of the driving speed
- » ISOBUS
- » colour display
- » control of the boom hydraulic functions
- » indication of operating pressure
- » indication of driving speed
- » indication of the fluid consumed
- » indication of sprayed area [ha]
- » indication of the fluid volume remaining in the tank
- » USB port
- » joystick



ISOBUS

Requires fluid system solenoid valve and boom electrohydraulic system.

Application: EUROPA, EUROPA XL, EUROPA premium

COMPUTER UTS (screen 6"), AND UTS KOMFORT (screen 10,5")

Modern and universal system of information exchange between tractor and aggregated machine, operating within ISOBUS standards – is used for steering of many machines with the help of one computer.

Basic features:

- » automatic maintaining of the spraying dose regardless of the driving speed
- » ISOBUS
- » colour display
- » control of the boom hydraulic system functions
- » indication of operating pressure
- » indication of driving speed
- » indication of the fluid consumed
- » indication of sprayed area [ha]
- » indication of the fluid volume remaining in the tank
- » USB port
- » joystick



JOYSTICK

Comfortable tool for efficient steering of all important functions of the sprayer. Works together with computers TOUCH 800, UTS and UTS KOMFORT.

Basic functions:

- » controll of connectiong sections
- » controll of dose chang
- » controll of lifting and lean out of boom
- » controll of setting trunable axle
- » controll of automatic driving boom under cultivation

Application: EUROPA, EUROPA XL EUROPE premium including a computer TOUCH 800 or UTS as standard equipment.



Additional features (in UTS, UTS Komfort, TOUCH 800):



AUTO TRACKING
DRAWBAR

auto tracking
of tractor tracks



TURNABLE
AXLE



DYSTANS
CONTROL

auto lifting and tilting
of the field boom



R SYSTEM

reduction of the boom
working width



TRACK LEADER II

parallel and contour driving on
the basis of the GPS signal



SECTION CONTROL

auto activation of spraying
sections via the GPS



EDS

auto activation of individual spraying nozzles
via the GPS fluid recirculation in the boom



SPRAY COMPUTER

Basic features:

- » automatic maintaining of the spraying dose independent on the driving speed
- » monochromatic display
- » activation of spraying sections
- » indication of operating pressure
- » indication of driving speed
- » indication of the fluid consumed
- » indication of sprayed area [ha]
- » control of the boom hydraulic system functions
- » foam marker controller

Requires solenoid valve and boom electrohydraulic system

Application: LUX, REX, PLUS, EUROPA, EUROPA XL,
EUROPA premium, EKO – 3-chamber tank



NAVI GPS

Additional features:

- » automatically steering of fluid system section with percentage degree of inflection (0%, 50%, 100%)
- » parallel drive (also in contour course)
- » creating of contour maps of fields
- » possibility of saving the data: contour of field, drive paths, sprayed surface, obstructions (pole/pylon), reference point to increase the precision
- » USB port
- » possibility to make use of parallel drive also for other machines (e.g. spreaders)

Requires SPRAY computer

Application: LUX, REX, PLUS, EUROPA, EUROPA XL,
EUROPA premium

Spraying control valves and controllers



ZSF MANUAL VALVE

Manual valve for mounted sprayers, for control of the main valve, sections and manual setting of operating pressure.

Application:

EKO, LUX, REX



ZTS VALVE ON JIB



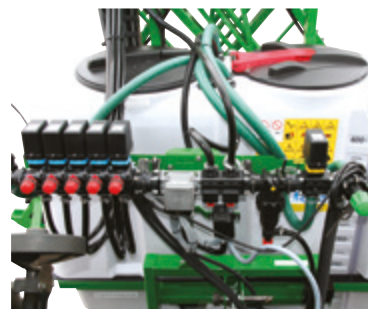
ZTS, CONSTANT PRESSURE VALVE

Manual control valve with pressure compensation. Deactivation of particular spraying sections is controlled by appropriate pushbuttons on valves.

Link control of the main valve for PLUS.

Application:

EKO, LUX, REX



ELECTRICALLY CONTROLLED PROPORTIONAL SOLENOID VALVE

Valve block with electric motors with pressure compensation system and controlled by CONTROL DUO. The valve can be extended of electronic pressure transmitter or installation of SPRAY or UTS computers.

Application:

EKO, LUX, REX, PLUS, EUROPA, EUROPA XL, EUROPA premium



CONTROL H CONTROLLER

Basic features:

control of boom hydraulic system functions

Application:

SYMMETRIC BOOMS AND SYMMETRIC BOOMS WITH INCLINATION, with manual ZSF or ZTS valve of the fluid system



CONTROL H+ CONTROLLER

Basic features:

control of boom hydraulic system functions, control of foam marker

Application:

INDEPENDENT BOOMS WITH INCLINATION with manual ZSF or ZTS valves of the fluid system



CONTROL DUO CONTROLLER

Basic features:

activation of spraying and boom sections control of operating pressure, control of hydraulic system functions, control of foam marker

Application:

for SYMMETRIC BOOMS AND SYMMETRIC BOOMS WITH INCLINATION, INDEPENDENT BOOMS WITH INCLINATION with electric valve of fluid system



Additional features CONTROL DUO

electronic display of operating pressure on the control panel

Options for extra charge – computers



Computer SPRAY

automatic maintaining of the spraying dose independent on the driving speed.

for tanks starting from 800 L, 3-chamber

Requires solenoid valve

EKO, LUX, REX, PLUS, EUROPA, EUROPA XL, EUROPA premium



Computer TOUCH 800

touch screen

automatic maintaining of the spraying dose independent on the driving speed. Control of the basic spray functions with a joystick.

With ISOBUS installed.

Includes joystick.

Requires solenoid valve + electrohydraulic boom control.

EUROPA, EUROPA XL, EUROPA premium



NAVI-GPS

Allows automatic deactivation of boom sections and creation of virtual paths basing on the GPS signal both in mounted and trailed sprayers. Advantages of this solution are quick connection to the SPRAY computer and possibility of use navigation when working with other machines such as cultivators or fertilizer spreaders. Only available for SPRAY computer.

LUX, REX, PLUS, EUROPA XL, EUROPA premium



S-BOX

Control panel for quick and individual control of any of the sprayer section.

Available for TOUCH , UTS, UTS KOMFORT computers



Cable for speed readout – tractor/SPRAY computer

Adapter cable for speed readout, only for the mounted sprayers, allowing collision-free connection of the sprayer computer to the tractor speed sensor. Only available for SPRAY computer.

EKO, LUX, REX



LIGHTBAR

Additional diode indicator of the driving direction, attached to the tractor windscreen on a suction cup and which facilitates the operator to maintain proper driving track. Requires TRACK Leader II function.

Available for TOUCH , UTS, UTS KOMFORT computers

ploughs

cultivation

seeding equipment

combination seed drills

disc, rotary & tillage mowers

rakes & tedders

bale wrappers combination

bale wrappers

mineral fertilization

manure fertilization

potato technology

transport

PROTECTION

storage

Options for extra charge



EKO, LUX, REX, PLUS, EUROPA, EUROPA XL, EUROPA premium

Foam marker

Foaming device with a capacity of 20 L that allows marking the passes with foam left on the ground or plants. The foam left prevents against repeating spraying in a visual manner.



EKO, LUX, REX, PLUS, EUROPA, EUROPA XL, EUROPA premium

Hose for tank filling up

By means of hose (which includes also special suction basket) and efficient sprayer pump is possible to fill quickly the main tank of the sprayer.



PLUS w. boom STANDARD, EUROPA, EUROPA XL, EUROPA premium

Night LED lighting of field boom

Additional set of lamps attached to the boom and over the water diluter allows for operation of the machine even in nighttime



REX, PLUS, EUROPA, EUROPA XL, EUROPA premium

Night lighting

An additional set of halogen lamps mounted on the boom allows the safe operation of the sprayer, even at night.



LUX 800/1000, REX, PLUS, EUROPA, EUROPA XL, EUROPA premium

Hydrant connection

using hydrant connection we can filling up sprayer by water under pressure.



EUROPA, EUROPA XL, EUROPA premium

Hydrant connection for filling w. fluid measurement

Hydrant connection for filling w. fluid measurement allows precisely and comfortable filling up sprayer tank by water under pressure.



LUX, REX

Boom section filters

Speed up and make easier the cleaning of fluid system on the boom through elimination of single-cleaning of the spray nozzles. They reduce also the contact with plants-protection substance.



PLUS 2000/2500, EUROPA, EUROPA XL, EUROPA premium

External sprayer washer

external sprayer washer equipped in drum automatically wind up hose lenght 20 ldm and lance with jet regulation of liquid in grip is comfortable and safety for natral environment, allows celanig machine outside, directly on the field



EKO – Boom on pipes, REX, PLUS with REX boom

Rotating head 3-position or 4-position head

valve eliminating drop, makes it easier to quickly change the nozzles and adjust to the conditions of field crops.



EKO 3-chamber, LUX, REX

Rotary washers of the main tank

Options – drawbars, axles and wheels



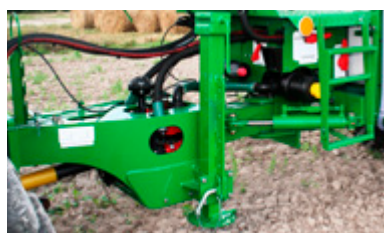
Rigid drawbar w. low hitch
with ø50 eye

PLUS 2000, 2500



Turnable drawbar
W. stays

PLUS 1200, 1500, 1600



Semi-automatic tracking drawbar
Semi-automatic tracking drawbar allows automatic tracking of tractor tracks in row crops and manual shifting, to a so called 'dog walk'. Requires SPRAY computer and INDEPENDENT, electrohydraulically controlled BOOM.

PLUS 2000, 2500, EUROPA, EUROPA XL



Automatic tracking drawbar
działający na zasadzie żyroskopu, umożliwia precyzyjne kopiowanie śladów ciągnika w uprawach rzędowych oraz automatyczne lub manualne przestawienie na tzw. „psi chod”.

EUROPA, EUROPA XL



Turnable axle
Turnable axle precisely tracks the tractor tracks.
Requires UTS computer.

EUROPA premium



Air shock absorption of axles
Air shock absorption improves comfort during fast driving and in the field conditions, it dampers any vibrations transferred to the field boom very effectively.

EUROPA, EUROPA XL



Mechanical shock absorption of axles
correct the stability of the beam and durability of the machine considerably.

PLUS 2000, 2500



Mudguards
Protect the system from dirt liquid beams

PLUS, EUROPA, EUROPA XL



Rolling transport wheels
Rigid wheels can be installed in the mounted sprayers that allow safe transport of the empty machine on a hardened surface e.g. when connecting it to the tractor. Available for tanks from 800 L (3-chamber)

EKO, LUX, REX



Quick hitch coupler

REX



Ball hitch, ø80

EUROPA, EUROPA XL, EUROPA PREMIUM

ploughs

cultivation

seeding equipment

combination seed drills

disc, rotary & flail mowers

rakes & tedders

bales/wrappers combination

bale wrappers

mineral fertilization

manure fertilization

potato technology

transport

PROTECTION

storage

SLEZA

Trailed orchard sprayers



SLEZA 1500 DUET

STANDARD EQUIPMENT

- » metal construction – burning galvanized
- » main tank: 1000 L, 1500 L & 2000 L
- » clean water tank for rinsing
- » clean water tank for hand washing
- » water diluter in the main tank inlet
- » internal washer of main tank (2 rotational heads)
- » washer for bottles in additional fill-opening of the main tank
- » OMEGA 135 membrane/piston pump – efficiency 135 l/min.
- » manual control valve
- » round, tubular or column fan attachment
- » rigid drawbar
- » wheels: 10×15"
- » 2-position brass heads with spraying nozzles
- » external ejector device for chemicals suction

MODEL	PRICE
MODEL WITH STANDARD EQUIPMENT	
SLEZA 1000 PILMET	7 100
SLEZA 1000 CHMIEL	8 600
SLEZA 1000 CD PLUS	9 700
SLEZA 1000 DUET	9 000
SLEZA 1000 OKTOPUS 8	10 000
SLEZA 1000 OKTOPUS 10	10 700
SLEZA 1500 PILMET	8 100
SLEZA 1500 CHMIEL	9 700
SLEZA 1500 CD PLUS	10 800
SLEZA 1500 DUET	10 100
SLEZA 1500 OKTOPUS 8	11 000
SLEZA 1500 OKTOPUS 10	11 800
SLEZA 2000 PILMET	8 200
SLEZA 2000 CHMIEL	9 800
SLEZA 2000 CD PLUS	10 900
SLEZA 2000 DUET	10 200
SLEZA 2000 OKTOPUS 8	11 200
SLEZA 2000 OKTOPUS 10	11 900

MODEL	PRICE
MODEL WITH RECOMMENDED EQUIPMENT PACKAGE	
SLEZA 1000 PILMET	8 500
SLEZA 1000 CHMIEL	10 000
SLEZA 1000 CD PLUS	11 200
SLEZA 1000 DUET	10 500
SLEZA 1000 OKTOPUS 8	11 400
SLEZA 1000 OKTOPUS 10	12 200
SLEZA 1500 PILMET	9 600
SLEZA 1500 CHMIEL	11 200
SLEZA 1500 CD PLUS	12 300
SLEZA 1500 DUET	11 600
SLEZA 1500 OKTOPUS 8	12 600
SLEZA 1500 OKTOPUS 10	13 300
SLEZA 2000 PILMET	9 800
SLEZA 2000 CHMIEL	11 300
SLEZA 2000 CD PLUS	12 400
SLEZA 2000 DUET	11 700
SLEZA 2000 OKTOPUS 8	12 700
SLEZA 2000 OKTOPUS 10	13 500

Additional equipment: page 173-174

* RECOMMENDED FACTORY PACKAGE:

- » two-section solenoid valve with digital pressure readout in the cab
- » wheels: 11.5/80–15.3 (for 1500/2000 L)
- » turnable drawbar



Computer SPRAY

- » automatic maintaining of the spraying dose
- » modification of rows width and spraying dose
- » automatic activation or cutting off the spraying sections
- » projecting of operating pressure, indication of driving speed and fluid consumed, indication of sprayed area [ha]

NEW



OKTOPUS tube attachment

- » Application: the bushes (currants, raspberry, blueberry) and orchards
- » No. of spraying heads: 8 or 10
- » Fan dia.: 17"
- » No. of speeds: 2
- » Max fan capacity: 13 300 m³ / h
- » pipes with diffusers are mounted on the galvanized frame
- » allowing to customize their configuration
- » to three surface – possibility to adjust diffusers from the top only in bush area



PILMET fan attachment

- » Application: for traditional orchards
- » No. of spraying heads: 16
- » Fan dia.: 32"
- » No. of speeds: 2
- » Max. fan capacity: 45 000 m³ / h
- » Equipped with deflectors to regulate coverage spraying Vertical



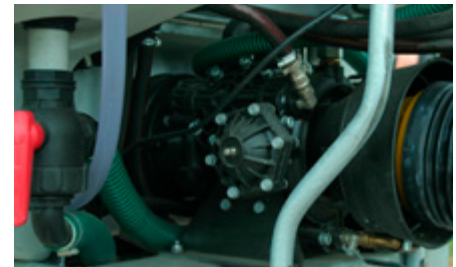
CD Plus column attachment

- » Application: for high plantings
- » No. of spraying heads: 18
- » Fan dia.: 32"
- » No. of speeds: 2
- » Max. fan capacity: 45 000 m³ / h
- » reverse row – do not suck in working liquid and leaves
- » without welds, made of acid resistant steel



DUET column attachment (two coaxial, backward fans)

- » Application: for high plantings
- » No. of spraying heads: 16
- » Fan dia.: 32"
- » No. of speeds: 2
- » Max. fan capacity: 43 000 m³ / h
- » Available in 2 or 4 Sectional
- » fan attachment made of plastic



Membrane/piston pumps:

High performance pump (135 L/min) allows for use of the full power of the attachments.

CHMIEL fan attachment

- » Application: for hop cultivation
- » No. of spraying heads: 16
- » Fan dia.: 36"
- » No. of speeds: 1
- » Max. fan capacity: 50 000 m³ / h
- adjustable angle of fan vanes

SLEZA	1000 PILMET	1500 PILMET	2000 PILMET	1000 CHMIEL	1500 CHMIEL	2000 CHMIEL	1000 CD PLUS	1500 CD PLUS	2000 CD PLUS
Attachment	PILMET ø800	PILMET ø800	PILMET ø800	CHMIEL ø900	CHMIEL ø900	CHMIEL ø900	CD plus	CD plus	CD plus
Attachment type	round						column		
Main tank capacity [l]	1000	1500	2000	1000	1500	2000	1000	1500	2000
Pump	Omega 135								
Transport dimensions [m] length/width/height	3,1 / 1,2 / 1,5	3,5 / 1,3 / 1,5	3,9 / 1,5 / 1,6	3,2 / 1,2 / 1,5	3,7 / 1,3 / 1,5	4,2 / 1,5 / 1,6	3,5 / 1,4 / 2,4	3,7 / 1,4 / 2,4	4,2 / 1,5 / 2,5
Power demand [HP]	45	45	45	55	55	55	45	45	45
Weight [kg]	490	560	660	490	560	660	580	650	750

SLEZA	1000 DUET	1500 DUET	2000 DUET	1000 OKTOPUS 8	1500 OKTOPUS 8	2000 OKTOPUS 8	1000 OKTOPUS 10	1500 OKTOPUS 10	2000 OKTOPUS 10
Attachment	DUET	DUET	DUET	Oktopus 8	Oktopus 8	Oktopus 8	Oktopus 10	Oktopus 10	Oktopus 10
Attachment type	column			round					
Main tank capacity [l]	1000	1500	2000	1000	1500	2000	1000	1500	2000
Pump	Omega 135								
Transport dimensions [m] length/width/height	3,2 / 1,3 / 2,1	3,7 / 1,3 / 2,1	4,2 / 1,5 / 2,2	3,2 / 1,3 / 2,4	3,5 / 1,3 / 2,4	3,9 / 1,5 / 2,5	3,2 / 1,3 / 2,4	3,5 / 1,3 / 2,4	3,9 / 1,5 / 2,5
Power demand [HP]	55	55	55	45	45	45	45	45	45
Weight [kg]	540	610	710	560	630	730	580	650	750

NYSA 600 / 1500

Vegetable sprayers



NYSA 600

STANDARD EQUIPMENT

- » main tank: 600 L & 1500 L – polyethylene
- » clean water tank for rinsing
- » clean water tank for hand washing
- » membrane/piston pumps:
 - DELTA 75 – 600 L
 - OMEGA 135 – 1500 L
- » water diluter in the main tank inlet
- » manual control valve
- » external suction device (1500 L)
- » field boom: 10 m
- » model NYSA 600 L, manually unfolded with 10 adjustable diffusers
- » model NYSA 1500 L, hydraulically lifted and unfolded, with tilt cylinder, and 10 adjustable diffusers
- » two-position heads with spray nozzles
- » manual boom lifting to 1.7 m (600 L)
- » hydraulic lifting to 1.4 m (1500 L)
- » trapezoid stabilization system
- » rigid drawbar (1500 L)
- » wheels 11.2×24 (1500 L)
- » variable wheel track 1.5–2.0 m and 2.2 m after interchange the wheels (1500 L)

*RECOMMENDED FACTORY PACKAGE:

- » turnable drawbar
- » two-section solenoid valve with digital pressure readout in the cab



Diffusers are mounted loosely on the field boom, allowing to customize their configuration to individual user's needs.

MODEL	PRICE
MODEL WITH STANDARD EQUIPMENT	
NYSA 600 – mounted	8 500
NYSA 1500 – trailed	14 000

MODEL	MODEL WITH RECOMMENDED EQUIPMENT PACKAGE	PRICE
NYSA 600 – mounted		—
NYSA 1500 – trailed		15 400

Additional equipment: page 173-174



Centrifugal fan, supporting the sprayed stream.



Computer SPRAY

- » automatic maintaining of the spraying dose
- » modification of rows width and spraying dose
- » automatic activation or cutting off the spraying sections
- » projecting of operating pressure, indication of driving speed and fluid consumed, indication of sprayed area [ha]

NEW

NYSA	600 TRAILED	1500 MOUNTED
Type of attachment	tube	
Main tank capacity [l]	600	1500
Pump	DELTA 75	OMEGA 135
Wheel track [m]		1,5 ÷ 2,0 and 2,20 after rearrange wheels by side
Boom control	manual	hydraulic – 2 pair of hoses (tractor lever)
Boom lifting range [m]	1,7	1,4
Working width [m]	10	10
No. of diffusers [pc.]	10	10
Transport dimensions [m] length/width/height	2,4 / 2,7 / 2,0	4,5 / 2,6 / 2,9
Power demand [HP]	80	70
Weight [kg]	420	1020



Trailed sprayer NYSA 1500

OPTIONAL ACCESSORIES

FOR ORCHARD AND VEGETABLE SPRAYERS



ploughs

cultivation

seeding
equipmentcombination
seed drillsdisc, rotary
& tillage mowers

rakes & tedders

bale
wrappersbale
wrappersmineral
fertilizationmanure
fertilizationpotato
technology

transport

PROTECTION

storage

TYPE OF SPRAYING MACHINE	SLEZA TRAILED	NYSA 1500 TRAILED	NYSA 600 MOUNTED
OPTIONS FOR FLUID SYSTEM			
Solenoid valve with pressure reading on a pressure gauge in the cab, 2 sections	820	—	—
Solenoid valve w. electronic pressure display in the cab, 2 sections	1 150	1 150	—
Solenoid valve w. electronic pressure display in the cab, 4 sections (for DUET)	1 570	—	—
Solenoid valve w. electronic pressure display in the cab, 5 sections	—	1 730	—
SPRAY Computer with 2-sections solenoid valve	2 970	2 970	—
SPRAY Computer with 4-sections solenoid valve (only duet)	3 230	—	—
SPRAY Computer with 5-sections solenoid valve (only NYSA 1500)	—	3 390	—
Suction cup holder for Computer	130	130	—
AXLE OPTIONS			
Wheels 11.5/80-15.3 (for 1500 I & 2000 L)	100	—	—
RIGID AXLE, wheel track 1.45m (for SLEZA 1000 & 1500)	120	—	—
DRAWBAR OPTIONS			
Turnable drawbar	300	300	—
OTHER OPTIONS			
Road lighting LED	190	190	190
Fan guard (for PILMET, CHMIEL, DUET fan attachments)	50		
Oil for membrane pumps – 1 L	10	10	10
Backlight for liquid level indicators	60	—	—
LED night lighting for DUET attachment	340	—	—
Protection kit, 1 set	80	80	80
PTO shafts (for rigid drawbar and NYSA 600), 250 Nm. L. nom. 540 – NYSA 600, 540 Nm. L. nom. 1210 – NYSA 1500, SLEZA	150	150	150
PTO shaft, wide angle (for turnable drawbar) 540 Nm. L. nom. 1210 – NYSA 1500, SLEZA	430	430	—
6 m hose for tank filling	110	110	110
Hydrant connection for filling	190	190	—

(—) not available, (+) standard equipment

OPTIONAL ACCESSORIES

FOR ORCHARD AND VEGETABLE SPRAYERS



Computer SPRAY

automatic maintaining of the spraying dose and activation/disactivation of spraying sections for SLEZA.



Solenoid valve w. electronic pressure display in the cab, 2 sections reading on the display

The valve allows remote control of all functions (i.e. spraying, section and operating pressure control) from the cab as well as pressure readout from the pressure gauge from LCD display installed in the control panel.



Solenoid 2-sectional valve electrically controlled proportional to the reading on the manometer

The valve allows remote control of all functions (i.e. spraying, section and operating pressure control) from the cab as well as pressure readout from the pressure gauge from manometer installed in the control panel.



Solenoid 5-sectional valve

5-section solenoid valve with digital readout for NYSA 1500



Solenoid 4-sectional valve

4-section solenoid valve with digital readout for SLEZA DUET



Fan guard

Rubber fan guard prevents suction of leaves by the fan. Only available for the PILMET and CHMIEL attachments.



HYDRANT CONNECTION – SLEZA, NYSA 1500



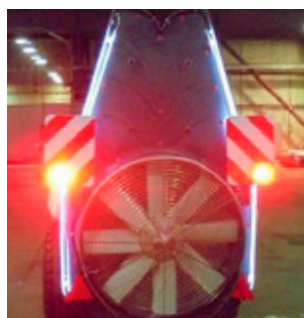
Steering drawbar NYSA 1500

It allows you to maneuver a set of tractor / sprayer



Steering drawbar – SLEZA

It allows you to maneuver a set of tractor / sprayer



Night lighting LED – attachment DUET

STORAGE



FARMA



ploughs

cultivation

seeding
equipment

combination
seed drills

disc, rotary
& tillage
mowers

rakes & tedders

bale
wrappers
combination

bale
wrappers

mineral
fertilization

manure
fertilization

potato
technology

transport

protection

STORAGE

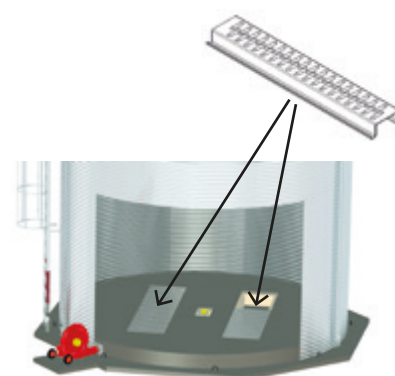
Flat-bottomed corrugated sheet silos used for storage of dry grain of cereals, rapeseed, maize, legumes and other bulk materials. The silos are designed to be installed by the buyer.

FARMA 100



STANDARD ACCESSORIES

- » silo roof
- » grain feeding inlet ø250
- » roof vent
- » roof inspection hatch
- » silo side surface
- » side surface
- » bottom hatch
- » bagging machine
- » ventilation inlet ø160
- » perforated duct type floor
- » installation instructions
- » foundation guidelines



FLOOR – consists of perforated panels made of galvanized sheet which cover concrete ducts of galvanized sheet which cover concrete ducts performed as part of foundation works by the investor. The air is pressed from a ventilator to the concrete ducts, goes through the holes in the floor panels and then through a layer of the stored grain and goes outside the silo through the roof vent.



ROOF VENT – allows for appropriate ventilation of the stored grain.

MODEL	PRICE	MODEL	PRICE
FARMA 50	3 500	FARMA 150	6 100
FARMA 80	4 400	FARMA 200	8 100
FARMA 100	4 900	FARMA 250	9 700

ACCESSORIES AT EXTRA CHARGE

	PRICE
Discharge without the latch to the underfloor auger	50
Diagonal auger sleeve	350
Elevating head ø200, outlet, joint	270
Additional payment for the solid base for FARMA 100-250 on blocks	1 240
Concrete blocks 25x38x14 (set under the solid base FARMA 100-250 – 150 pcs.)	270
Additional payment for the solid base for FARMA 50-80 on blocks	1 080
Concrete blocks 25x38x14 (set under the solid base FARMA 50-80 – 90 pcs.)	150
Discharge with the latch to the underfloor auger under the solid base	590
Ladder for the base hatch – set	90

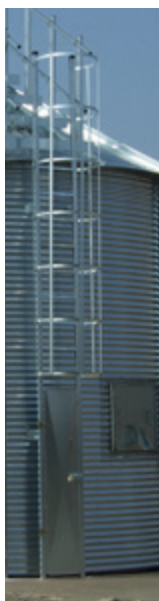
EXTRA CHARGED ACCESSORIES

Filling sensor
Screw conveyor ø140 / 20 t/h / 2.2 kW, length 4 m, underfloor
Screw conveyor ø140 / 10 t/h / 2.2 kW, length 4 m, diagonal
Ventilation fan 7.5 kW

FARMA	50	80	100	150	200	250
Total capacity ¹ [m³]	83	121	160	230	300	371
Useful volume ² [m³]	65	103	120	187	254	321
Load capacity 3 [t]	51	80	94	146	198	250
Total height (Hc) [m]	5,93	8,21	6,37	8,65	10,93	13,21
Height of cylindrical part (H) [m]	4,61	6,89	4,61	6,89	9,17	11,45
Diameter (D) [m]	4,6	4,6	6,1	6,1	6,1	6,1
Net weight [kg]	1450	1800	1890	2400	3240	3840

¹ The capacity of the entire structure without floor. ² The capacity of the construction together with the floor location height and angle of repose of wheat ³ Load capacity is given for dry wheat with a density of 780 kg/m³ taking into account the floor location height

FARMA



BAGGING MACHINE – used to collect a portion of grain from the silo to move it away from the bottom hatch.



BOTTOM HATCH – allowing entry inside the silo.

EXTERNAL LADDER – used to securely enter the roof inspection hatch. SIDE



SILO ROOF WITH A GUARD RAIL – cone with a 30 degree angle made of sheet steel covered with GALFAN coating and screwed with bolts. BOTTOM



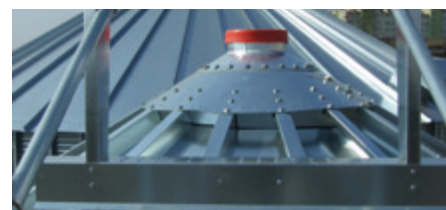
VENTILATION INLET – located under the floor of the silo and is used to connect with the ventilation fan.



SIDE SURFACE – creates a steel mantle of the silo and consists of specially corrugated sheets made of steel sheet covered with GALFAN which increases durability o the anticorrosion protection. The whole structure is stabilized by a system of vertical reinforcements. Individual elements of the side surface are combined with steel bolts. Simplicity and stability of the structure makes it easier and faster to install. BAGGING



CIRCULATING SCREW CONVEYOR – used to empty the silo of the grain remaining after unloading with the underfloor screw conveyor



FEEDING INLET – located in the central part of the roof and is used to feed grain into the silo.

DEVICES TO LOAD THE SILO UP

Tubular screw conveyor ø140 / dt. 10 m / 4,0 kW / 8 t/h with a boot with a grate for FARMA 50/100 silo

Tubular screw conveyor ø140 / dt. 12 m / 4,0 kW / 8 t/h with a boot with a grate for FARMA 80/150 silo

Pneumatic conveyor (T378/1) 5,5 kW / 5-6 t/h with pipes for FARMA 50

Pneumatic conveyor (T378/1) 5,5 kW / 5-6 t/h with pipes for FARMA 80

Pneumatic conveyor (T378/1) 5,5 kW / 5-6 t/h with pipes for FARMA 100

Pneumatic conveyor (T378/1) 5,5 kW / 5-6 t/h with pipes for FARMA 150

Pneumatic conveyor (T378/1) 5,5 kW / 5-6 t/h with pipes for FARMA 200

Pneumatic conveyor (T378/1) 5,5 kW / 5-6 t/h with pipes for FARMA 250

AGA 20 bucket conveyor – height 10 m / 1,5 kW / 20 t/h* for FARMA 50,100

AGA 20 bucket conveyor – height 12 m / 1,5 kW / 20 t/h* for FARMA 80,150

AGA 20 bucket conveyor – height 14 m / 1,5 kW / 20 t/h* for FARMA 200

AGA 20 bucket conveyor – height 16 m / 3,0 kW / 20 t/h* for FARMA 250

* bucket conveyor complete with the service platform, ladder, fixing frames, struts, cable and switch without installation, according to the price list

TEMPERATURE MEASUREMENT SYSTEM

4-point probe with a manual reader for the FARMA 50/100 silo

6-point probe with a manual reader for the FARMA 80/150 silo

8-point probe with a manual reader for the FARMA 200 silo

10-point probe with a manual reader for the FARMA 250 silo

permanent temperature measurement - basic version

permanent temperature measurement with remote acces

permanent temperature measurement with funktion of SMS sending

additional cover weather-resistant



NEW SYSTEM OF MONITORING TEMPERATURE

Possibility of control the temperature in the silo is a guarantee of security of the grain, the opportunity to receive sms messages about the potential failure

DEVICES TO UNLOAD THE SILO

Screw conveyor $\varnothing 140$ / 10 t/h / 2.2 kW, length 4 m, diagonal for FARMA 50-250

Screw conveyor $\varnothing 140$ / 20 t/h / 2.2kW, length 4 m, underfloor for FARMA 50-250

Circulating auger with switches and wiring for the switches

Latches and discharge for solid base for circulating auger for FARMA

AGA 20 bucket conveyor – height 10m / 1.5 kW / 20 t/h* for FARMA 50,100

AGA 20 bucket conveyor – height 12m / 1.5 kW / 20 t/h* for FARMA 80,150

AGA 20 bucket conveyor – height 14m / 1.5 kW / 20 t/h* for FARMA 200

AGA 20 bucket conveyor – height 16m / 3.0 kW / 20 t/h* for FARMA 250

* bucket conveyor complete with the service platform, ladder, fixing frames, struts, cable and switch without installation

TRANSPORT TO THE WAREHOUSE OF DEALER DEALERA

Price includes transport of silos

FARM silo is delivered to the customer in the form of elements for montage.

CRANE FOR INSTALLATION OF SILOS

FARMA 50, 100 min. load capacity of 3 t, radius 10 m

FARMA 80, 150 min. load capacity of 4 t, radius 12 m

FARMA 200 min. load capacity of 5 t, radius 14 m

FARMA 250 min. load capacity of 6 t, radius 16 m

SILO INSTALLATION TIME

installation of silo FARMA 50 (installation time - ca 1,5 days)

installation of silo FARMA 80 (installation time - ca 1,5 days)

installation of silo FARMA 100 (installation time - ca 1,5 days)

installation of silo FARMA 150 (installation time - ca 1,5 days)

installation of silo FARMA 200 (installation time - ca 1,5 days)

installation of silo FARMA 250 (installation time - ca 1,5 days)

montage by specialists silo UNIA ARAJ REALIZATION

GUARANTEE

- » total - 12 month
- » for the GALFAN cover of used the steel sheet (roof, side surface) – 5 years

INVESTOR'S TASKS/EXTRA CHARGED SERVICES, (not included in the silo price):

- » Transport of the purchased goods to the installation site;
- » Self-installation of the silo using the supplied components, supervision over the installation or commissioning installation to a qualified installation team;
- » Execution of the foundation slab for the purchased silo according to the provided guidelines;
- » Obtaining a construction permit
- » Development of the construction project

ARRIVAL OF UNIA ARAJ REALIZACJE SPECIALISTS TO PERFORM THE INSTALLATION, SUPERVISION OR LAUNCHING AFTER AGREEMENTS WITH THE CLIENT.



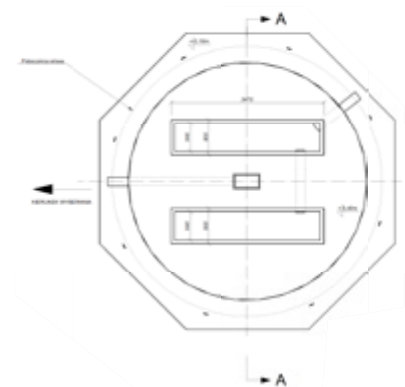
Self-montage according to the instructions supplied by the producer with the help of a rented crane.



Foundations guidelines diagram.



Installation performed by the manufacturer's specialized installation team using mounting racks



Model of basement/fundation.

FARMA PREMIUM

Conical-bottom corrugated sheet silos used as operational silos for periodical feeding and emptying the grain as also to store all types of cereals, rapeseed, maize, legumes.

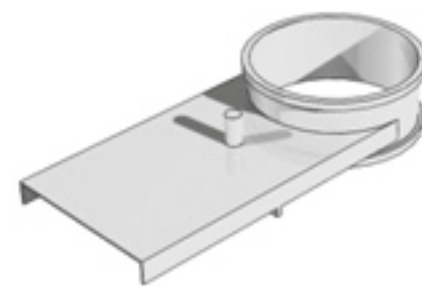


STANDARD ACCESSORIES

- » silo roof with a guard rail
- » grain feeding inlet ø250
- » roof vent
- » roof inspection hatch
- » external ladder
- » silo side surface
- » hopper 45° on support columns
- » manual valve ø 200



HOPPER – construction on support columns in the shape of a converted cone with the angle of 45st ended with an outlet of fi200mm, the hopper walls made of flat sheets. It is used for gravitational emptying the silo of grain without the use of additional assistive devices.



MANUAL VALVE – used to close the hopper outlet.

MODEL

PRICE

FARMA 35 PREMIUM	5 400
FARMA 45 PREMIUM	5 700
FARMA 55 PREMIUM	6 100
FARMA 70 PREMIUM	7 500
FARMA 100 PREMIUM	8 300
FARMA 130 PREMIUM	12 600
FARMA 180 PREMIUM	13 700

ACCESSORIES AT EXTRA CHARGE

Ventilation system for PREMIUM 35, 45, 55 without the fan	720
Ventilation system for PREMIUM 70, 100 without the fan	920
Ventilation system for PREMIUM 130, 180 without the fan	1 240
Side hatch for PREMIUM	660
Elevating head ø200, outlet, joint (TURBOWENT)	270

EXTRA CHARGED ACCESSORIES

Filling sensor
Ventilation fan 7.5kW

FARMA PREMIUM	35	45	55	70	100	130	180
Total capacity [m³]	51	64	77	96	134	182	249
Useful capacity	45	58	71	87	125	166	233
Load capacity [t]¹⁾	35	45	55	68	97	130	182
Total height (H)	7,07	8,21	9,35	8,93	11,21	10,27	12,55
Cylinder part height (H)	3,47	4,61	5,75	4,61	6,89	4,61	6,89
Cone height (HL)	2,5	2,5	2,5	3,0	3,0	3,9	3,9
Discharge height from the floor (H)	0,6	0,6	0,6	0,6	0,6	0,6	0,6
Diameter (D) m	3,8	3,8	3,8	4,6	4,6	6,1	6,1
Net weight [kg]	1750	1940	2120	2500	2950	4180	4750

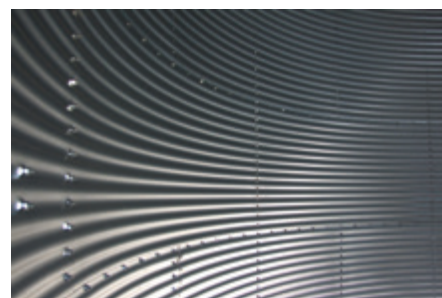
¹⁾ Load capacity for dry wheat with a density of 780 kg / m³



ROOF VENT – allows to remove moisture from the ventilated grain



GRAIN FEEDING INLET – located in the central part of the roof and is used to feed grain into the silo.



SIDE SURFACE – creates a steel mantle of the silo and consists of specially corrugated sheets made of steel sheet covered with GALFAN which increases durability of the anticorrosion protection. The whole structure is stabilized by a system of vertical reinforcements. Individual elements of the side surface are combined with steel bolts. Simplicity and stability of the structure makes it easier and faster to install.



SILo ROOF WITH A GUARD RAIL – cone with a 30 degree angle made of sheet steel covered with GALFAN coating and screwed with bolts



DEVICES TO LOAD THE SILO UP

Tubular screw conveyor $\varnothing 140$ / dl. 12 m / 4,0 kW / 8 t/h with a boot with a grate for FARMA 35-70 PREMIUM silo

Pneumatic conveyor (T378/1) 5,5 kW / 5-6 t/h with pipes for FARMA 35 PREMIUM

Pneumatic conveyor (T378/1) 5,5 kW / 5-6 t/h with pipes for FARMA 45 PREMIUM

Pneumatic conveyor (T378/1) 5,5 kW / 5-6 t/h with pipes for FARMA 55 PREMIUM

Pneumatic conveyor (T378/1) 5,5 kW / 5-6 t/h with pipes for FARMA 70 PREMIUM

Pneumatic conveyor (T378/1) 5,5 kW / 5-6 t/h with pipes for FARMA 100 PREMIUM

Pneumatic conveyor (T378/1) 5,5 kW / 5-6 t/h with pipes for FARMA 130 PREMIUM

Pneumatic conveyor (T378/1) 5,5 kW / 5-6 t/h with pipes for FARMA 180 PREMIUM

AGA 20 bucket conveyor – height 12 m / 1,5 kW / 20 t/h* for FARMA 55,70 PREMIUM

AGA 20 bucket conveyor – height 14 m / 1,5 kW / 20 t/h* for FARMA 100,130 PREMIUM

AGA 20 bucket conveyor – height 16 m / 3,0 kW / 20 t/h* for FARMA 180 PREMIUM

* bucket conveyor complete with the service platform, ladder, fixing frames, struts, cable and switch without installation

DEVICES TO UNLOAD THE SILO

Screw conveyor $\varnothing 140$ / 10 t/h / 3,0 kW, length 5 m, with inlet $\varnothing 200$ for FARMA 35-180 PREMIUM silo

Screw conveyor $\varnothing 140$ / 10 t/h / 2,2 kW, length 4 m, with inlet $\varnothing 200$ for FARMA 35-180 PREMIUM silo

Pneumatic conveyor (T378/1) 5,5 kW / 5-6 t/h with pipes for FARMA 35-180 PREMIUM

AGA 20 bucket conveyor – height 12 m / 1,5 kW / 20 t/h* for FARMA 55,70 PREMIUM

AGA 20 bucket conveyor – height 14 m / 1,5 kW / 20 t/h* for FARMA 100,130 PREMIUM

AGA 20 bucket conveyor – height 16 m / 3,0 kW / 20 t/h* for FARMA 180 PREMIUM

* bucket conveyor complete with the service platform, ladder, fixing frames, struts, cable and switch without installation according price list AGA



SYSTEM VENTILATING grain in the silo – allows for the air to flow through the silo – allows for the air to flow through the stored grain and protects against cumulating moisture inside the silo (as additional accessories)

FARMA PREMIUM

TRANSPORT TO THE WAREHOUSE OF DEALER

Price includes transport of silos

FARM silo is delivered to the customer in the form of elements for montage.

CRANE FOR INSTALLATION OF SILOS

FARMA 35, 45 PREMIUM min. load capacity of 2 t, radius 10 m
FARMA 55, 70 PREMIUM min. load capacity of 3 t, radius 12 m
FARMA 100, 130 PREMIUM min. load capacity of 5 t, radius 14 m
FARMA 180 PREMIUM min. load capacity of 6 t, radius 15 m

SILO INSTALLATION TIME

installation of silo FARMA 35 (installation time - ca 2 days)
installation of silo FARMA 45 (installation time - ca 2 days)
installation of silo FARMA 55 (installation time - ca 2 days)
installation of silo FARMA 70 (installation time - ca 2,5 days)
installation of silo FARMA 100 (installation time - ca 3 days)
installation of silo FARMA 130 (installation time - ca 3,5 days)
installation of silo FARMA 180 (installation time - ca 4 days)

Arrival of Unia Araj Realizacje specialists to perform the installation, supervision or launching after agreements with the Client.



Self-montage according to the instructions supplied by the producer with the help of mounting racks , of loader and rented crane.

GUARANTEE

- » total – 12 month
- » for the GALFAN cover of used the steel sheet (roof, side surface) – 5 years

INVESTOR'S TASKS/EXTRA CHARGED SERVICES (NOT INCLUDED IN THE SILO PRICE):

- » Transport of the purchased goods to the installation site;
- » Supervision over the installation or commissioning the installation to a qualified installation team;
- » Installation of the silo using the supplied components or commissioning installation to a qualified installation team;
- » Execution of the foundation slab for the purchased silo according to the provided guidelines;
- » Development of the construction project

ARRIVAL OF UNIA ARAJ REALIZACJE SPECIALISTS TO PERFORM THE INSTALLATION, SUPERVISION OR LAUNCHING AFTER AGREEMENTS WITH THE CLIENT.



KARMA



KARMA type silos are designed for temporary storage of ground grain and dry compound feedstuffs – granular and dry bulk, bran, wood chips and pellets of various origins. Hopper inclination angle of 60°.



STANDARD ACCESSORIES

- » roof with central inlet of ø250 mm with a plug
- » side walls
- » hopper with an ø440 mm outlet
- » inspection hatch in the hopper
- » silo supports
- » pipe loading the silo ø100 mm with an ending for the feed wagon
- » ø160 mm vent pipe
- » inspection sighting glasses



The use of high-quality galvanized steel sheets with an addition of aluminium (GALFAN) extends the usable life of the silo and protects it against corrosion.

No assembly required – assembled and ready to use immediately after installation



TRANSPORT (PAID)

TRANSPORT OF SILO 3ZŁ/KM

MODEL

MODEL	PRICE
KARMA 10	2 600
KARMA 13	2 800
KARMA 16	3 700

ACCESSORIES AT EXTRA CHARGE

Manual gate valve in a rash ø440	140
Transition dump ø440 / ø200	100
Outer ladder with bail to KARMA 10	290
Outer ladder with bail to KARMA 13	340
Outer ladder with bail to KARMA 16	380

EXTRA CHARGED ACCESSORIES

Screw conveyor ø140/10t/h /2,2kW, length 4m, diagonal

KARMA	10	13	16
Total capacity [m³]	18,0	22,7	27,3
Useful capacity [m³]	15,7	20,4	25,1
Load capacity [t] ¹⁾	10,3	13,3	16,3
Total height [m]	6,62	7,76	8,90
Cylinder part height [m]	3,47	4,61	5,75
Cone height [m]	2,49	2,49	2,49
Discharge height from the floor [m]	0,8	0,8	0,8
Diameter [m]	2,3	2,3	2,3
Net weight [kg]	700	780	850

¹⁾ Load capacity given for feedstuffs with density of 0.65 t/m³.

OBI

Batch dryers can for drying all types of grain, rapeseed, maize and sunflower.



STANDARD ACCESSORIES

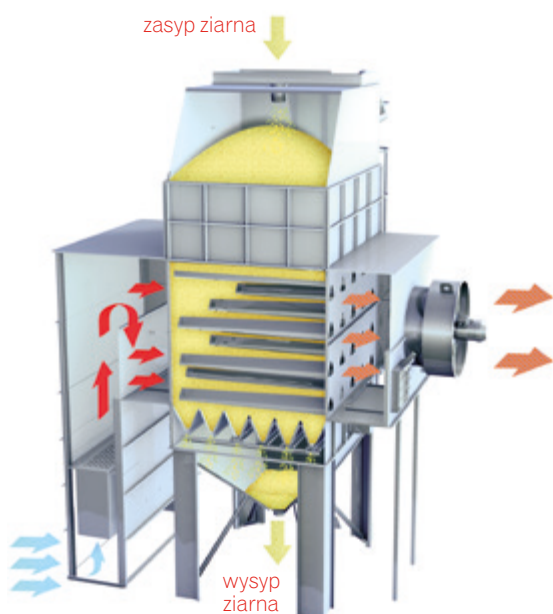
- » filling/buffer segments
- » drying segments with outlet duct
- » grain unloading system with mechanical speed control
- » exhaust fan
- » inlet duct
- » gas duct burner
- » control cabinet
- » filling sensor
- » roof railing with a ladder
- » foundation guidelines

MODEL	350	500	1000
OBI	22 700	24 500	30 200

ACCESSORIES AT EXTRA CHARGE

Raising the dryer's support columns and the inlet duct by 1.2m	1 470	1 470	1 470
Dryer insulation	900	1 030	1 470
Dust separation (cyclone-ventilator)	5 220	5 220	11 080
Furnace with heat exchanger and gas burner	2 680	3 590	14 180
Furnace with heat exchanger and oil burner	1 860	2 710	13 200

ARRIVAL OF UNIA ARAJ REALIZACJE SPECIALISTS TO PERFORM THE INSTALLATION, SUPERVISION OR LAUNCHING AFTER AGREEMENTS WITH THE CLIENT.



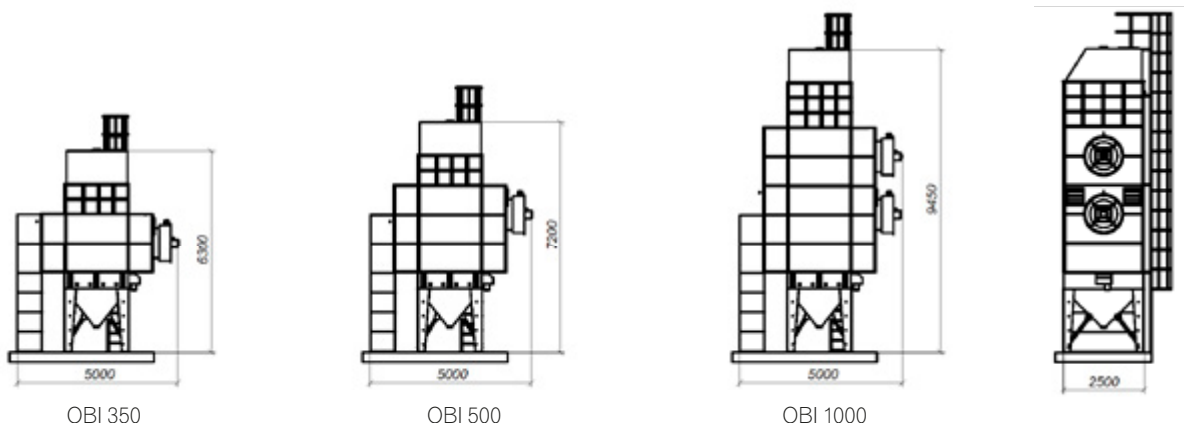
INVESTOR'S TASKS/EXTRA CHARGED SERVICES (NOT INCLUDED IN THE BATCH DRYER PRICE):

- » execution of the foundation for the dryer according to the provided guidelines
- » supply of electricity to the control cabinet
- » supply of gas and gas installations to the burner according to the provided guidelines
- » provision of a crane for the duration of unloading and installation of the device
- » provision of devices to feed and discharge the grain from the dryer
- » launching the dryer

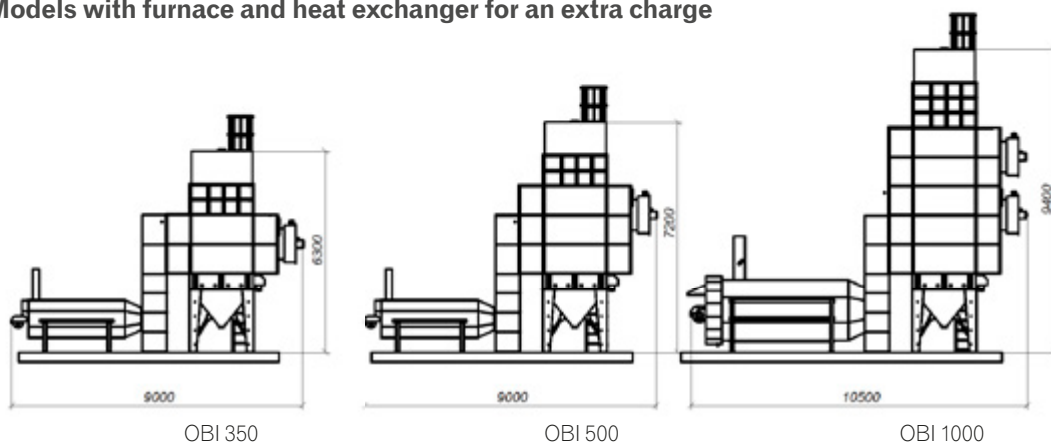
- cool dry air
- heated air
- moist, cooled down air



Basic models with gas duct burner



Models with furnace and heat exchanger for an extra charge



OBI	350	500	1000
Approximate feed hopper capacity [t]	9,5	11,2	17,7
Overall thermal power [kW]	350	500	1000
No. of fans [pc.]	1	1	2
RAPE – productivity at drying from 13 % to 7 %			
Daily capacity [t/24h]	57	88	114
Total drying cycle [h]	4	3,1	3,8
WHEAT – productivity at drying from 19 % to 15 %			
Daily capacity [t/24h]	79	117	148
Total drying cycle [h]	2,9	2,3	2,9
MAIZE/CORN – productivity at drying from 30 % to 15 %			
Daily capacity [t/24h]	34	46	77
Total drying cycle [h]	6,7	6,1	5,6
Electric power installed [kW]	9,2	9,4	17,6
Approximate natural gas consumption	Wheat and rape: 1 m³/t%, maize/corn 1.5 m³/t%		
Approximate LNG consumption	Wheat and rape: 1.5 L/t%, maize/corn 2.0 L/t%		
DRYER'S DIMENSIONS			
length [m]/ length with furnace [m]	5,0/9,0	5,0/9,0	5,0/10,5
width [m]	2,5	2,5	2,5
height [m]	6,3	7,2	9,4
standard weight [kg] / weight with furnace [kg]	4100/4800	4600/5300	5900/7800

1) Backfill capacity given for wheat with density 750 kg/m³

2) Capacity per day for rapeseed is given for density 680 kg/m³

* Efficiencies given for drying temperatures: 90°C for rape, 95°C for wheat, at external temp 15°C; 110°C for maize, at external air temperature 0°C; air humidity from 35% to 70%

* Parameters given without cooling process, for backfill devices with efficiency 30 t/h

OBI PREMIUM

OBI batch dryers equipped with complete grain loading and unloading system.



OBI PREMIUM

COMPLETE EQUIPMENT OF OBI STANDARD and additionally:

- » AGA bucket elevator 30 t/h, 3.0 kW
- » service platform of the bucket elevator with a ladder
- » technological joints set (pipes, angle joints, joints, divider)
- » developed control cabinet with automation of grain recirculation

OBI PREMIUM PLUS

COMPLETE EQUIPMENT OF OBI PREMIUM and additionally:

- » CUG dust and chaff aspirator for preliminary cleaning with a cyclone and pipework

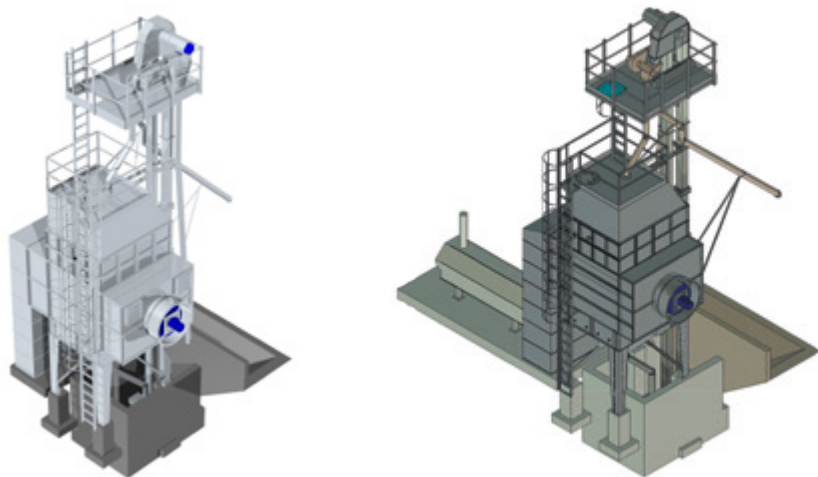
MODEL	350	500	1000
OBI PREMIUM	32 800	35 100	41 300
OBI PREMIUM PLUS*	34 800	37 100	43 400

*Price of gas burner channel

ACCESSORIES AT EXTRA CHARGE

Raising the dryer's support columns and the inlet duct by 1.2m	1 470	1 470	1 470
Dryer insulation	900	1 030	1 470
Dust separation (cyclone-ventilator)	5 220	5 220	11 080
Furnace with heat exchanger and gas burner	2 680	3 590	14 180
Furnace with heat exchanger and oil burner	1 860	2 710	13 200

ARRIVAL OF UNIA ARAJ REALIZACJE SPECIALISTS TO PERFORM THE INSTALLATION, SUPERVISION OR LAUNCHING AFTER AGREEMENTS WITH THE CLIENT.



INVESTOR'S TASKS/EXTRA CHARGED SERVICES (NOT INCLUDED IN THE BATCH DRYER PRICE):

- » execution of the foundation for the dryer according to the provided guidelines
- » supply of electricity to the control cabinet
- » supply of gas and gas installations to the burner according to the provided guidelines
- » transport purchased goods from the headquarters of dealer to the installation place
- » rental of a crane during unloading and installation of equipment



Provision of devices to feed and discharge the grain from the dryer

OBI	350	500	1000
Approximate feed hopper capacity [t]	9,5	11,2	17,7
Overall thermal power [kW]	350	500	1000
No. of fans [pc.]	1	1	2
RAPE – productivity at drying from 13 % to 7 %			
Daily capacity [t/24h]	57	88	114
Total drying cycle [h]	4	3,1	3,8
WHEAT – productivity at drying from 19 % to 15 %			
Daily capacity [t/24h]	79	117	148
Total drying cycle [h]	2,9	2,3	2,9
MAIZE/CORN – productivity at drying from 30 % to 15 %			
Daily capacity [t/24h]	34	46	77
Total drying cycle [h]	6,7	6,1	5,6
Electric power installed [kW] OBI PREMIUM	12,2	12,4	20,6
Electric power installed [kW] OBI PREMIUM PLUS	12,95	13,15	21,35
Approximate natural gas consumption	Wheat and rape: 1 m³/t%, maize/corn 1.5 m³/t%		
Approximate LNG consumption	Wheat and rape: 1.5 L/t%, maize/corn 2.0 L/t%		
DRYER'S DIMENSIONS			
length [m]/ length with furnace [m]	5,0/9,0	5,0/9,0	5,0/10,5
width [m]	2,5	2,5	2,5
height [m]	10,4	11,4	13,9
bucket elevator height [m]	11,5	12,5	15,0
standard weight[kg]/ weight with furnace [kg]	5900/6600	6500/7200	8000/9900

1) Backfill capacity given for wheat with density 750 kg/m³

2) Capacity per day for rapeseed is given for density 680 kg/m³

* Efficiencies given for drying temperatures: 90°C for rape, 95°C for wheat, at external temp 15°C; 110°C for maize, at external air temperature 0°C; air humidity from 35% to 70%

* Parameters given without cooling process, for backfill devices with efficiency 30 t/h

AGA

Bucket elevators for grain vertical transport.



MODEL	20	30	40
AGA – 8 m	4 400	4 500	4 600
AGA – 10 m	4 650	4 800	5 300
AGA – 12 m	5 000	5 450	5 600
AGA – 14 m	5 250	5 750	5 900
AGA – 16 m	5 900	6 050	6 250
AGA – 18 m	6 200	6 350	6 700
AGA – 20 m	6 450	6 700	7 000
AGA – 22 m	6 750	7 100	7 900
AGA – 24 m	7 050	7 400	8 250
AGA – 26 m	7 300	7 700	8 600
AGA – 28 m	7 600	8 000	8 900
AGA – 30 m	7 900	8 950	10 150

ACCESSORIES AT EXTRA CHARGE

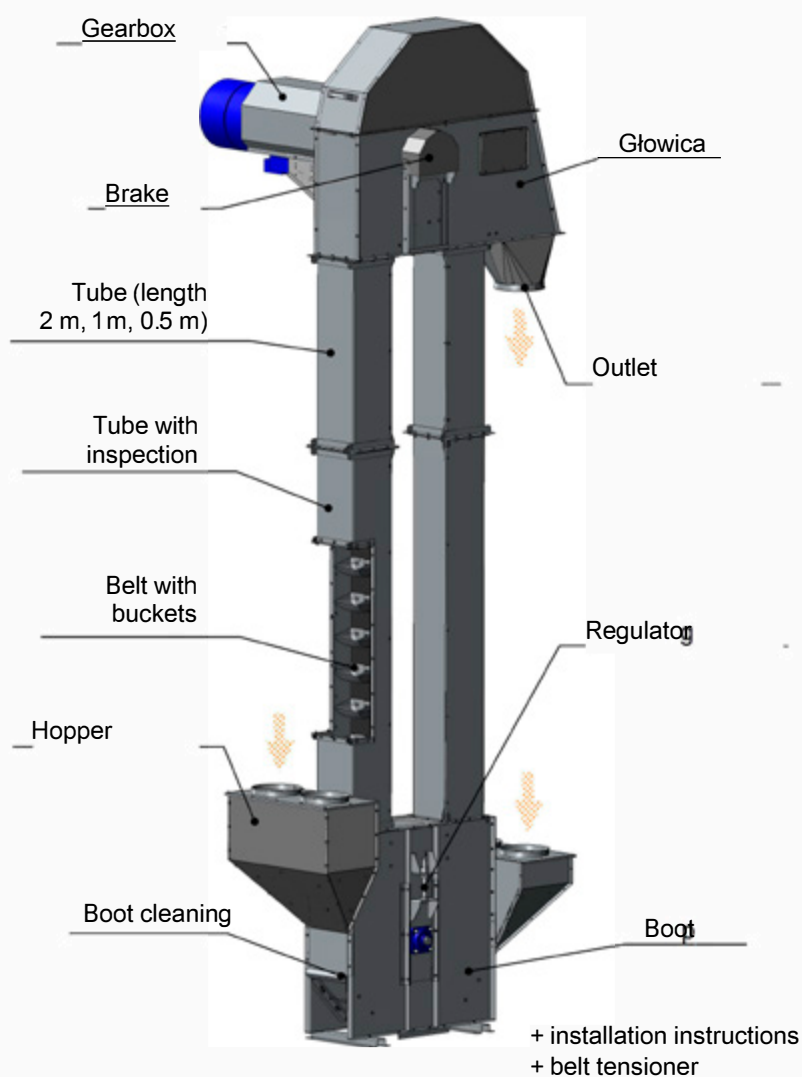
Service platform 2.0 x 2.0m with a grate	880
Service platform 2.0 x 2.5m with a grate	950
Frame fixing the elevator / 1pcs. at the length 4m	40
Ladder with safety cage – l.2.4m	100
Ladder with safety cage – l.3.0m	150
Ladder with safety cage – l.3.6m	170
Ladder with safety cage – l.4.1m	180
Ladder with safety cage – l.4.8m	220
Electrodynamic switch / start – stop	280
Telescopic strut 1.9-3.2m for fixing	40
C-bar spacer l 3m for fixing	30

ARRIVAL OF UNIA ARAJ REALIZACJE SPECIALISTS TO PERFORM THE INSTALLATION, SUPERVISION OR LAUNCHING AFTER AGREEMENTS WITH THE CLIENT.

INVESTOR'S TASKS/ EXTRA CHARGED SERVICES (NOT INCLUDED IN THE BUCKET ELEVATOR PRICE):

- » delivery and reception of grain from the lift
- » supply of electricity
- » provision of a crane for the duration of unloading and installation of the device





AGA	20	30	40
Capacity * [t/h]	20	30	40
Capacity [m ³ /h]	26	40	53
Belt speed [m/s]	3,1	3,1	3,1
Speed [RPM]	145	145	145
Inlet and outlet dimensions [mm]	ø160	ø160	ø200
Electric power [kW]	1,1÷3,0	1,5÷5,5	1,5÷7,5

¹⁾Capacity is given for wheat with humidity of 15%

AGA	20		30		40	
	NET WEIGHT	WEIGHT EL. POWER	NET WEIGHT	WEIGHT EL. POWER	NET WEIGHT	WEIGHT EL. POWER
AGA – 8 m	645 kg	1,1 kW	662 kg	1,5 kW	678 kg	1,5 kW
AGA – 10 m	724 kg	1,1 kW	743 kg	1,5 kW	789 kg	3,0 kW
AGA – 12 m	804 kg	1,5 kW	852 kg	3,0 kW	874 kg	3,0 kW
AGA – 14 m	883 kg	1,5 kW	934 kg	3,0 kW	958 kg	3,0 kW
AGA – 16 m	988 kg	3,0 kW	1015 kg	3,0 kW	1043 kg	3,0 kW
AGA – 18 m	1067 kg	3,0 kW	1097 kg	3,0 kW	1136 kg	4,0 kW
AGA – 20 m	1146 kg	3,0 kW	1178 kg	3,0 kW	1221 kg	4,0 kW
AGA – 22 m	1224 kg	3,0 kW	1268 kg	4,0 kW	1319 kg	5,5 kW
AGA – 24 m	1303 kg	3,0 kW	1350 kg	4,0 kW	1404 kg	5,5 kW
AGA – 26 m	1381 kg	3,0 kW	1432 kg	4,0 kW	1489 kg	5,5 kW
AGA – 28 m	1460 kg	3,0 kW	1513 kg	4,0 kW	1573 kg	5,5 kW
AGA – 30 m	1539 kg	3,0 kW	1609 kg	5,5 kW	1758 kg	7,5 kW

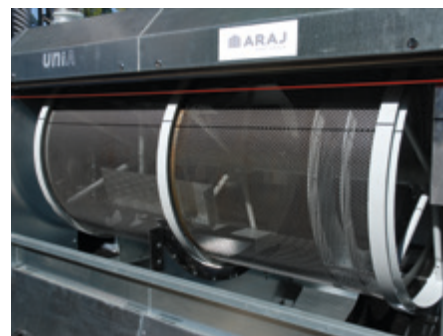
SUN

Drum cleaners for preliminary and thorough cleaning of all types of grain.



STANDARD ACCESSORIES

- » aspiration chamber
- » fan with a cyclone
- » cleaner body (2 or 3 sections)
- » a set of screens (2 or 3 pcs.)
- » electrical cabinet



Body with two or three screen sections is responsible for proper cleaning



Aspiration chamber with cyclone blows away dust, dirt and small impurities

MODEL

SUN 20

PRICE

10 900

SUN 40

13 000

ACCESSORIES AT EXTRA CHARGE

Screen/[pcs.]	220
Supporting structure with platforms – height 3.5m	4 240
Moving platform height 1,46m	950

ARRIVAL OF UNIA ARAJ REALIZACJE SPECIALISTS TO PERFORM THE INSTALLATION, SUPERVISION OR LAUNCHING AFTER AGREEMENTS WITH THE CLIENT.

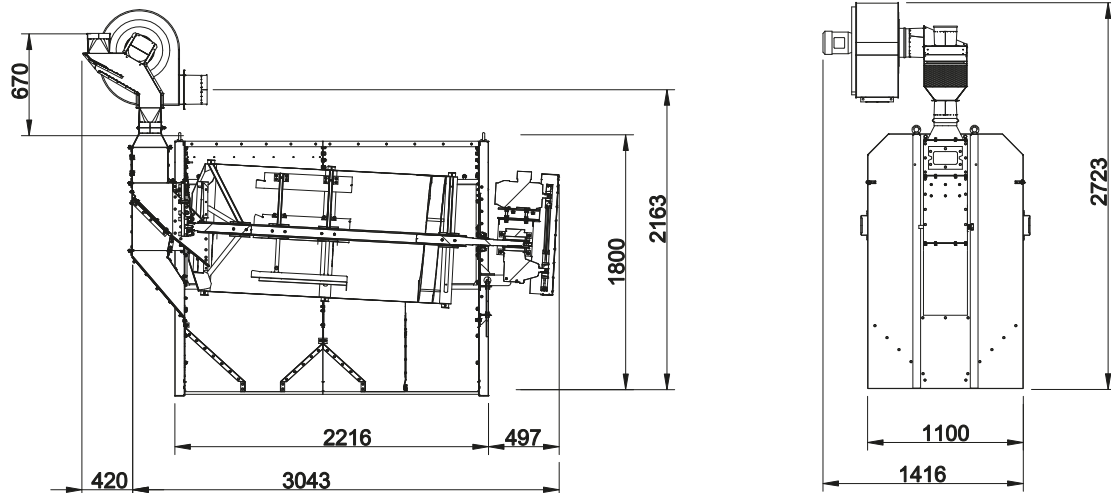
INVESTOR'S TASKS/ EXTRA CHARGED SERVICES (NOT INCLUDED IN THE DRUM CLEANER PRICE):

- » provision loading and collection of grain from the elevator
- » supply electrical power to the cleaners

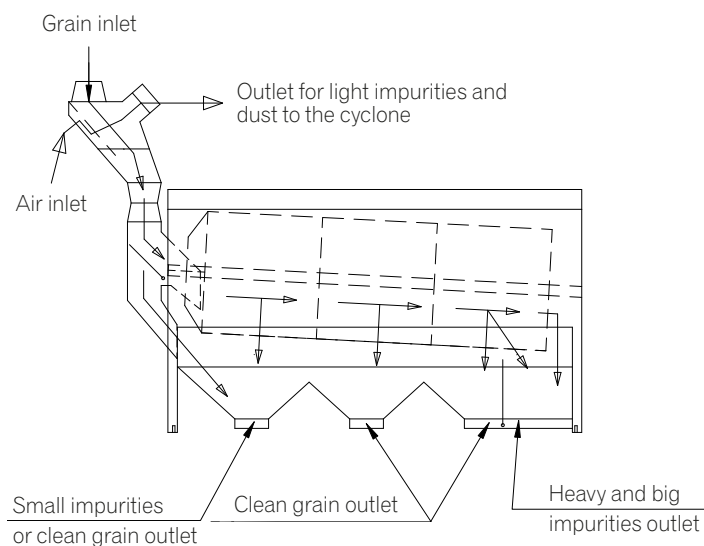
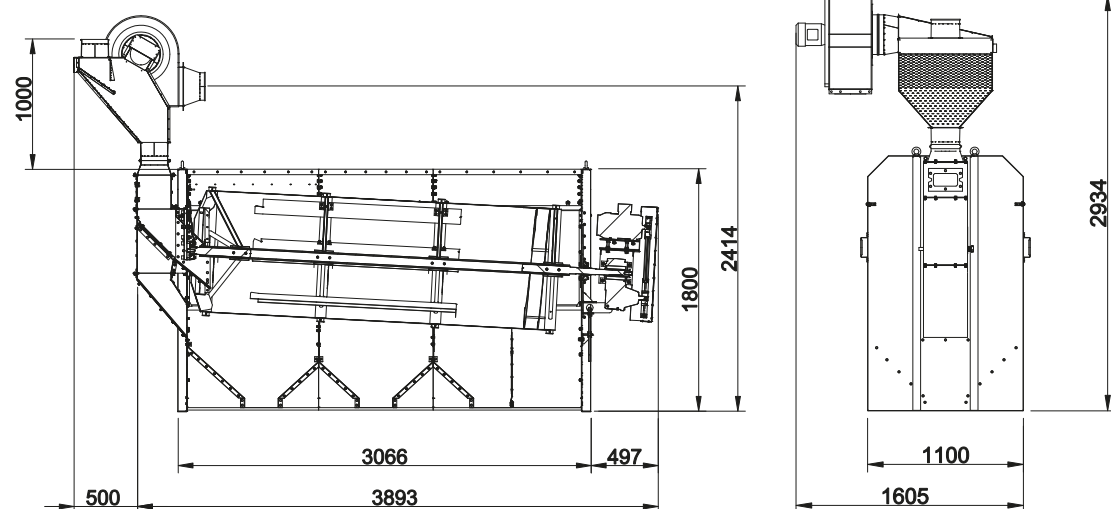
SUN		20	40
Pre-cleaning capacity 1) [t/h] ¹⁾		20	40
Sieve area [m²]		5,0	7,5
Electric power demand [kW]	main drive	2,2	2,2
	fan	0,75	3,0
Air flow, fan [m³/h]		1440	4176
No. of sieves [pc.]		2	3
Dimension [m]	length	3,50	4,40
	width	1,40	1,60
	height	2,70	2,80
Weight [kg]		1005	

¹⁾ Capacity is given for wheat with humidity of 15% does not contain more than 2% impurities. Capacity is decreased with thorough cleaning

DIMENSIONS OF SUN 20 CLEANER

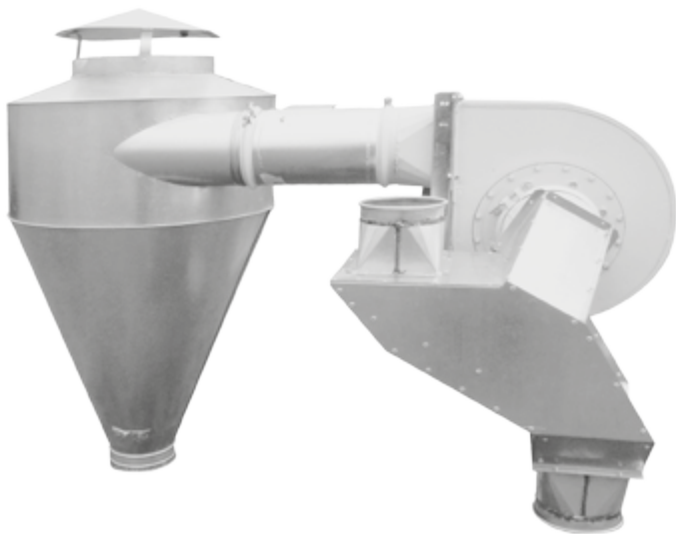


DIMENSIONS AND DIAGRAM OF SUN 40 CLEANER



CUG

Dust and chaff aspirator for separation of small impurities, dust and dirt from the cereal, rapeseed, maize and other grain.



STANDARD ACCESSORIES

- » body of the aspirator – right
- » fan
- » regulator – draft throttle
- » cyclone – right with a roof
- » rack
- » switch with a plug



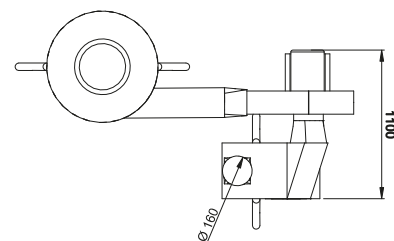
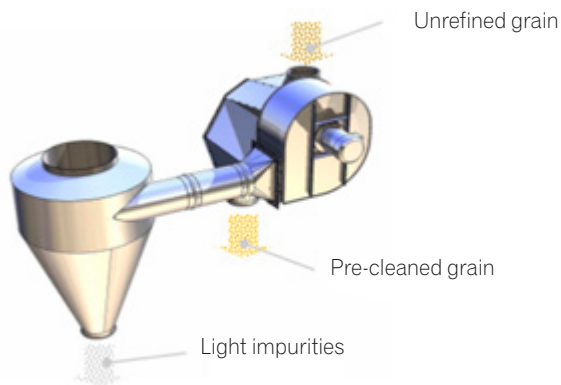
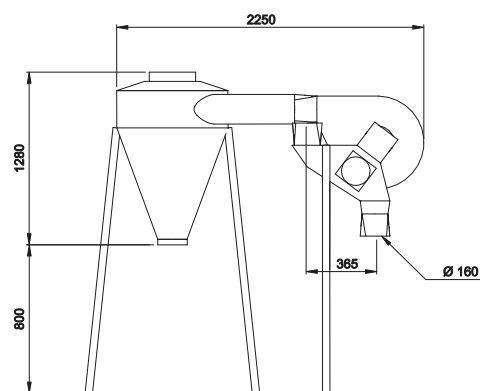
Dust and chaff aspirator may be used as an independent device or installed in the grain transporting systems.

MODEL

CUG 30

PRICE

1 950



TYP	CUG 30
Flow capacity 1) [t/h]	30
Electric power demand [kW]	0,75

¹⁾ Capacity is given for wheat with humidity of 15%

