



Reliable Fartner

AGRICULTURAL TRACTORS AND MACHINERY





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ursus AGRICULTURAL TRACTORS



- √ 6- cyl. SISU EURO IIIB engine
- ZF transmission,
- 40x40 gearbox with power shuttle,

power shift and creeper

- Carraro front axle
- EHR hydraulic lift
- / lift capacity of 7000 kg
- comprehensive equipment
- air conditioning

URSUS 15014 Technical data ENGINE [brand and model] SISU 66AWI EURO IIIB Engine type turbocharged with intercooler Power [ISO 14396] kW/HP at rev./min. 111 / 148 - 2200 Max. torque, Nm at rev/min. 580 / 1500 Capacity [cm3] / number of cylinders 6600/6 Air filter two-stage, dry type with contamination sender Fuel tank capacity, I 180 TRANSMISSION Clutch multiplate, wet type Gearbox ZF, 40 x40, with power shuttle, power shift and creeper Rear axle ZF, with mechanical differential lock and planetary hubs Front axle Carraro with electro-hydraulic differential lock and planetary hubs Maximum speed, km/h 40 POWERT TAKE-OFF (PTO) IPTO, 540/540ECO/1000/1000ECO, engaged hydraulically Type PTO / engine speed, rev./min. 540/2200-1190, 1000/2200-EC0/1600 HYDRAULIC LIFT SYSTEM **Functions** EHR (draft and position control) Pump capacity, I/min 120 Nominal pressure, MPa 20 Lift capacity, kg 7000 External hydraulics spool valves four (8 quick-couplings) Three-point linkage system cat. 3 STEERING SYSTEM hydrostatic **BRAKING SYSTEM** wet, disc type, hydraulically actuated Service brake mechanical, hand actuated Parking brake WHEELS AND TREADS Front/rear wheels 480 / 70R28 / 580/70R3 Front/rear treads, mm 1860 / 1770 std. HITCHES [std.] upper hitch, Piton-fix, drawbar and front hitch CABIN comfortable, two-door Basic equipment heating and air conditioning, front and rear worklamps DIMENSIONS Length / width / height/, mm 4720 / 2440 / 2900 Ground clearance, mm 400 Weight without ballast weights, kg 6900 Front / rear ballast weights, kg to requirements STANDARD EQUIPMENT trailer air braking system OPTIONS

URSUS 11034



- PERKINS EURO IIIB engine
- Carraro transmission
- 24x24 gearbox with synchroshuttle
- Carraro front axle
- lift capacity of 4500 kg
- rgonomic cabin
- Scharmüller hitch

URSUS 11024

- PERKINS EURO IIIA engine
- Ursus Hema transmission
- Carraro front axle
- Ift capacity of 4400 kg
- ✓ ergonomic cabin



Technical data	/ URSUS 11034	/ JURSUS 11024		
ENGINE [brand and model]	PERKINS 854E EURO IIIB	PERKINS 1104D EURO IIIA		
Engine type	turboo	harged		
Power [ISO 14396] kW/HP at rev/min.	83 / 113 - 2200	81 / 110 - 2200		
Max. torque, Nm at rev./min.	450 / 1600	416 - 1400		
Capacity [cm³] / number of cylinders	3400 / 4	4400 / 4		
Air filter	two-stage, dry type with cont			
Fuel tank capacity, I	18	0		
TRANSMISSION	Carraro	Ursus - Hema		
Clutch	two-disc, dry type with independent PTO clutch control	single-disc, dry type		
Gearbox	24x24, with synchroshuttle	12 x 4, synchronized		
Rear axle	with hydraulic differential lock and planetary hubs			
Front axle	Carraro with electro-hydraulic differ			
Maximum speed, km/h	4			
POWERT TAKE-OFF [PTO]				
Type	IPTO 540 / 540 ECO	IPTO 540 / 1000 engaged hydraulically		
PTO / engine speed, rev./min.	540 / 1893, 10			
HYDRAULIC LIFT SYSTEM	0 10 / 1000, 10	55 / 1555		
Functions	EHR (draft and position control)	draft, position and response control		
Pump capacity, I/min	6			
Nominal pressure, MPa	19	18		
Lift capacity, kg	4500	4400		
External hydraulics spool valves	three [six quick-couplings]	two [four quick-couplings]		
Three-point linkage system				
STEERING SYSTEM	cat. 2 hydrostatic			
BRAKING SYSTEM	nyurc	ascacio .		
Service brake	wet, disc type, hydra	aulically actuated		
Parking brake	mechanical, h	•		
WHEELS AND TREADS	THECHANICAL, I	and accuated		
Front/rear wheels	(100/70 P0/I+ F00/70 P2/I	380/70 R24, 480/70 R34		
Front/rear treads, mm	420/70 R24; 520/70 R34			
HITCHES	upper hitch, Piton-fix, drawbar & front hitch	/ 1620 - 2325 upper hitch, drawbar and front hitch		
CABIN	comfortable, two	NAME OF THE OWN ASSESSMENT OF THE OWN ASSESS		
Basic equipment DIMENSIONS	heating, front and	ear worklarrips		
	unnn / ၁၁	nn / 275n		
Length / width / height / mm	4000 / 2200 / 2750			
Ground clearance, mm	380			
Weight without ballast weights, kg	4100			
Front ballast weights, kg	260 std / -			
STANDARD EQUIPMENT	trailer air bra			
OPTIONS	weights - 180kg, rear ballast weights - 200kg	front 3- point hitch, front PTO, 8 hydraulic quick- couplings, AC, front ballast weights - 180kg, rear ballast weights - 200kg		

URSUS

URSUS 10014T



available for sale soon

Technical data	URSUS 10014T [available for sale soon]
ENGINE [brand and model]	Deutz TCD 3.6 L4 Euro IIIB
Engine type	turbocharged with intercooler
Power [ISO 14396] kW/HP at rev/min.	77 / 105 - 2200
Max. torque, Nm at rev./min.	440 - 1600
Capacity [cm3] / number of cylinders	3600 / 4
Air filter	two-stage, dry type
Fuel tank capacity, I TRANSMISSION	125
Clutch	multiplate, wet type
Gearbox	32x32, with power shuttle and power shift
Rear axle	with electro-hydraulic differential lock and planetary hubs
Front axle	with conic hubs
Maximum speed, km/h	40
POWERT TAKE-OFF [PTO]	
Туре	IPTO, engaged hydraulically
PTO / engine speed, rev./min.	540 / 750 / 1000
HYDRAULIC LIFT SYSTEM	2 PA 4 PA 2 PA 2 PA 2 PA 2 PA 2 PA 2 PA
Functions	EHR (draft and position control)
Pump capacity, I/min	60
Nominal pressure, MPa	19
Lift capacity, kg	4300
External hydraulics spool valves	three [six quick-couplings]
THREE-POINT LINKAGE SYSTEM	cat. 2
STEERING SYSTEM	hydrostatic
BRAKING SYSTEM	nyuroscacio
and the second s	disc type, hydraulically actuated
Service brake	mechanical, hand actuated
Parking brake	mechanical, nano actuateo
WHEELS AND TREADS	000/70 00// //00/70 00//
Front/rear wheels	380/70 R24, 480/70 R34
Front/rear treads, mm	1750-2060 / 1536-2260
HITCHES	upper hitch, Piton-Fix, drawbar and front hitch
CABIN	safe, comfortable
Basic equipment DIMENSIONS	heating, AC
Length / width / height, mm	4500 / 2141 / 2718
Ground clearance, mm	400
Weight without ballast weights, kg	3980
Front ballast weights, kg	320
STANDARD EQUIPMENT	trailer air braking system
OPTIONS	rear ballast weights-320kg, automatic upper hitch , front three - point linkage system, beacon lamp, 1104D-44T EURO IIIA PERKINS engine

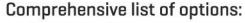
URSUS 10014H, 9014H, 8014H



Technical data	/ URSUS 10014H	/ / URSUS 9014H	/ / URSUS 8014H			
ENGINE [brand and model]		PERKINS 1104D EURO IIIA				
Engine type	turbocharged with intercooler turbocharged					
Power [ISO 14396] kW/HP at rev./min.	74,9 / 102 - 2200	68 /92 -2200	60,5/82-2200			
Max. torque, Nm at rev./min.	405- 1400	393 - 1400	345-1400			
Capacity [cm] / number of cylinders		4400/4				
Air filter		two-stage, dry type				
Fuel tank capacity, I		115				
TRANSMISSION						
Clutch	two-disc	dry type with independent P				
Gearbox		12 x 12 with synchroshu				
Rear axle		ulic control of differential lo				
Front axle	with autor	matic differential lock and pla	anetary hubs			
Maximum speed, km/h		40				
POWERT TAKE-OFF [PTO]						
Туре	inde	ependent with hand operated	PTO clutch			
PTO / engine speed, rev/min.		540 / 1890, 1000 / 2074				
HYDRAULIC LIFT SYSTEM						
Functions	draft	, position, response control a	ind Auto-Lift			
Pump capacity, I/min		55				
Nominal pressure, MPa		21				
Lift capacity, kg		4200				
External hydraulics spool valves		two [four quick-coupling	s]			
Three-point linkage system		cat. 2				
STEERING SYSTEM		hydrostatyczny				
BRAKING SYSTEM						
Service brake	w	et, disc type, hydraulically a				
Parking brake		mechanical, hand actuate	d			
WHEELS AND TREADS						
Front/rear wheels		340/85 R24 / 420/85 R34	4			
Front/rear treads, mm		1515 - 1715 / 1508 - 170	2011			
HITCHES	upper hitch,	Piton-fix, drawbar and front	hitch			
CABIN		comfortable, two-door				
Basic equipment	heating, AC, window in th		nps in the roof, assistant's seat,			
PINALIONO		front and rear wipers and sp	rayers			
DIMENSIONS						
Length / width/ height, mm	4220 / 2175 / 2760					
Ground clearance, mm	430					
Weight without ballast weights, kg		4300				
Front ballast weight, kg	CANCELL AND DESCRIPTION OF THE PROPERTY.	8 x 40				
STANDARD EQUIPMENT		em (single- and double line), p				
OPTIONS	,	front/rear wheels: 380/70 R24 rear ballast weights 4				

URSUS 5044 orchard tractor

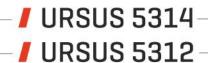
- PERKINS EURO IIIA engine
- 4WD Carraro transmission
- 12 x 12 gearbox with synchroshuttle
- lift capacity of 1300 kg
- 4- post cabin for excellent visibility
- front ballast weights



- trailer air braking system
- upper hitch + Piton-fix + drawbar
- air conditioning
- front mounted quick-couplings (4)
- beacon light



Technical data	■ URSUS 5044
ENGINE [brand and model]	PERKINS 1103D EURO IIIA
Engine type	naturally aspirated
Power [ISO 14396] kW/HP at rev/min.	36,9 / 50 - 2200
Max. torque, Nm at rev./min.	196 -1400
Capacity [cm³] / number of cylinders	3300 / 3
Air filter	two-stage, dry type with contamination sender
Fuel tank capacity, I	50
TRANSMISSION	
Clutch	two-disc dry type with independent PTO clutch control
Gearbox	Carraro, 12 x 12 with synchshuttle
Rear axle	with mechanical differential lock and planetary hubs
Front axle	with planetary hubs
Maximum speed, km/h	30
POWERT TAKE-OFF [PTO]	
Туре	IPTO 540/1000
PTO / engine speed, rev/min.	540 / 2069, 1000 / 2052
HYDRAULIC LIFT SYSTEM	
Functions	draft and position control
Pump capacity, I/min	39
Nominal pressure, MPa	18
Lift capacity, kg	1300
External hydraulics spool valves	two [four quick-couplings]
Three-point linkage system	cat. 1
STEERING SYSTEM	hydrostatic
BRAKING SYSTEM	
Service brake	wet, disc type, mechanically actuated
Parking brake	mechanical, hand actuated
WHEELS AND TREADS	
Front/rear wheels	7,5R16 / 320/85R28
Front/rear treads, mm	1110 / 1045 ;1250 / 1320
HITCHES	drawbar and front hitch
CABIN	4- post, comfortable, two-door type
Basic equipment	heating, front/rear worklamps, front and rear wipers and sprayers
DIMENSIONS	
Length / width / height, mm	3700 / 1300-1640 / 2350
Ground clearance, mm	330
Weight without ballast weights, kg	2420
Ballast weights, front/rear, kg	90 / -
STANDARD EQUIPMENT	
OPTIONS	trailer air braking system, upper hitch + Piton-fix + drawbar, air conditioning, front mounted quick-couplings [4], beacon light, front three-point linkage system





LOW SPECIFICATION URSUS TRACTORS

- URSUS engine
- 8x2 gearbox with epicyclic reduction unit
- lift capacity of 2500kg

Technical data	/ URSUS 5312 (2WD)	∥ URSUS 5314 (4WD)				
ENGINE (make & model)	URSUS 4390					
Engine type	diesel, naturally aspire	ed, direct injection, water cooled				
Power, kW / HP at rpm		at 2200				
Torque, Nm at rpm	261 at 1300 -	1500				
Swept volume, cm ³ / no. of cylinders	38	65 / 4				
Air filter	two-sta	age dry type				
Fuel tank capacity, L		75				
TRANSMISSION						
Clutch	dry, s	single disc				
Gearbox		picyclic reduction unit				
Rear axle		tial lock and planetary hubs				
Front axle	three section type	with planetary hubs				
Max. speed km/h	5-04-509-50-04-50-05-05-05-05-05-0-1-1-1-1-1-1-1-1-1-1	30				
POWER TAKE-OFF						
Туре	iPTO, eng	aged hydraulically				
PTO speed at engine speed, rpm		93, 1000 / 1900				
Shaft diameter, mm / No. of splines		35/6				
HYDRAULIC LIFT SYSTEM						
Function	draft, position	and response control				
Hydraulic pomp oil flow, I/min	**	22				
Nominal pressure, MPa		20				
Hydraulic lift capacity, kg		2500				
External hydraulics spool valves [std.]	single [2	quick couplings)				
Three-point linkage		Cat. 2				
STEERING SYSTEM	hy	drostatic				
Service brake	wet, disc type, mechanically	y operated together or independently				
Parking brake	mechanical	, hand actuated				
WHEELS & TREADS						
Front / rear wheels	7,5 - 16 / 16,9-34	12,4/11-24 / 16,9-34				
Front / rear treads, mm	1500-1820	0 / 1515-2200				
HITCHES	swingir	ng drawbar				
2-POST ROPS + SUNROOF	st	andard				
Equipment	rear worklamp, beacon warning light					
DIMENSIONS & WEIGHTS						
Length / Width / Height, mm	3893 / 1829 / 2640	3903 / 1829 / 2655				
Wheelbase, mm	2290	2300				
Ground clearance, mm	380	395				
Weight without ballast weights, kg	2815	3115				
Ballast weights, front – rear (opt.), kg	270 / -	280 / -				
OPTIONS	standard safety cab, rear w	eights, 12F + 4R gearbox				





FRONT AND REAR LOADERS

FRONT LOADERS

- easy loading and unloading of various materials
- fast and easy exchange of tools
- very useful in farm works
- easy coupling and uncoupling of the loader

Technical data

Nominal loading capacity, kg Maximum loading capacity, kg Lifting height, [A] m Height of unloading, [B] m Digging depth, [C] cm Crowd, [D]°

Dump, [E]°

Crowd, (F)°

Dump, [G] °

Suitable tractor horsepower, HP

Floating function of control valves

Control valves used in TUR loaders have, as a standard the "FLOATING" function which is extremely useful while working in a contact with the ground (gathering up with the bucket, snow plough operation, etc.). On an uneven ground the "floating" function protects the loader's tools from damage.

Control valves with the sensor line

Tractors which have piston pumps with the variable oil delivery [CCLS system] are fitted with control valves equipped with the sensor line especially adapted to the tractor's hydraulics. If the sensor line signalizes the demand for oil, then the pump supplies oil equivalently to the needs of the loader. The innovative solution has two advantages: it allows to use quick- couplings of external hydraulics for other applications and significantly reduces the energy needed to drive the hydraulic pump [fuel].

In-line oil supply

The possibility of connecting the oil supply directly to the main oil gallery in new types of tractors provides the following advantages:

- · increased comfort through faster and smoother movements of the loader,
- · longer life of the oil pump,
- use of quick- couplings of external hydraulics for other applications without disconnecting the oil supply to the loader's control valve.



TUR2	TUR2A	/ TUR4M	TUR4F	// TUR4	/ TUR6	TUR6A	/ / TUR8
500	500	500	800	1200	1650	1650	1650
1000	1000	1000	1300	1500	2150	2150	2150
2,8	2,8	2,7	3	3,3	3,3	3,6	3,9
2,4	2,4	2,1	2,5	2,8	2,8	3,1	3,4
16	16	16	18	16	16	16	16
50	50	60	50	50	50	50	50
45	45	44	44	44	55	55	55
40	40	45	45	45	28	28	28
55	55	52	96	96	95	95	95
35-60	35-60	35-60	35-60	35-60	45-85	70-160	115-180

Shock absorbing system

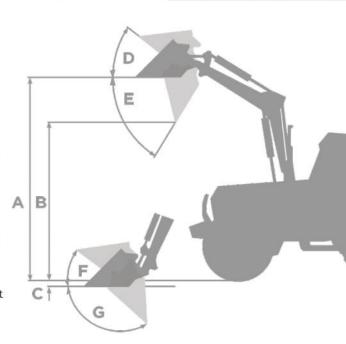
It reduces the risk of damage during the transportation of sensitive materials, increases comfort and protects the front suspension of the tractor against overloading.





Joystick

The electro-hydraulic set is operated by means of joystick installed in the most convenient and ergonomic place of the cab.



FRONT LOADER TOOLS

TUR 2, 2A, 4, 4M, 4F, 6, 6A, 8



	TUR2	TUR2A	TUR4/4F/4M	TUR6/6A	TUR8
Loose material bucket "I" 0.30 m3, width 1.1, 90 kg	0	0	0	0	0
oose material bucket "A" 0.46 m3, width 1.2 m, 175 kg	0	0	0	0	0
oose material bucket "A" 0.57 m3, width 1.5 m, 215 kg	0	0	0	0	0
oose material bucket "A" 0.69 m3, width 1.8 m, 260 kg	0	0	0	0	0
oose material bucket "A" 0.76 m3, width 2.0 m, 300 kg	0	0	0	0	0
oose material bucket "A" 0.83 m3, width 2.2 m, 320 kg	0	0	0	0	0
oose material bucket "A" 0.91 m3, width 2.4 m, 345 kg	0	O	0	0	0
Grain bucket "F" 1.1 m3, width 1.8 m, 370 kg	0	0	0	0	0
Grain bucket "F" 1.22 m3, width 2.0 m, 410 kg	0	0	0	0	0
Grain bucket "F" 1.34 m3, width 2.2 m, 450 kg	0	0	0	0	0
Grain bucket "F" 1.45 m3, width 2.4 m, 490 kg	0	0	0	0	0
otato bucket "P", 0.48 m3, width 1.1 m, 150 kg	0	0	0	0	0
Potato bucket "P", 0.79 m3, width 1.8 m, 245 kg	0	0	0	0	0
Potato bucket "P", 0.88 m3, width 2.0 m, 280 kg	0	0	0	0	0
otato bucket "P", 0.96 m3, width 2.2 m, 300 kg	0	0	0	0	0
oose material bucket "D" 1.94 m3, width 2.2 m, 580 kg	0	0	0	0	0
oose material bucket "D" 2.11 m3, width 2.4 m, 620 kg	0	0	0	0	0
oose material bucket "D" 1.45 m3, width 2.2 m, 540 kg	0	0	0	0	0
oose material bucket "D" 1.58 m3, width 2.4 m, 570 kg	0	0	0	0	0
oose material bucket "D" 2.06 m3, width 2.4 m, 940 kg	0	0	0	0	0
oose material bucket "D" 0.88 m3, width 2.0 m, 615 kg	0	0	0	0	0
oose material bucket "D" 0.97 m3, width 2.2 m, 60 kg	0	0	0	0	0
oose material bucket "A" 1.06 m3, width 2.4 m, 690 kg	0	0	0	0	0
arth bucket with teeth "H" 0.88 m3, width 2.0 m, 630 kg	0	0	0	0	0
arth bucket with teeth "H" 0.97 m3, width 2.2 m, 675 kg	0	0	0	0	0
Earth bucket with teeth "H" 1.06 m3, width 2.4 m, 705 kg	0	0	0	0	0
oose material bucket "G" 0.95 m3, width 2.2 m, 465 kg	0	0	0	0	0
oose material bucket "L" 0.24 m3, width 1.5 m, 115 kg	0	0	0	0	0
Bucket "K" 2,0m 0,56 m ³	0	0	0	0	0
Bucket "K" 2,0m 0,56 m ³	0	0	0	0	0
Bucket "ŁKP" 1,8 m	0	0	0	0	0
Bucket "O" 2,0m 1,98 m³	0	0	0	0	0
Bucket "W" 1,8m 1,2m³	0	0	0	0	0
Bucket "W" 2,0m 1,35m ³	0	0	0	0	0



buckets for loaders

	TUR2	TUR2A	TUR4/4F/4	M TUR6/6A	TURE
"Krokodyl"- type silage grab, 1-cylinder, 1.1 m	0	0	0	0	0
"Krokodyl" - type silage grab, 1-cylinder, 1.4 m, 250 kg	0	0	0	0	0
"Krokodyl" - type silage grab, 1-cylinder, 1.6 m, 290 kg	0	0	0	0	0
"Krokodyl"- type silage grab, 2-cylinder, 1.6 m, 320 kg	0	0	0	0	0
"Krokodyl"- type silage grab, 2-cylinder, 1.8 m, 350 kg	0	0	0	0	0
"Krokodyl"- type silage grab, 2-cylinder, 2.0 m, 370 kg	0	0	0	0	0
"Krokodyl"- type silage grab, 2-cylinder, 2.2 m, 410 kg	0	0	0	0	0
"Krokodyl" - type silage grab, 2-cylinder, 2.4 m, 450 kg	0	0	0	0	0
"Krokodyl" - type silage grab with bucket, 1.4 m, 1-cylinder 330 kg	0	0	0	0	0
"Krokodyl" - type silage grab with bucket, 1.6 m, 1-cylinder 360 kg	0	0	0	0	0
"Krokodyl"- type silage grab with bucket, 1.6 m, 2-cylinder 390 kg	0	0	0	0	0
"Krokodyl"- type silage grab with bucket, 1.8 m, 2-cylinder 430 kg	٥	0	0	0	0
"Krokodyl"- type silage grab with bucket, 2.0 m, 2-cylinder 450 kg	0	0	0	0	0
"Krokodyl" - type silage grab with bucket, 2.2 m, 2-cylinder 480 kg	0	0	0	0	0
"Krokodyl" - type silage grab with bucket, 2.4 m, 2-cylinder 520 kg	0	0	0	0	0
Grab for foil - wrapped silage bales, 1.0 m – 1.4 m, 170 kg	0	0	0	0	0
Grab for foil - wrapped silage bales, 0.9 m – 1.8 m, 240 kg	0	0	0	0	0

	TUR2	TUR2A	TUR4/4F/4M	TUR6/6A	TURE
Adjustable pallet fork, 1600 kg, 145 kg	0	0	0	0	0
Fork for manure and straw bales, width 1.1 m, 125 kg	0	0	0	0	0
Fork for manure and straw bales, width 1.4 m, 140 kg	0	0	0	0	0
Fork for manure and straw bales, width 1.6 m, 150 kg	0	0	0	0	0
Fork for manure and straw bales, width 1.8 m, 160 kg	0	0	0	0	0
Fork for manure and straw bales, width 2.0 m, 170 kg	0	0	0	0	0
Fork for manure and straw bales, width 2.2 m, 180 kg	0	0	0	0	0
Fork for manure and straw bales, width 2.4 m, 190 kg	0	0	0	0	0
Tine for straw bales	0	0	0	0	0
Tine for manure - new "Z"-type	0	0	0	0	0
Tine for manure – TUR2, TUR2A	0	0	0	0	0
Big-bag lifter	0	0	0	0	0
Square bale fork	0	0	0	0	0
Arm-mounted snow plough, 130 kg / 310 kg	0	0	0	0	0

	TUR2	TUR2A	TUR4/4F/4M	TUR6/6A	TURE
Multi-coupler	0	0	0	0	0
Pallet forks WP16-U 1600 kg	0	0	0	0	0
Fork for wood WP16-CH 1600 kg	0	0	0	0	0





Big grab for silage bales

Small grab for silage bales





"Krokodyl" - type silage grab with bucket

"Krokodyl" - type silage grab





Manure and straw bales fork

Square bale fork



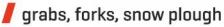
Pallet fork

Snow plough



Pallet fork





Big Bag carrier

■ TABLES OF FRONT LOADER SELECTION

TUR 2,2A, 4, 4M, 4F, 6, 6A, 8

	TUR 2/2A
MASSEY FERGUSON	235, 255, 2812, 3512
URSUS	C-330, C-360, C-360 3P, C-355
POWER TRACK	E-450, E-450 (nowy przód, wspomaganie)
ESCORT	E-335
WŁADYMIREC	T-25, T-30

	TUR 4
URSUS	4512, 4514, 5312, 5314, 6012, 6014, 5714, 5024 (j), 6024 (j)
ZETOR	5945, 6245, 7011, 7045, 7211, 7245, 7711, 7745, 5211, 5245 (j)
	3320, 3340, 4320, 4340, 5320, 5321 Super, 5340,
	5341 Super, 6320, 6340, 7320, 7340, 7341
	6421, 6441, 7421, 7441, 8421, 8441
	Proxima, 7245, Proxima 85 Plus
SAME	ROLLER 55 W (j), 70 W (j), Dorado 66 Classic (j)
	ROLLER 50 DT, 60 DT, 70 DT (j)
LAMBORGHINI	LAMPO 50 DT, LAMPO 60 DT, LAMPO 70 DT(j)
	LAMPO 70 W, 55W, R2.66 Target (j), CRONO (j)
	R2.56 (j), R2.76 Target (j), R2. 86 Target (j)
DEUTZ FAHR	Agroplus 77 DT (j), 87 DT (j), 87 ITV DT (j)
	Agroplus 70 (j), 80 (j), 67 (j), 60 (j)
LANDINI	REX 70 DT (j), REX 85 F (j)
NEW HOLLAND	TD 60 D (j), TD 70 D (j), 7056 Bis *** (j), 7056 *** (j), TL 80 (j),
	5556 Bis *** (j), TD 5010 (j), TD 5020 TIER III (EURO III) (j)
FARMTRAC	70 (j), 70 4 WD, 665 (j), 80 (j), 675 DT (j). 670 DT
JOHN DEERE****	5310, 5410 (j), 5515 (j)
POL-MOT	FOTON 824 (j), FOTON 904 (j)
CASE	JX 60 (j), JX 70 (j), 65C Quantum (j)
	JX 60 (j), JX 70 TIER III (EURO III) (j)
URSUS	8014 H (j)
KUBOTA	M6040 (j), M7040 HS (j)

TUR 4F

DI 60 (j)				
555DT (j), 545DT (j)				
ME 5700 (j)				
FOTON 604 (j), 704 (j)				
	555DT (j), 545DT (j) ME 5700 (j)			

TUR 4M

DONG FENG	DF 504 (j)	
NEW HOLLAND	TT 65 (j)	

	TUR 6
URSUS	7524, 5524, C-385, C-385A, 902, 904, 914, 932 (j), 934 (j), 1012, 1014, 1032 (j), 1034 (j), 1132(j), 1134 (j), 1044 (j)
ZETOR	8045, 8145, 8011, 8245, 9540 (j), 10540 (j), 8540 (j)
BIAŁORUS	920, 820
PRONAR MTZ	80, 80A, 82A, 82 TS (j), 82 TSA (j), 82 SA (j), BX 205
NEW HOLLAND	TD 80 D (j), TD 85 D (j), TD 90 D (j), TD 95 D (j), TD 95 D (j) Plus, TL 90, TL 100, TL 90 A, TL 100A, T 5060 (j), T 5050 (j), T 5030 (j), TD 5050 (j), TD 5040 (j), 80-66 S ***, TD 5030 TIER III (EURO III) (j) T 4050 DE LUXE
LAMBORGHINI	GRAND PRIX 70 (j), 80(j), 90 (j), 95 (j), LS 774-80 (j), GRAND PRIX 95 TARGET (j), PREMIUM 950 (j), PREMIUM 1050 (j) R4.95 DT, R4.110 DT (j)*
SAME	SILVER 100.4 (j), SILVER R4.110 (i). EXPLORER 90 (j), LASER 90 (j)
KUBOTA	ME 9000 (j), 8200 (j), M9540 (J)
LANDINI	GHIBLI DT 100 (j), MYTHOS DT 90 (j), DT 100 (j)
JOHN DEERE ****	6010 (j), 6210 (j), 6310 (j), 6410 (j), 6100, 6200, 6300, 6400, 6120 5070M, 5080M, 5090M, 5100M, 5620, 5720, 5820, 6120, 6220, 6230 Basic, 6420, 5080R, 5090R, 5100R, 6320, 6420, 3400
CASE	CS 94 (j), JX 100 U (j), JX 80 (j), JX 1100U, JX 1070U, JX 1080U, JX1090U, JXU 105, JXU 75, JXU 85, JXU 95, JX 95 (j), JX 90, JX 80 TIER III (EURO III) (j), JX 85 C Quantum (j)
MC CORMICK	CX 90 (j), CX 100 (j)
FARMER	8244 C2 (j)
DEUTZ FAHR	AGROTRON 100 (j), AGROTRON K 100 (j), K420, AGROPLUS 100 (j) AGROPLUS 95, DX 4.30 , DX 4.7
VALTRA	A95 - 4 (j), A85 (j), A92
FORD	7740
MASSEY FERGUSON	375, 390, 3065 S
URSUS	9014 H,
FARMTRAC	685 DT

TUR 6A

MASSEY FERGUSON	3080 (j), 3060, 4455, 3115	
NEW HOLLAND	TS 110 A (j), TS 100 A (j), T6010 Plus (j), T6010 Delta (j)	
	T6020 Plus (j), T6020 Delta (j), T6020 Elite	
CASE	110 Maxxum, 120 Maxxum, 130 Maxxum	
	CS95 PRO, CS85 PRO, CS105 PRO	
JOHN DEERE ****	5620, 5720, 5820, 6120, 6220, 6320, 6420 (j)	
PRONAR MTZ	1025 (j), 1025 A II (j),	
FENDT	310 LSA FARMER (j)	
LAMBORGHINI	R3 EVO 85 DT, 100 DT	
DEUTZ FAHR	AGROFARM 85, 95 DT, 100 DT (j), 410, 420 DT, 430 DT	
SAME	EXPLORER R3 85,100 (j)	
URSUS	10014 H, 11024	
VALTRA	N82, N92,	
RENAULT	355X Ceres	
CLAAS	Axos 320	
ZETOR	9641 Forterra (j), 10641 Forterra (j), 11441, Forterra (j)	
	9641, 10541, 10641	

TUR 8

URSUS	1201, 1204, 1212, 1214, 1222, 1224, 1232 (j), 1614
	1634 (j) nowa maska **, 1234, 1434 (j), 1634 (j), 1734 (j)
ZETOR	16245, 11741 Forterra (j), 12045, 12111, 12145, 12245
NEW HOLLAND	85-60 (j), TM 120, TM 125 (j), TM 130 (j), TM 135 (j),
	TM 140 (j), TM 155 (j), TM 165 (j),110-90 (j),
	TS 115 A DELTA (j), TS 135 A PLUS (j),
	T6050 Plus (j), T6050 RC (j), T6070, T6070 Plus, T6030 Delta *
CASE	115 Maxxum, 125 X Line Maxxum (j), MXU 135 Pro,
	140 Maxxum (j), CS 150 (j) 5130 (j)
FORTSCHRITT	ZT 323 A/M, ZT 303 A/M ***
JOHN DEERE ****	3650 (j), 3050 (j), 6610 (j), 6710 (j), 6810 (j), 6910 (j), 6600,
	6700, 6800 (j), 6520 (j), 6620 (j), 6720 (j), 6820 (j), 6920, 3140
LANDINI	LEGEND DT 105 (j), DT 130 (j), DT 145 (j), LEGEND DT 120 (j)
SAME	LASER 150, SILVER 130, SILVER 100.5, 100.6, 105
LAMBORGHINI	PREMIUM 1060 (j), R4.105 (j), PREMIUM 1300 (j),
	R5.115 (j), R5.130 (j), R6.110 (j)
MASSEY FERGUSON	6290 (j), 3115, 5465 (j)
VALTRA	N 91 (j), N 101(j), N 111(j), 6200 (j), 6400,
	T 140 - 4 (j), T 140 - 4 (j) *
DEUTZ FAHR	AGROTRON K 110, AGROTRON 105 MK3 (j),
PRONAR	118 (j), AGROTRON 130, DX 90
	1221 A II (j), 1221 A (j), 1221 A (j) TUZ
FENDT	311 LSA FARMER, 312 LSA FARMER (j), 612
RENAULT	610 ARES (i)



I TELESCOPIC AND FRAME LOADER TOOLS





Tools for telescopic and frame loaders up to 3.5 t of loading capacity

GRAB FOR BALES	size [m]	weight [kg]	
Grab for foil wrapped bales	0,9 - 1,8	240	

BUCKETS WITH ROUND BOTTOM FOR LOADERS	size [m]	weight [kg]	capacity [m³]
Bucket "J"	2,4	940	2.06
Bucket "H"	2,0	615	0,88
Bucket "H"	2,2	660	0,97
Bucket "H"	2,4	690	1,06

GRABS FOR LOADERS	size [m]	weight [kg]	capacity [m³]
"Krokodyl"-type grab, 2 cylinders	1,8	500	1,35
"Krokodyl"-type grab, 2 cylinders	2,0	560	1,50
"Krokodyl"-type grab, 2 cylinders	2,2	610	1,65
"Krokodyl"-type grab, 2 cylinders	2,4	670	1,80
"Krokodyl"-type grab with bucket, 2 cylinders	1,8	530	1,44
"Krokodyl"-type grab with bucket, 2 cylinders	2,0	610	1,60
"Krokodyl"-type grab with bucket, 2 cylinders	2,2	690	1,76
"Krokodyl"-type grab with bucket, 2 cylinders	2,4	770	1,92
"Krokodyl"-type grab with scrap bucket, 2 cylinders	1,8	830	1,62
"Krokodyl"-type grab with scrap bucket, 2 cylinders	2,1	950	1,89

BUCKETS WITH STRAIGHT BOTTOM FOR LOADERS	size [m]	weight [kg]	capacity [m³]
Bucket "D"	1.8	500	1.58
Bucket "D"	2.0	540	1.76
Bucket "D"	2.2	580	1.93
Bucket "D"	2.4	650	2.11
Bucket "E"	1.8	500	1.18
Bucket "E"	2.0	520	1.32
Bucket "E"	2.2	540	1.45
Bucket "E"	2.4	560	1.58
Bucket "F"	1.8	830	1.62
Bucket "F"	2.1	950	1.89
Bucket "G"	1.8	335	0.77
Bucket "G"	2.0	380	0.86
Bucket "G"	2.2	425	0.94
Bucket "G"	2.4	465	1.03







"Krokodyl" -type grab with bucket



"Krokodyl" - type grab with scrap bucket

FRONT AND REAR LOADERS,

Technical data

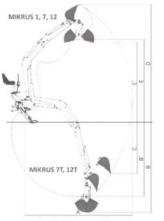
/ MIKRUS

MIKRUS

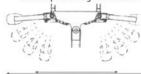
- safe and easy operation
 robust and reliable design
- wide spectrum of options
- easily exchangeable tools
- hydraulic supports enabling stable positioning on uneven ground

Maximum digging	ı
reach (A), mm	T
Maximum digging depth	ı
with grab (B/B1), mm	T
Maximum vertical	١
digging depth (C), mm	T
Maximum digging depth	ı
(D), mm	T
Maximum unloading height	
(E/E1), mm	I
Turning angle	
Bucket cutting force, kg	I
Arm cutting force , kg	
Maximum lift capacity, kg	
Working pressure, bar	ı
Oil pump output	
at 430-450 rpm of PTO , I/min	
Weight with standard bucket, kg	
Min, tractor horsepower, kW/HP	ı

	1	/	/1	15	151
	3835	4100	4580	4600	5235
ith					
	1800	3050/2350	3590/2890	3550/2850	4200/3550
1	1500	1700	2150	1900	2600
ith					
	4175	4455	4720	4950	5320
eight					
	2750	3225/2870	3510/3250	3590/3240	3959/3610
			180°		
kg	1300	19	960	28	300
	800	1120	1180-870	1670	1790-1050
, kg	350	600	630-450	765	780-550
			160		
0 , I/min	23	m	in. 34	mir	n. 45
bucket, kg	350	690	740	850	920
er, kW/HP	22/30	30,	/40	44/	60



Hydraulically lowered supports with a span change mechanism



1400 ÷ 2600 mm MIKRUS 7, 7T

1600 + 3700 mm MIKRUS 12, 12T

2750 mm MIKRUS 1



MIKRUS-series of back-hoe loaders are mounted on a three-point linkage of a tractor. They are intended for various loading and unloading operations, transport of loose and volumetric materials, as well as for carrying out various earthworks on farms.

Since there are many types of this machine and various tools, the machine can be fitted with the needed tool easily.



back-hoe loaders

MIKRUS 1, 7, 7T, 12, 12T

T-214 CYKLOP

Type of loader Minimum tractor horsepower, kW/HP Pump efficiency at 430/450, PTO rpm I/min Pressure in hydraulic system, MPa Supports

Maximum lifting capacity:

- at the end of boom (with the bucket weight), N(kg)

Bucket weight, kg

Bucket capacity, dm

- loose materials
- manure

Turning angle of boom in the horizontal plane

Maximum lifting height with bucket for loose materials, mm

Maximum reach with bucket for loose materials, mm

Minimum reach with bucket for loose materials, mm

Maximum lowering depth with bucket for loose materials, mm

Overall dimensions:

- height (with boom lowered), mm
- length (with boom in horizontal position), mm
- width, mm

Loader weight (with empty counterweight tank), kg

Counterweight weight, kg

Driving speed, km/h

Cyklop grab type loader is intended for loading and unloading materials like sand, gravel, mineral fertilizers, lime and manure. Buckets for loose materials and manure are standard equipment.



35/48

150

240 370

270°

4000

4750 2430

1260

2210

7500

2333

750

up to 15

1690

40 10 T-214 CYKLOP reliable safe and easy in operation

SNOW PLOUGH

see page 46



trailed grab type loader

Z-554 RAKE

- removable finger arms
- 4 wheel tandem suspension
- high output and low tractor power demand
- three-point jointed rack
- fexible swath apron
- reliable and durable gearbox

Number of working rotors	1
Number of rotor arms	9
Number of raking fingers on each arm	4
Working width, m	3.5
Overall dimensions in working	
position:	
total length x maximal width x height, m	3,3 x 3,6 x 1,3
Overall dimensions in transport	
position:	
total length x maximal width x height, m	2,5 x 1,5 x 2
Weight, kg	400
Height adjustment	yes
PTO speed, rpm	540
Min. tractor horsepower, kW/HP	15 / 20
7.00 P. 10 C. 10 C	

Technical data

The rake is designed for raking freshly mown, semi-dry and dry grass and other green fodder (lucerne, clover, cereals mixed with leguminous plants) into lengthwise windrows, prepared for gathering with the use of swath pickers, balers or forage harvesters.

The Z-554 rotary rake can be used on soft land [arable land, meadows], on flat land as well as on even hilly ground up to 12% of slope.



Dimensions: length x width x height, mm 3535 x 2450 x 2100 3815 x 2450 x 2200	
length v width v height mm 3535 v 2450 v 2100 3815 v 2450 v 2200	
IEIIQUI A WIGUI A IIEIQIIG, IIIIII 3333 A E 730 A E 100 3013 A E 730 A E 100	
Weight, kg 2090 2770	
Transport speed, km/h 20	
Bale dimensions, mm 1200 x 1200	
Weight of straw bale, kg 100 - 170	
Weight of hay bale, kg 150 - 270	
Weight of green fodder baie, kg 300 - 1000	
Output: num. of bales per hour. 20 - 35	
PTO speed, rpm 540	
Min. tractor horsepower, kW/HP 35 / 48 60 / 82	
Wheel track, mm 2100	
Tire size 400/60 15,5 14PR	
Load on tractor hitch, kN/kg 3,7 (380) 4,3 (450)	
Pick-up working width, mm	
Options net wrapping mechanism, central -	
chain, lubrication system	
jointed telescopic shaft	

ROUND BALERS

- proven and simple design high efficiency and degree of compaction
- uniformly cut material (Z-594)
- production of high quality silage
- failure-free operation in the harsh conditions

The Z-543 and Z-594 round balers are intended for baling straw material (up to 25% moisture) from 1900 mm wide windrows and dry off green fodder [up to 40-60% moisture] intended for hay silage. The material is rolled into bales of 1200 mm diameter. Unlike Z-543 baler, the Z-594 model has a rotor with cutting system [14-knifes] ensuring uniform ensilage and better digestion quality of the feed. Bales made by Z-543 baler are bound with string as standard; optionally they can be bound with a net. Z-594 baler is provided with a net binding system only. Both balers are equipped with acoustic and light indicators signaling filling up of a chamber. The round balers are fully suited for road transport.



chainslats round balers

for straw materials and green fodder

rollers and chainslats round balers

for green fodder and straw materials

Technical data

Z-586 BALE WRAPPING MACHINE

- front bale loading system
- bale wrapping while driving
- the wrapper follows the round baler
- 750mm wide foil saves the wrapping time
- bale layer mounted as a standard solution

The Z-586 bale wrapper is a modern, trailed machine which helps to use the work time to the very maximum by using a front bale loading system while following the baler. The machine operator is not wasting time on maneuvering the whole set, directing the wrapper on a bale, driving perpendicularly to the direction of the baler. Bales can be wrapped on the move. The wrapper is provided with a bale layer for smooth bale discharge, allowing to operate on slopes. The loading arm easily picks up bales of up to 1000 kg of weight. The use of 750mm wide foil saves the wrapping time; to apply 4 layers of foil the bale must be wrapped 16 times only and not 24 times like with 500 mm wide foil. The effective wrapping time is reduced by approx. 33 %. The setting of drawbar from working to transport position and vice versa is hydraulically controlled. All the wrapper functions are automatically controlled from the tractor cabin. The wrapper is fully suited for the road transport.

Wrapping machine drive	hydraulic motor
Min. tractor horsepower, kW/HP	35 / 48
Diameter of wrapped bales, mm	up to 1500
Max. bale width, mm	1200
Max. bale weight, kg	1000
Overall dimensions:	
length x width x height, mm	4300 x 2200 x 1430
Weight, kg	1200
Foil width, mm	500, 750
Wrapping counter	electronic
Tyre size	11.5/80- 15,3
Option	400/60-15,5 tyres



Max. bale weight - 1000kg

Weight, kg	620	Max. height of ensilage heap, cm	140
Length, mm	1700	Block volume, m. 3	0,8
Working width, mm	1930	Max. weight of block, kg	1000
Height, mm	1750	Machine weight, kg	410
Min, tractor horsepower, kW/KM	15-20/20-27	Length/width/height, m 1,22/1,5	2/0,90

Round bale unwinding machine is intended for unwinding bales of straw and hay, as well as silage bales wrapped in foil, directly in the feeding passage or other places appropriated for the purpose.

The machine is of mounted type. It has a hydraulically controlled loading arm for easy loading of a bale on to the machine. The bale is discharged on to a slat conveyor. Correctly selected speed quarantees uniform unloading along the whole length of the feeding passage. The machine needs one operator only. The use of H-920 round bale unwinding machines in modern breeding farms considerably accelerates and facilitates the feeding process.



H920 BALE UNWINDING MACHINE

hydraulic loading uniform discharge along the feeding passage accelerates the process of feeding

T385/1 SILAGE BLOCKCUTTER

- the ability to store silage blocks on the feeding passage even for a few days
- simultaneous feeding of several types of silage
- the possibility of individual dispensing of the feed both in quantity and kind

T385 series silage blockcutters are intended for cutting any type of silage blocks from heap silos and transporting the blocks into cowsheds.

The machines are mounted directly on the tractor three point hitch or on a front loader and the external hydraulic system should be equipped with two quick-couplings.



max. height of ensilage heap-140 cm



T-127 SELF-LOADING BALE TRAILER

proven and durable design loading and unloading control from the tractor cab

Load capacity, kg	3600, 8 bales
Weight, kg	2620
Minimum tractor horsepower, kW/HP	50/68
Loading area, m ²	12,4
Overall dimensions:	
length x width x height, mm	6355 x 2550 x 2985
Internal dimensions of the load carrying body:	
length x width, mm	5100 x 2435
Bale dimensions:	
- diameter, mm	1200-1750
- length, mm	1200
Maximum bale weight, kg	1200
Tyre size	400/60-15.5 14PR
Unloading	backwards by 91°
Travelling speed, km/h	25
Load on the tractor hitch, kN (kg)	13,15 (1340)

Technical data

The T-127 bale trailer is intended for loading, transporting and unloading (stacking) bales of hay and straw. The operation of the machine is fully automatic. The tractor operator controls the machine by means of control unit located in the cab. The bale trailer is intended for use with tractors having external hydraulics pump capacity of at least 35 I/min and equipped with lower transport hitch.





Load capacity, t	7	Number of working rotors,	1
Weight, kg	1890	Number of knives	6
Overall dimensions with folded		Working width, m	1,8
lades:		Total width, m	1,93
length x width x height, mm	8980 X 2440 x 1900	Height adjustment	Yes
Overall dimensions with unfolded		PTO speed, rpm	540
lades:		Min. tractor power kW/HP 4	5/61
length x width x height, mm	8980 X 3090 X 1900	75	
Wheel track, mm	1825		
Wheelbase, mm	4455		
Height of platform above the ground, mn	1060		
Loading area, m ²	15,3		
Travelling speed, km/h	25		
Tire size	400/60-15,5 14 PR		
Min, tractor horsepower, kW/HP	35/48		

T-665 PLATFORM

with folded side lades [22 bales of straw arranged into two rows) with unfolded side lades (33 bales of straw arranged into three rows) for off-highway use only.

KROZ/1MOWER-SHREDDER

movable knives, retreating in contact with hard objects;

skids allowing to adjust the height of cutting in 4 positions



It has a compact and durable design. Above all, it is intended for transporting straw bales: with the folded side lades - 22 straw bales in two rows, with unfolded side lades - 33 straw bales in three rows - only beyond public roads.



The mower-shredder is intended for mowing and shredding wastelands, mowing uneaten grass on pastures, maintaining interrows in orchards, shredding post-harvest residuals, initial preparation of soil for crops and other similar jobs. The mower--shredder is three-point hitch mounted and it is powered by 540 rpm PTO.

loading capacity, 7t

working width - 1,8 m

FERTILIZING

Technical data

MANURE SPREADERS

- perfect for small and medium farms
- vertical adapter considerably reduces the number of runs
 - excellent shredding of spread material

Type of axle Load capacity, t Loading capacity with/without extensions, m3 Loading area, m² Adapter Spreading width, m Type of floor conveyor Tyre size Wheel track, mm Braking system Overall dimensions: length x width x height, mm Internal dimensions of body: length x width x height, mm Spreader/ adapter weight, kg Travel speed, km/h Min. tractor horsepower, kW/HP Load on tractor hitch, kN/kg Options



The N-218 and N-228 spreaders are intended to spreading manure, peat and compost. After removing the adapter and installing the rear side they can also be used to transport agricultural produce. They cooperate with tractors equipped with lower transport hitch. They are produced in version with horizontal two-drum adapter. The N-218 spreader is also available with vertical four-drum adapter. This version is marked "P". Floor conveyor drive of both machines is mechanical and in case of N-218 it can also be hydraulic. Spreaders N-218 and N-228 are fully adapted to the transport on public roads - they have pneumatic braking and lighting system.

N-228 / N-218

single	rigid tandem	
4,5	6	
4/-	4,68/ 7,56	
6,67	7,8	
horizontal, two-d	rum, paddle type	
2,1	2	
two-chain with mechanical drive	four-chain with mechanical drive	
400/60-1	5,5 14 PR	
15	00	
pneumatio	c, double-line	
5640 x 2055 x 2770	5850x2310x3070	
3890 x 1740 x 600	3890 x 1990 x (600 + 400 extension sides)	
1560/125	2000/130	
2	5	
35 / 48	45 / 60	
9,4 (960)	12 (1230)	
horizontal, two-drum worm-type adapter,	hydraulically controlled end gate,	
	vertical, four-drum, worm-type adapter with a spreading width of 5.5 + 6 m. (N-218P), hydraulically driven floor conveyor,	



hydraulic brakes



horizontal, two-drum worm-type adapter, 1000 mm extension sides

horizontal, two - drum adapter

vertical, four - drum adapter

MANURE SPREADERS

- light and reliable design
- considerably increased service live of wooden sides and floor
- good shredding of spread material
- speed of fed material controlled from tractor's cab
- quiet operation eco-friendly

Load capacity, t Weight with adapter, kg Adapter weight, kg Loading area, m2 Capacity, m 3 Type of conveyor Adapter Spreading width, m Internal dimensions of body: length x width x height, mm Overall dimensions: length x width x height, mm Load on tractor hitch, kN/kg Wheel track, mm Tyre size Braking system Speed, km/h Min. tractor horsepower kW/HP Options:

The N-266 and N-270 manure spreaders are intended for spreading manure, peat and compost. After removing the adapter they can also be used for transport of green forage and agricultural produce. They are designed to be combined with tractors, equipped with the lower transport hitch. They are equipped with a vertical four-drum adapter and a hydraulically driven floor conveyor. Their innovative wooden design of the sides and floor is almost twice durable as compared to the metal body. Wooden elements are protected in a natural way by the action of organic compounds contained in manure. The next advantage of using wood is their quiet operation positively affecting the environment and work comfort. Spreaders are also much lighter than their metal competitors of the same capacity and therefore they affect positively the tractor fuel consumption. The application of wide tyres considerably improves their driveability. The N-266 and N-270 spreaders are fully adapted to road transport. They have pneumatic braking, lighting system and the adapter cover.

N-266 / N-270

8		14
3300	6	300
590	7	780
7.1	1	2.4
9.2	1	5.5
	form plants middle broductille delice	

four-chain with hydraulic drive vertical, four-drum, worm type

5-6

3850x1990x1200 5800x2140x1250

6050x2380x2750 8050x2480x3420 12,7 (1300) 29,4 (3000)

1600

50/50 R17(option 400/60 15,5 14PR) 19,5 R22,5 (option 600/50 R22,5)

pneumatic, double- line acting on all wheels 30 40





loading capacity of 8 t

66/90

loading capacity of 14 t

MANURE SPREADING

 high efficiency and spreading width
 good shredding of spread material
 rate of feed controlled from tractor's cab
 good traction properties in various

terrain conditions

Type of axle Load capacity, t Capacity, m 3 Loading area, m2 Adapter Spreading width, m Type of floor conveyor Tyre size Wheel track, mm Braking system Overall dimensions: length x width x height, mm Internal dimensions of body: length x width x height, mm Spreader/adapter weight, kg Driving speed, km/h Min. tractor horsepower, kW/HP Load on tractor hitch, kN (kg) Options:

rigid tandem 13 12,4 9,9 vertical, four-drum, worm-type 5,5-6 four-chain with hydraulic drive 385/65x22,5 15PR 1800 pneumatic, double-line, acting on all wheels

7170 x 2325 x 3100 4950 x 2005 x 1250 4490/740 25 96/130 23,35 (2370) tyres 500/45x22,5 hydraulic brakes

The N-229, N265 and 265A spreaders are intended for spreading manure, peat and compost. The N-265/A is a meadow-type of the N-265 spreader on a single axle. After removing the adapter they can also be used for transport of green forage and agricultural produce. They are designed to be combined with tractor equipped with a lower transport hitch. They have a vertical, four-drum worm type adapter (N-229) and vertical, two-drum worm adapter [N-265]. If requested, N-265 spreaders can be equipped with a disc adapter with a horizontal two-drum worm-type feeding unit. The floor conveyors drives are hydraulic. The N229 and N265 spreaders are fully adapted to road transport. They are equipped with a pneumatic braking and lighting system. The advantage of the N-265 spreader in a version with one axle is that it can be driven more easily on marshy areas. It is also more stable on uneven areas owing to large diameter and wide wheels.



N-265 / N-265A

rigid tandem single 10 13,8 8.4 vertical, two-drum worm-type 8-9 four-chain with hydraulic drive 19,0/45xR17 23,1 - R26 2250 1720 pneumatic, double-line, acting on all wheels 8100x2380x2900 8100X2850X3000 5600X1520X1410 5600x1520x1410 4000/570 30 81/110 74/100 25,5 [2600] 27,0 [2750] disc-type adapter hydraulic brakes





loading capacity of 10 t

loading capacity of 10 t

N-072 MINERAL FERTILISER SPREADER

- modular design
- corrosion-resistant material
- very good uniformity of spreading
- hydraulic control of matering ports
- jack as option

Hopper capacity / with hopper extension, I	750/1300
Tractor PTO speed, rpm	540
Spreading width, m	10-24
Metering ports control	hydraulic
Number of spreading discs	2
Number of vanes on the disc	2
Spreading dose, kg/ha	50-800
Driving speed, km/h	25
Working speed, km/h	6-12
Length, m	1,2
Width, m	2,0
Height, m	1,0
Spreader weight / with extension	250/285
Min. tractor power without extension, kW/HP	45/62
Min. tractor power with extension, kW/HP	60/82



The N-072 two-disc spreader is intended for spreading fertilisers. Its module- type design makes its maintenance and servicing very easy. The hopper capacity enables to load fertiliser from 500 kg or 1000 kg big -bags [1300 I hopper with extension]. This allows fertiliser to be rationally used on large and small farms. The most exposed to corrosion parts and points of the fertiliser are made of rust-resistant material, i.e. the part of the hopper close to the mixer (where fertiliser moves intensively), spreading discs, spreading vanes and connecting bolts, nuts etc. The use of many plastic elements at the junction of painted elements protects the coating against losing tightness and rust. The highly resistant coating formed by chemically resistant two-element paint also provides a long life. Dosing slots located within the vicinity of spreading disc axes and the optimal speed of discs ensure a very good uniformity of spreading and protect fertiliser granules against damage. The precise spreading dose is set by means of adjustable cover plate and appropriately shaped dosing slot. The adjustment of spreading width is performed by changing the angle of vanes with respect to the spreading disc.

T-542

Tank capacity, I	8000	10000 tandem	10000 single axle
Tank type		steel, galvanised	
Tank sheet metal thickness, mm		5	
Bottom diameter, mm		1600	
Tank filling level indicator		3 inspection holes	3
Siphon valve protecting the compressor			
from medium suction		yes	
Tank placed on the welded frame		yes	
Fixtures with the diameter of 6" - 3 stub pipes:	yes		
1 on the left with the mechanical gate-valve	yes		
1 on the right with the mechanical gate-valve	yes		
1 at the back with the hydraulically operated gate-valve	yes		
Manhole	with a diameter of 800 mm in the rear bottom		
Safety valves	pressure and vaccum relieve valves		lieve valves
Battioni Pagani Pompe S.p.A compressor.	MEC650MLF	MEC90	OOMLF
Axle type	rigid	sprung	rigid
Road wheel track, mm		2000	
Load on tractor hitch, kN/kg	13,7(1400)	24,5(2500)	24,5[2500]
Min. tractor horsepower, kW/HP	60/82	66	6/90
Driving speed, km/h	30	40	30

T-542 SLURRY TANKER

self-supporting design large inspection manhole large tank diameter three gate-valves as a standard large hose diameter

The slurry tankers are intended for emptying tanks with manure, transporting them and pouring the manure out at sites indicated for this purpose.

There is a possibility of using tankers for irrigation, (non-potable) water transport, yard cleaning, and at construction sites. The self-supporting frame significantly increases the strength of tankers. Three connections ensure safe and ergonomic operation of the tanker. As a standard, the tankers are provided with 3 stub pipes: two lateral pipes- on the left and on the right, with mounted brass gate-valves opened manually and one rear stub pipe- with the mounted brazen gate- valve opened hydraulically and the spilling spoon. The vacuum pumps manufactured by Battioni Pagani give a guarantee of durability and reliability. The anti-corrosion protection allows the operation for many years. The tank made of sheet metal with

a thickness of 5 mm is hot- dip galvanised inside and outside. The valves providing

protection against over- pressure and under- pressure make the barrel resistant to damage caused by exceeding the nominal pressure. The three inspection holes enable the full tank filling control. Bulkhead walls have been applied inside [2 for the 10000 | tanker and 1 for 8000 | tanker), protecting the liquids from overflowing, especially during the sudden braking process, as well as while travelling on an uneven surface with the tank not filled completely. This makes that negative phenomenon of drum swinging and unnecessary loads on tractor hitch are reduced or even eliminated.



RANSPORT

Technical data

TRAILERS

- light reliable design
- spring suspended system
- speed of up to 40 km/h
- possibility of coupling additional double-axle trailer
- central opening and closing of sides
- width to fit two europalettes [T-610/A1 and T-670/A1]

Load capacity, t Trailer weight, kg Min. tractor horsepower, kW/HP Platform area, m² Capacity of the main load-carrying body, m3

Capacity of the body with extension sides, m3 Overall dimensions without extension sides: length x width x height, mm

Internal dimensions of the load-carrying body:

length x width x height, mm

Tire size

Braking system

Unloading system

Body type

Driving speed, km/h

Standard equipment

Options



The T-610, T-610/A1 and T-670/A1 and T-675 double--axle agricultural trailers are intended for transporting agricultural produce. Sideboards and backside with centrally controlled opening/closing system ensure quick unloading. Adjustable gate in the backside makes it possible to control the flow of loose materials. The trailers are characterised by high leak-proofness, which enables the transport of loose materials, e.g. rape, etc. The loading box of T-610/A1, T-670/A1, T-675 and T675/A1 traliers is 2,41 m. allowing them to be successfully used for transport of euro-pallets. The trailers are provided with the rear hitch and couplings for attaching the second trailer. Upon request, they can be provided with a frame and canvas. The trailers are fully adapted to use on public roads with the speed of 40 km/h. Their are solid design quarantees failure-free operation for many years.

double - axle, dropside trailers

/ T-610	/ T-610/A1	/ / T-670 /A1	/ T-675/A1	
6	8	10	13	
2350	2760	3600	5000	
35/48	35/48	35/48	50/68	
8,46	9,64	10,67	12,30	
4,25	4,82	6,40	9,8	
8,46	9,64	12,81	17,2	
6040X 2300 X 2070	5930 X 2290X 2190	6550 X 2550 X 2540	7150 X 2550 X 2880	
4000 x 2120 x (500+500)	4000 x 2410 x (500+500)	4430 x 2410 x [800+400]	5100 X 2410 X [800+600]	
11.5/80-15,3 12 PR	14/65 -16 PR 14	385/65 R 22,5	385/65 R22,5	
	pneumatic	, double-line		
three-sided each state of the s				
dropside				
	4	0		
		spare wheel b	racket, balcony	
	canvas witi	n mounting frame		
	R spare wheel with bracket,	sp	pare wheel	
800 mm open-work e	extension sides for bulk materials			
	hydrauli	c brakes		
			800+400 side extensions for 12t load capacity	



loading capacity of up to 13,5 t

ITRAILERS functional design light, robust and safe improves traction properties of a tractor

Load capacity, t	3,5
Trailer weight, kg	1230
Min. tractor horsepower, kW/HP	35/48
Platform area, m ²	6,39
Capacity of the main load-carrying body, m ³	3,2
Capacity of the body with extension sides, m ³	5,1
Overall dimensions without extension sides:	
length x width x height, mm	4480 x 2235 x 1445
Internal dimensions of the load-carrying body:	
length x width x height, mm	3110x2055x500
Height with extension sides, mm	800
Tire size	11,5/80-15,3 12PR
Braking system	pneumatic, double-line
Unloading	three-sided tipping
Body type	dropside
Driving speed, km/h	25
Load on tractor hitch, kN/kg	(kg) 7,2 (740)
Standard equipment	300 mm extension sides
Options	400/60 -15,5 12 PR tyres hydraulic brakes

Technical data

The T-040 single-axle agricultural trailer is intended for transporting agricultural produce. It was designed to be combined with the tractor's lower transport hitch. A low positioned floor of the load carrying body enables non-mechanized loading and unloading. Adjustable chute in the backside allows a controlled flow of loose materials. The T-040 trailer has three-sided unloading. A single-axle suspension system quarantees good traction properties of a set in different ground conditions. The trailer is fully suited to road transport. It is equipped with the pneumatic braking and lighting systems.



3,5 t dropside trailer

/T-042 /	/ T-080/2
----------	-----------

Load capacity, t	7	10	
Trailer weight, kg	2095	2657	
Min. tractor horsepower, kW/HP	50/68	70/95	
Plaform area, m ²	7,86	10,20	
Capacity of the body with ext. sides, m ³	7,86	12,30	
Overall dimensions with extension sides:			
length x width x height, mm	5185 x 2300 x2020	5860 x 2500 x2210	
Internat dim. of the load-carrying body:			
length x width x height, mm	3705 x 2110 x (500 +500)	4410 x 2320 x (600+600)	
Height with extension sides, mm	1000	1200	
Tire size	11,5/80-15,3 10 PR	400/60-15,5 14 PR	
Braking system	pneumatic, double-line		
Unloading	three-sided		
Driving speed, km/h	25		
Load on tractor hitch, kN/kg	14,7 (1500)	17,24 (1760)	
Option	400/60 x 15,5 14PR tires	-	
	hydraulic brakes, s	spare wheel	

functional design light, durable and safe excellent traction characteristics of a set central opening and closing of sides

The T-042 and T-080/2 single-axle agricultural trailers are intended for transporting agricultural produce. They were designed to be combined with tractors equipped with a lower transport hitch.

A low positioned floor of the load carrying body enables non-mechanized loading and unloading. The adjustable gate in the backside makes it possible to control the flow of loose material. The trailers have three-sided unloading .

A single-axle tandem-type suspension system significantly improves traction characteristics of a tractor.

The trailers are fully suited to road transport. There are equipped with the pneumatic braking and lighting systems.



Load capacity, t

SINGLE-AXLE TRAILERS

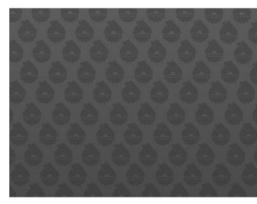
- robust design
- load capacity from 7 to 13 tons
- tandem suspension system ensuring good traction characteristics of a set
- easy maneuvering of the whole set

Trailer weight, kg Min. tractor horsepower, kW/HP Platform area, m² Capacity of the body with side extensions, m³ Overall dimensions without extension sides: length x width x height, mm Internal dimensions of the load-carrying body: length x width x height, mm Height with side extensions, mm Tire size Braking system Unloading Body type Driving speed, km/h Load on tractor hitch, kN[kg] Standard equipment Options

The T-041, T-083 single-axle trailers with backwards unloading system are intended for transporting agricultural produce. They were designed to be combined with tractors equipped with a lower transport hitch.

Adjustable chute in the tail gate allows a controlled flow of loose materials. The monocoque body design ensures good tightness. The tandem suspension system significantly improves traction properties of a tractor. The trailers are fully suited to road transport. There are equipped with the pneumatic braking and lighting systems.

7	10	
2080	2430	
50 / 70	70 / 95	
8,36	9,90	
9,2	10,86	
5200 x 2410 x 2170	5910 x 2435 x 2200	
3800 x 2200 x (700+400)	4510 x 2200 x (700+400)	
1100	1100	
11,5/80x15,3 12PR	400/60 x 15,5 14PR	
pneumatic, double-line		
bac	kwards	
mon	ocoque	
3	25	
14,46 (1470)	17,6 (1780)	
400 mm ex	tension sides	
400/60 x 15,5 14PR	=	
spare wheel, h	ydraulic brakes	





7 t monocoque trailer

10 t monocoque trailer

SNOW PLOUGH (5- position)

- joystick controlled
- rubber shares- flexible and durable at low
- temperatures
- safe overcoming of road obstacles by tilting shares on springs

Working width, mm	2545	2860	
Driving speed during snow removal, km/h		20	
Mouldboard width, mm	2540	2860	
Mouldboard height, mm	980	1000	
Mouldboard steering angle, °		30	
Mouldboard clearance during transport, mr	n	300	
Plow weight, kg	490	540	
Number of segments of the blade	21	pieces	
Plow lifting	front 3-point hitch		n
Mouldboard turning	hy	draulic	
Required tractor power	80-	150 HP	



PDZ 24 i PDZ 28 diagram

A characteristic feature of the structure are movable mouldboards with variable geometry, enabling smooth setting the plow through hydraulic actuators (within \pm 30 °), depending on the nature of the work.

Properly shaped mouldboards and rubber share prevent the snow throwing onto the window of the vehicle and ensure the safety of the driver.

The rubber shares are flexibile and durable at low temperatures.

Springs suspended tipping shares

provide trouble-free and secure overcoming obstacles on the road.

2.8 PDZ snow plough with working width of 2.5 m is also available.

working width 2,5 - 2,8 m



Aditional equipment to fit the plow is required:

- 1. Front 3-point hitch (2t)
- 2. Joystic controlled electro-hydraulic valve

Load capacity, t	8,3	Load capacity, t	10	12
Trailer weight, kg	2250	Trailer weight, kg	2620	4130
Min. tractor horsepower, kW/HI	P 50/68	Min. tractor horsepower, kW/HP	70 / 95	110 / 150
Tipping angle (backwards)	51°	Platform area, m ²	8,77	10,8
Overall dimensions with closed	type container:	Capacity of the main body, m 3	5,26	7,06
length x width x height, mm	6250x2420x2740	Overall dim. without ext. sides		
Overall dimensions with open t	ype container:	length x width x height, mm	5.3x2.5x0,65	5,78x2,5x0,85
length x width x height, mm	6150x2420x1980	Internal dim. of the body:		
Closed type container capacity	, m. ³ 16	length x width x height, mm	3,74x2,35x0,6	4,2x2,4x0,7
Open type container capacity, r	m ³ 9,7	Tire size	400/60-15,5	505/50
Tire size	400/65-15,5 14PR	Braking system	pneumatic, d	louble-line
Driving speed, km/h	25	Unloading	back	wards
Load on tractor hitch with clos	ed type	Body type	mono	coque
container, kN(kg)	10 (1019)	Driving speed, km/h	25	40
Braking system pn	eumatic, double-line	Load on tractor hitch, kN(kg)	18,0 (1770)	29,5 [2900]
Options:			exst.1000mm	exst.800mm
		budeaulia bealcas		

T - 145 MULTIPURPOSE SELF--LOADING CHASSIS FOR CONTAINERS

loading / unloading controlled from tractor

T-041/K i T-623 **CONSTRUCTION TRAILERS**

robust design

suitable for high point pressures (HARDOX 400 metal sheet)

suspension system ensuring excellent traction characteristics of a set

MIKRUS see page 24

see page 16



The T-145 chassis is designed for self-loading, transporting and unloading of closed and open top containers. The chassis is designed to be combined with tractors equipped with lower transport hitch. The single-axle tandem suspension quarantees good traction properties. The trailers are fully suited to road transport.





The T-041K and T-623 single-axle trailers with backwards unloading system are designed for transporting objects exerting large point pressure on the floor of the carrying body, like stones, boulders, caterpillar vehicles, as well as loose and bulky materials. They are designed to be combined with tractors equipped with a lower transport hitch. The single-axle tandem suspension guarantees good traction characteristics of a set. Monocoque body design ensures good tightness.

7 t monocoque trailer



10 t monocoque trailer

CULTIVATING AND SOWING AGGREGATES

- The aggregate is built of:
- tractor wheels track scrapers
- Ø 300 front roller
- copying and pressing wheels
- drag
- 2-beam cultivator
- Ø 400 rear roller (string or ring type)
- hitch for seed drill
- seed drill wheel supports

In cultivating version additionally with:

- scraper
- Ø300 preparing roller

Compact two-beam

cultivating and sowing aggregate



	mounted
	3,0
	up to 12
	up to 10
	up to 2,4
te, HP	60-100
te with sower, HP	100-120
	80-100
mounte	ed on frame
	string type
	Ø 300
light	spring type
	2
1-segmen	t with teeth
string	or ring type
	Ø 400
	string
	Ø 300
	2-row
	2
	spring type
	3000
	2585
	1250
e (front roller.	
oller)	approx. 600
e (as above	
	approx.720
front roller, drag,	
ller, scraper,	
170	approx.775
	te with sower, HP mounte light 1-segmen string e (front roller. oller) e (as above front roller, drag,

AS-33

Type of machine
Working width, m.
Working depth, cm
Working speed, km/h
Effective output at 8 km/h, ha/h
Tractor horse power:
- cultivating and sowing aggregate
- cultivating and sowing aggregate with sower
- cultivating-type aggregate
Hitch for sowing machine
Front roller
Roller diameter, mm
Cultivator tines
Number of tines rows
Preparing roller
Roller diameter, mm
Rear roller
Roller diameter, mm
Scraper
Copying wheels
Tractor wheels track scrapers
Overall dimensions, mm:
Width in working position
Length of aggregate in cultivating version
Height of aggregate
Weight, kg:
Cultivating and sowing aggregate (front roller.
three-row cultivator, rear roller] approx.
Cultivating and sowing aggregate (as above with
hitch for sower) approx.
Aggregate in cultivating version (front roller.
three-beam cultivator, rear string roller, scraper,
preparing roller) approx.

mounted 3 up to 12 up to 10 up to 2.4

60-100 HP 100-120 HP 80-100 HP

mounted on frame string type Ø 300 spring type

> string or ring type Ø 400 string type Ø 300 2-row

> > 2

spring type 3000

> 2585 1250

580

700

750

The aggregate is built of:

tractor wheels track scrapers

Ø 300 front roller

copying and pressing wheels

3-beam cultivator

Ø400 rear roller (string or ring type)

hitch for seed drill

seed drill wheel supports

In cultivating version additionally with:

✓ preparing roller Ø 300

scraper



FIELD SUSPENDED SPRAYERS

Standard equipment:

galvanised frame and beam,

Italian main polyethylene tank, resistant to UV, radiation and variable weather conditions clean water tank for rinsing the system after the finished operation,

clean water tank for washing hands,

ZETA or RO membrane-piston pump,

dilution system at the intake of the main tank,

manually operated Polish valve [Ls412 only] or Italian valve

field beams: 12 or 15 m, unfolded manually in "X",

mechanical stabilization system, single trapezoid,

single-nozzle hydraulic mixer.

Main tank capacity, I Beam width, m Pump type, I/min Tank type Beam unfolding Beam stabilization type

Beam lifting range, m Liquid system

Head type

Control valve type

Min. horsepower, kW/HP

The L-series sprayers are intended for small and medium farms. They are typically equipped with UDOR pumps, a system for dilution of chemicals with water located at the tank inlet, Italian 3- or 5-section ARAG control valves (depending on the size of the beam) and polyethylene 3-body italian tanks. Optionally, the sprayers can be provided with constant pressure control valves operated manually or electrically and hydraulically lifted beam. Upon request, they can be provided with ARAG computer.

ILTBS STRAW BRIQUETTE LINE

Biomass is the oldest and the most commonly used source of renewable energy. It includes both household and organic waste as well as waste from farm production e.g. straw. Straw is used for the production of briquettes pellets as power plant fuel and is a good source of electric energy generated in the process of co-firing with coal. Biomass is produced by Bioenergia Invest- [www.bioenergiainvest.pl] subsidiary of Ursus S.A.



/LS-412 / //L-412 / L-1015 L-815 L-612 / L-615

400		600		800	1000
12			15		
ZETA85			R013		
		three-body, po	lyethylene, Italian		
			tion: hydraulic)		
		mechanical,	single trapezoid		
		0,5-1,7		0,5-	-2,1
PCV hoses	PCV pipes	PCV hoses or		PCV pipes	
		pipes			
	three-position	single-		three-position	
single-position		or three-position			
			22.70	1200	
polish	ARAG italian		polish or italian	10000000	Gitalian
manual	manual		manual	electrical	
44/60		59	/80		





capacity of 400 - 1000 I



ILTBS STRAW BRIQUETTING LINE

The LTBS Straw Briquetting Line consists of a crushing and a briquetting assemblies, which are built from a number of machines and devices. The working capacity of the whole straw briquetting line ranges from 1.2 to 1.6 t/h for gray uncontaminated straw without foreign bodies, with moisture level of 12 to 14%, and from 1 to 1.6 t/h for uncontaminated straw without foreign bodies, with moisture level of 10 to 16%. The working capacity includes time lost due to technical and operational reasons. The best results are obtained when briquetting gray rape straw which is fed in the form of medium compressed big square bale. The total installed power of all assemblies of the LTBS line amounts to approximately 250 kW; the power demand is 175 kW.



■ BM-60 BRIQUETTE MACHINE







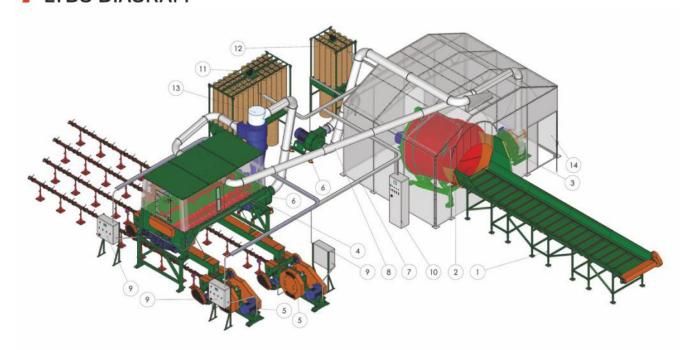




■ BIOMASS PRODUCTION - TECHNOLOGICAL LINE (LTBS)

1.Feeding table	- 1 pc. 🧪	8.Pneumatic system	- 1 pc.
2.Straw bale shredder	- 1 pc. /	9. Briquette machine control box	- 4 pcs
3.Grinder	- 1 pc.	10. Line control box	- 1 pc.
4.Storage tank	- 1 pc.	11. Bag filter	- 1 pc.
5.Mechanical briquette machine	- 4 pcs	12. Bag filter	- 1 pc.
6.Fan	- 2 pcs /	13. Cyclone cleaner	- 1 pc.
7.Electrical system	- 1 pc. /	14. Shredder housing	- 1 pc.

LTBS DIAGRAM



PELLET MANUFACTURING ON RING TYPE PELLETING MACHINE



Die 🔼 🔼 🔼 🚓 🖎 🖎	ring TYPE
Number of rollers	4
Bearing lubrication	central
Head rotations, rpm	40
Main transmission power, kW	45
Rake power, kW	1.1
Weight, kg	2460
Length, mm	~2230
Width, mm	~1580
Height, mm	~1458

GROO PELLETING MACHINE

PRINCIPLE OF OPERATION

The manufacturing process of pellet with the use of the ring type pelleter consists in pushing the previously shredded biomass through the appropriately formed moulding sleeves by means of pins placed on rollers. The movement of the rollers is forced out by the rotation of the main shaft and meshing of the roller pin with the sleeve which is immovably secured in the die. The pelleter is charged from the top. Owing to the centrifugal force which results from the rotary movement of the head, the biomass is distributed around the perimeter of the die, and accordingly into the sleeves.

PELLETER CAPACITY

The pelleter's capacity ranges between 400 and 700 kg/h and depends on:

- I the type of the input material [the highest efficiency is reached with gray rape straw and wheat straw without impurities, e.g. sand, stones and metals),
- / humidity of the input material which should range between 14 and 22 % ,
- length of chaff after shredding which should be of about 12 mm

CHARACTERISTICS

The ring type pelleter is featured by:

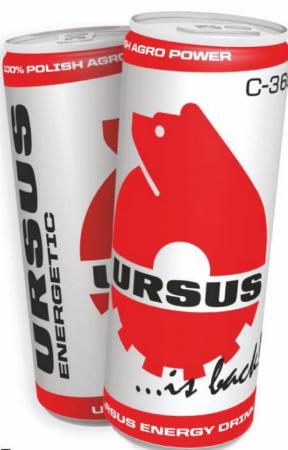
- the ring die with replaceable working sleeves,
- the roller head with replaceable pins,
- the central roller bearing lubrication system,
- high-grade materials used for production of working parts, which decrease the operating costs,
- I the possibility of operation in the automatic and manual mode

The pelleter integrated with the complete production line is an ideal solution for medium and small companies as well as individual investors willing to process a biomass. Granulated product with a diameter of about 22 mm is treated by professional energetics as pellet.

100% POLISH AGRO POWER

URSUS ENERGETIC





URSUS RALLY TEAM



URSUS

Due to product development URSUS reserves the right to change technical data without previous notice and accepts no responsibillity for discrepancies in specifications contained in its publications.



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URSUS S.A.

Headquarters

ul. Mełgiewska 7-9 20-952 Lublin, Poland tel. +48 81 749 34 66 fax +48 81 749 32 66 e-mail: lublin@ursus.com tractors

ul. Fabryczna 21, 11-040 Dobre Miasto, Poland tel. +48 89 615 34 00 tel. +48 89 615 36 00 fax +48 89 615 34 26 e-mail: sekretariat@ursus.com agricultural machinery

Dobre Miasto Division Commercial Office in Warsaw

ul. Jana Kochanowskiego 45 01-864 Warszawa, Poland tel./fax. +48 544 271 101 e-mail: biuro.warszawa@ursus.com

Biedaszki Małe Division

Biedaszki Małe 1, Poland tel. +48 89 751 72 00, +48 89 751 41 92 fax. +48 89 751 27 38 e-mail: handel.biedaszki@ursus.com front loaders

www.ursus.com