



# URSUS

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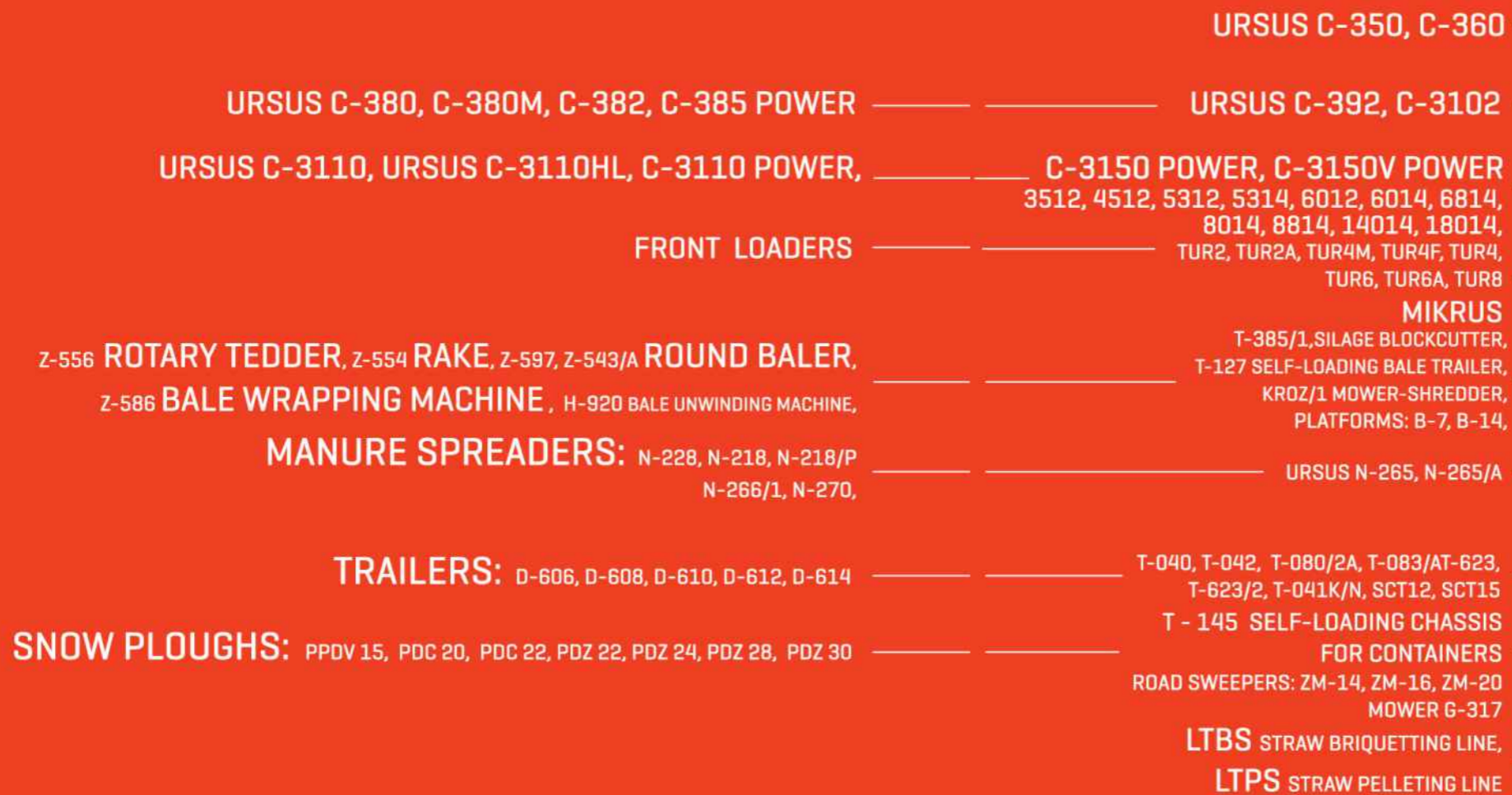
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**TRACTORS  
AND FARM MACHINERY**

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UPGRADED CAB VERSION

URSUS C-350, C-360

- Perkins EURO IIIA & IIIB engines,
- 12x12 gearbox with synchroshuttle,
- lift capacity up to 2650 kg,
- 4-post cabin with sunroof [C-360] for excellent visibility



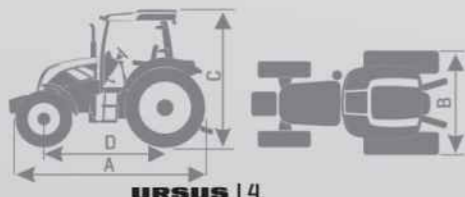
Technical data

- ENGINE [brand and model]
- Engine type
- Power [ISO 14396] kW/HP at rpm
- Max. torque, Nm at rpm
- Capacity [cm ] / number of cylinders
- Air filter
- Fuel tank capacity, l
- TRANSMISSION
- Clutch
- Gearbox
- Rear axle
- Front axle
- Maximum speed, km/h
- POWER TAKE-OFF (PTO)
- Type
- PTO speeds, rev./min.
- HYDRAULIC LIFT SYSTEM
- Functions
- Hydraulic lift pump capacity, l/min
- Nominal pressure, MPa
- Lift capacity, kg
- External hydraulics spool valves
- THREE-POINT LINKAGE SYSTEM
- STEERING SYSTEM
- BRAKING SYSTEM
- Service brake
- Parking brake
- WHEELS AND TREADS
- Front | rear wheels
- Front/rear treads, mm
- HITCHES [std.]
- CABIN
- Basic equipment
- DIMENSIONS
- Length / width / height/, mm
- Wheelbase, mm
- Ground clearance, mm
- Weight without ballast weights, kg
- STANDARD EQUIPMENT
- OPTIONS

	C-350	C-360	NOVELTY
ENGINE [brand and model]	PERKINS 1103D EURO IIIA	DEUTZ EURO IIIB	
Engine type	naturally aspirated	turbocharged	
Power [ISO 14396] kW/HP at rpm	37 / 50 - 2200	50 / 68 - 2200	
Max. torque, Nm at rpm	196 - 1400	272 - 1600	
Capacity [cm ] / number of cylinders	3300 / 3	2900 / 4	
Air filter	2-stage, dry type with contamination sender		
Fuel tank capacity, l	49	120	
TRANSMISSION	2-disc dry type with independent PTO clutch control		
Clutch	12 x12, with creeper and synchroshuttle		
Gearbox	12 x12 with synchroshuttle		
Rear axle	with mechanical differential lock and planetary hubs		
Front axle	with planetary hubs		
Maximum speed, km/h	30		
POWER TAKE-OFF (PTO)	IPTO with hand operated PTO clutch and ground speed		
Type	540 / 1000		
PTO speeds, rev./min.			
HYDRAULIC LIFT SYSTEM	draft, position, mixed, sensitivity and lowering speed control		
Functions	40   50		
Hydraulic lift pump capacity, l/min	40	50	
Nominal pressure, MPa	18		
Lift capacity, kg	1300	2650	
External hydraulics spool valves	2 [4 quick -couplings]		
THREE-POINT LINKAGE SYSTEM	cat.1 with balls to cat.2	cat.2	
STEERING SYSTEM	hydrostatic		
BRAKING SYSTEM	oil immersed, disc type, mechanically actuated   oil immersed, disc type, mechanically actuated		
Service brake	mechanical, hand actuated		
Parking brake			
WHEELS AND TREADS	280 / 85R24   420 / 85R30		
Front   rear wheels	7,5R16   12,4 R28	280 / 85R24   420 / 85R30	
Front/rear treads, mm	1155   1092-1504	1570, 1730   1448 -1916	
HITCHES [std.]	front and height adjustable transport hitch		
CABIN	4-post	4-post with sunroof	
Basic equipment	heating, front/rear work lamps, wipers and sprayers		
DIMENSIONS	3700 / 1410-1835 / 2350		
Length / width / height/, mm	1940	4210 / 1880-2340 / 2540	
Wheelbase, mm	330	2190	
Ground clearance, mm	2420	375	
Weight without ballast weights, kg	front weights - 100 kg, fixed front fenders		
STANDARD EQUIPMENT	trailer air braking system [single- and double-line], drawbar, Piton-fix hitch, AC, torsional front fenders front mounted, quick-couplings [4], beacon light,		
OPTIONS	front weights - up to 260 kg, fixed front fenders 3-point linkage with hook type ends, 3-point link. external control, drawbar, Piton-fix, rear weights up to 210kg, wheels: front 320/70R24, rear: 480/70R30, beacon light, AC, torsional front fenders wheels: 12,4 R24   12,4 R38 ; 11,2 R24   12,4R36		

municipal and ROPS version available

OVERALL DIMENSION



C-350	C-360
A = 3700 mm	A = 4210 mm
B = 1410-1835 mm	B = 1880mm
C = 2350 mm	C = 2540 mm
D = 1940 mm	D = 2190 mm



UPGRADED CAB VERSION

URSUS C-380, C-380M

- Perkins EURO IIIA,
- 12 x 12 gearbox with synchroshuttle,
- lift capacity up to 3100 kg,
- 4-post cabin with sunroof for excellent visibility



Technical data

- ENGINE [brand and model]
- Engine type
- Power [ISO 14396] kW/HP at rpm
- Max. torque, Nm at rpm
- Capacity [cm ] / number of cylinders
- Air filter
- Fuel tank capacity, l
- TRANSMISSION
- Clutch
- Gearbox
- Rear axle
- Front axle
- Maximum speed, km/h
- POWER TAKE-OFF (PTO)
- Type
- PTO speeds, rev./min.
- HYDRAULIC LIFT SYSTEM
- Functions
- Pump capacity, l/min
- Nominal pressure, MPa
- Lift capacity, kg
- External hydraulics spool valves
- THREE-POINT LINKAGE SYSTEM
- STEERING SYSTEM
- BRAKING SYSTEM
- Service brake
- Parking brake
- WHEELS AND TREADS
- Front/rear wheels
- Front/rear treads, mm
- HITCHES [std.]
- CABIN
- Basic equipment
- DIMENSIONS
- Length / width / height/, mm
- Wheelbase, mm
- Ground clearance, mm
- Weight without ballast weights, kg
- STANDARD EQUIPMENT
- OPTIONS

	C-380	C-380M
ENGINE [brand and model]	PERKINS 1104D EURO IIIA	
Engine type	turbocharged	
Power [ISO 14396] kW/HP at rpm	55,5 / 75 - 2200	
Max. torque, Nm at rpm	307 - 1400	
Capacity [cm ] / number of cylinders	4400 / 4	
Air filter	2-stage, dry type with contamination sender	
Fuel tank capacity, l	120	
TRANSMISSION	2-disc dry type with indep. PTO clutch control	
Clutch	12 x12 with synchroshuttle	
Gearbox	with mechanically controlled differential lock and planetary hubs	
Rear axle	with planetary hubs	
Front axle	30	40
Maximum speed, km/h		
POWER TAKE-OFF (PTO)	IPTO and ground speed	
Type	540 / 1000	
PTO speeds, rev./min.		
HYDRAULIC LIFT SYSTEM	draft, position, mixed, sensitivity and lowering speed control	
Functions	50	
Pump capacity, l/min	18	
Nominal pressure, MPa	2650	3100 [with 1 assistor ram]
Lift capacity, kg	2 [4 quick -couplings]	
External hydraulics spool valves	cat.2	
THREE-POINT LINKAGE SYSTEM	hydrostatic	
STEERING SYSTEM		
BRAKING SYSTEM	oil immersed, disc type, mechanically actuated   oil immersed, disc type, hydraulically actuated	
Service brake	mechanical, hand actuated	
Parking brake		
WHEELS AND TREADS	280 / 85R24   420 / 85R30   360/70R24   480/70R34	
Front/rear wheels	1570, 1730 / 1448 -1916	
Front/rear treads, mm	front and height adjustable transport hitch	
HITCHES [std.]	4-post with sunroof	
CABIN	heating, front/rear work lamps, wipers and sprayers	
Basic equipment		
DIMENSIONS	4210 / 1990 / 2540	
Length / width / height/, mm	2255	2280
Wheelbase, mm	375	405
Ground clearance, mm	3258	3300
Weight without ballast weights, kg	front weights - up to 260 kg, fixed front fenders, 3-point linkage external control	
STANDARD EQUIPMENT	trailer air braking system [single- and double-line], trailer hydraulic braking system, 3-point linkage with hook type ends, drawbar, Piton-fix hitch, front [hook-type] 3-point linkage syst., rear weights up to 210kg, 6 hydraulic quick- couplings, front mounted quick-couplings [4], beacon light, AC, front-rear wheels 320/70R24   480/70R30 ; 12,4 R24   12,4 R38 ; 11,2 R24   12,4R36, torsional front fenders	
OPTIONS	additional assistor ram for 3600kg lift capacity	

C-380,	C-380M
A = 4210 mm	A = 4240 mm
B = 1990 mm	B = 2020 mm
C = 2540 mm	C = 2580 mm
D = 2255 mm	D = 2280 mm





C-382, C-385 POWER

NOVELTY!

UPGRADED CAB VERSION



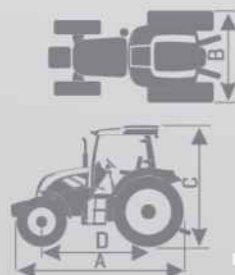
C-382

C-385 POWER

- Perkins EURO IIIA & IIIB engines ,
- 12 x 12 gearbox with synchroshuttle [C-382], 24x12 with powershuttle , Hi-LO powershift and creeper [C-385 POWER]
- lift capacity up to 3600 kg,
- 4-post cabin with sunroof for excellent visibility

Technical data	C-382	C-385 POWER
ENGINE [brand and model]	PERKINS 1104D EURO IIIA	PERKINS 854E-E34TA EURO IIIB
Engine type	turbocharged	turbocharged with intercooler
Power [ISO 14396] kW/HP at rpm	60,5 / 82 - 2200	62,5/85 - 2200
Max. torque, Nm at rpm	307 - 1400	354 - 1400
Capacity [cm ] / number of cylinders	4400 / 4	3400 / 4
Air filter	2-stage, dry type with contamination sender	
Fuel tank capacity, l	120	
TRANSMISSION		
Clutch	2-disc dry type with indep. PTO clutch control	wet, multiplate
Gearbox	12 x12 with synchroshuttle /24x12 with pow.shuttle, Hi-Lo pow.shift & creeper with mechanically actuated	with electro-hydraulically actuated
Rear axle	differential lock and planetary hubs with planetary hubs	differential lock and planetary hubs electro-hydr. actuated with planetary hubs
Front axle	40	
Maximum speed, km/h	40	
POWER TAKE-OFF (PTO)		
Type	IPTO with wet multidisc clutch and ground speed	
PTO speeds, rev./min.	540 / 1000	
HYDRAULIC LIFT SYSTEM		
Functions	draft, position, mixed, sensitivity and lowering speed control	
Pump capacity, l/min	50	
Nominal pressure, MPa	18	
Lift capacity, kg	3600 [with 2 assistor rams]	
External hydraulics spool valves	2 (4 quick -couplings)	
THREE-POINT LINKAGE SYSTEM	cat.2	
STEERING SYSTEM	hydrostatic	
BRAKING SYSTEM		
Service brake	oil immersed, disc type, hydraulically actuated	
Parking brake	mechanical, hand actuated	
WHEELS AND TREADS		
Front/rear wheels	360/70R24   480/70R34	
Front/rear treads, mm	1570, 1730 / 1448 -1916	
HITCHES [std.]	front and height adjustable tranport hitch	
CABIN	4-post with sunroof	
Basic equipment	heating, front/rear work lamps, wipers and sprayers	
DIMENSIONS		
Length / width / height/, mm	4240 / 2020 / 2580	
Wheelbase, mm	2280	
Ground clearance, mm	405	
Weight without ballast weights, kg	3300	
STANDARD EQUIPMENT	front weights - up to 260 kg, 3-point linkage external control, 3-point linkage with hook type ends torsional front fenders	
OPTIONS	trailer air braking system [single- and double-line], trailer hydraulic braking system, drawbar, Piton-fix hitch, front [hook-type] 3-point linkage syst., rear weights up to 210 kg, 6 hydraulic quick- couplings, beacon light, AC, front-rear wheels, 320/70R24   480/70R30 ; 12,4 R24   12,4 R38 ; 11,2 R24   12,4R36	

C-382,	C-385 POWER
A = 4210 mm	A = 4240 mm
B = 1990 mm	B = 2020 mm
C = 2580 mm	C = 2580 mm
D = 2255 mm	D = 2280 mm



URSUS C-392 i C-3102

NOVELTY



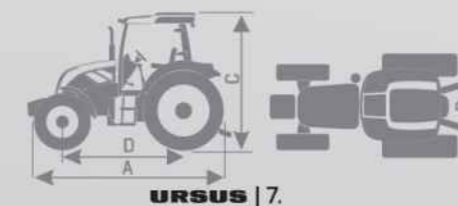
C-392

C-3102

- Perkins EURO IIIA engines,
- 12x12 gearbox with synchroshuttle,
- lift capacity of 4400 kg
- 4-post cabin with sunroof for excellent visibility

Technical data	C-392	C-3102
ENGINE [brand and model]	PERKINS 1104D EURO IIIA	
Engine type	turbocharged with intercooler	
Power [ISO 14396] kW/HP at rpm	68 / 92 - 2200	74,9 / 102 - 2200
Max. torque, Nm at rpm	390 - 1400	405 - 1400
Capacity [cm ] / number of cylinders	4400 / 4	
Air filter	2-stage, dry type with contamination sender	
Fuel tank capacity, l	120	
TRANSMISSION		
Clutch	2-disc dry type with electrohydraulic PTO clutch control	
Gearbox	12 x12 with synchroshuttle	
Rear axle	with electrohydraulic differential lock and planetary hubs	
Front axle	electro-hydraulically actuated with automatic differential lock and planetary hubs	
Maximum speed, km/h	40	
POWER TAKE-OFF (PTO)		
Type	iPTO with electro-hydraulic clutch control	
PTO speeds, rev./min.	540 / 1000	
HYDRAULIC LIFT SYSTEM		
Functions	draft, position, lowering speed control and Auto-Lift	
Pump capacity, l/min	55	
Nominal pressure, MPa	18	
Lift capacity, kg	4400	
External hydraulics spool valves	2 (4 quick -couplings)	
THREE - POINT LINKAGE SYSTEM	cat. 2 with hooks	
STEERING SYSTEM	hydrostatic	
BRAKING SYSTEM		
Service brake	oil immersed, disc type, hydraulically actuated	
Parking brake	mechanical, hand actuated	
WHEELS AND TREADS		
Front / rear wheels	380/70R24   480/70R34	
Front/rear treads, mm	1580-1780 / 1595-1795	
HITCHES [std.]	front and height adjustable tranport hitch	
CABIN	4-post with sunroof	
Basic equipment	heating, front/rear work lamps, wipers and sprayers	
DIMENSIONS		
Length / width / height/, mm	4220 / 2175 / 2580	
Wheelbase, mm	2477	
Ground clearance, mm	430	
Weight without ballast weights, kg	3700	
STANDARD EQUIPMENT	front weights - up to 260 kg, 3-point linkage external control, 3-point linkage with hook type ends torsional front fenders	
OPTIONS	trailer air braking system [1single- and double-line], trailer hydraulic braking system, drawbar, Piton-fix hitch, front hook-type 3-point linkage syst., rear ballast weights up to 320 kg, 6 hydraulic quick- couplings, beacon light, AC, front   rear wheels: 340/85R24   420/85R34	

OVERALL DIMENSION



C-392, C-3102
A = 4220 mm
B = 2175 mm
C = 2580 mm
D = 2477 mm



# URSUS C-3110

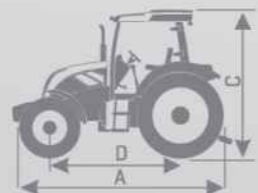
- PERKINS EURO IIIA engine
- 24 x 24 gearbox with synchroshuttle
- lift capacity of 4400 kg
- EHR in standard equipment
- 4-post cabin with sunroof for excellent visibility



C-3110

Technical data	C-3110
ENGINE [brand and model]	PERKINS 1104D EURO IIIA
Engine type	turbocharged with intercooler
Power [ISO 14396] kW/HP at rpm	83 / 110 - 2200
Max. torque, Nm at rpm	416 - 1400
Capacity [cm ] / number of cylinders	4400 / 4
Air filter	two-stage, dry type with contamination sender
Fuel tank capacity, l	180
TRANSMISSION	
Clutch	dry single disc type
Gearbox	24 x 24, with synchroshuttle
Rear axle	with electro-hydraulic differential lock control and planetary hubs
Front axle	electrohydraulically actuated, with planetary hubs
Maximum speed, km/h	40
POWER TAKE-OFF (PTO)	
Type	iPTO with wet multidisc clutch and ground speed
PTO speeds, rev./min.	540 / 540E
HYDRAULIC LIFT SYSTEM	
Functions	EHR
Pump capacity, l/min	75
Nominal pressure, MPa	18
Lift capacity, kg	4400
External hydraulics spool valves	two [four quick-couplings]
THREE-POINT LINKAGE SYSTEM	cat. 2
STEERING SYSTEM	hydrostatic
BRAKING SYSTEM	
Service brake	oil immersed, disc type, hydraulically actuated
Parking brake	mechanical, hand actuated
WHEELS AND TREADS	
Front/rear wheels	380/70 R24 / 480/70 R34
Front/rear treads, mm	1630 - 1970 / 1620 - 2325
HITCHES [std.]	hight adjustable hitch, Piton-fix, drawbar and front hitch
CABIN	4-post cab with sunroof
Basic equipment	heating, front and rear : worklamps, wipers and sprayers
DIMENSIONS	
Length / width / height, mm	3790-4285 / 2050-2510 / 2580
Wheelbase, mm	2420
Ground clearance, mm	430
Weight without ballast weights, kg	4050
STANDARD EQUIPMENT	front weights - up to 260 kg, 3-point linkage with hook type ends, torsional front fenders front 3- point hitch, front PTO, rear weights - up to 210kg, 6 hydraulic quick- couplings, 420/70/R24; 520/70/R34 wheels, beacon light, AC, trailer hydraulic braking system, trailer air braking system, 24x24 gearbox with synchroshuttle, PTO 540/1000
OPTIONS	

A = 3790-4285 mm  
 B = 2050-2510 mm  
 C = 2580 mm  
 D = 2420 mm



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# URSUS C-3110HL, C-3110 POWER

NOVELTY!

- PERKINS EURO IIIB engine
- 24 x 24 gearbox with Hi-Lo powershift
- lift capacity of 4400 kg
- 4-post cabin with sunroof for excellent visibility



C-3110HL

C-3110 POWER

Technical data	C-3110HL	C-3110 POWER
ENGINE [brand and model]	PERKINS 854E-E34TA EURO IIIB	
Engine type	turbocharged with intercooler	
Power [ISO 14396] kW/HP at rpm	83 / 110 - 2200	
Max. torque, Nm at rpm	456 - 1400	
Capacity [cm ] / number of cylinders	3400 / 4	
Air filter	two-stage, dry type with contamination sender	
Fuel tank capacity, l	180	
TRANSMISSION		
Clutch	dry single disc type	wet, multiplate
Gearbox	24 x 24, with synchroshuttle, Hi-Lo powershift, and creeper	24 x 24, with powershuttle, Hi-Lo powershift, and creeper
Rear axle	with electro-hydraulic differential lock control and planetary hubs	
Front axle	electrohydraulically actuated, with planetary hubs	
Maximum speed, km/h	40	
POWER TAKE-OFF (PTO)		
Type	iPTO with wet multidisc clutch and ground speed	
PTO speeds, rev./min.	540 / 540E	
HYDRAULIC LIFT SYSTEM		
Functions	EHR	
Pump capacity, l/min	70	
Nominal pressure, MPa	19	
Lift capacity, kg	4400	
External hydraulics spool valves	two [four quick-couplings]	
THREE-POINT LINKAGE SYSTEM	cat. 2	
STEERING SYSTEM	hydrostatic	
BRAKING SYSTEM		
Service brake	oil immersed, disc type, hydraulically actuated	
Parking brake	mechanical, hand actuated	
WHEELS AND TREADS		
Front/rear wheels	380/70 R24 / 480/70 R34	
Front/rear treads, mm	1630 - 1970 / 1620 - 2325	
HITCHES [std.]	hight adjustable hitch, Piton-fix, drawbar and front hitch	
CABIN	4-post cab with sunroof	
Basic equipment	heating, front and rear : worklamps, wipers and sprayers	
DIMENSIONS		
Length / width / height, mm	3790-4285 / 2050-2510 / 2580	
Wheelbase, mm	2420	
Ground clearance, mm	380	
Weight without ballast weights, kg	4050	
STANDARD EQUIPMENT	front weights - up to 260 kg, 3-point linkage with hook type ends, torsional front fenders front 3- point hitch, front PTO, rear weights - up to 210kg, 6 hydraulic quick- couplings, 420/70/R24; 520/70/R34 wheels, beacon light, AC, trailer hydraulic braking system, trailer air braking system, 24x24 gearbox with synchroshuttle, PTO 540/1000	
OPTIONS		

A = 3790-4285 mm  
 B = 2050-2510 mm  
 C = 2580 mm  
 D = 2420 mm



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# URSUS C-3150 POWER C-3150V POWER



C-3150 POWER

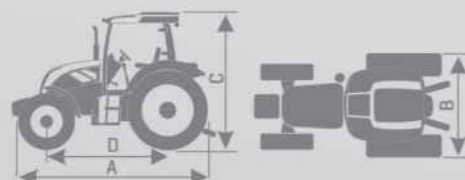
C-3150V POWER

- 4- cyl. DEUTZ EURO IV engine
- ZF transmission,
- 40 x 40 or 32 x 32 gearbox with power-shuttle, powershift and creeper
- EHR hydraulic lift
- lift capacity of 7000 kg
- comprehensive equipment
- air conditioning

**Technical data**

ENGINE [brand and model]	DEUTZ TCD 4.1 or TCD 6.1 L6 EURO IV	
Engine type	turbocharged with intercooler	
Power [ISO 14396] kW/HP at rpm	109,5 / 150 - 2100	
Max. torque, Nm at rpm	661 / 1400	
Capacity [cm <sup>3</sup> ] / number of cylinders	4038 / 4 or 6057 / 6	
Air filter	two-stage, dry type with contamination sender	
Fuel tank capacity, l	310	
TRANSMISSION		
Clutch	wet, multiplate	
Gearbox	ZF, 40x40, with powershuttle, powershift and creeper	Ursus VIGUS, 32x32 with powershuttle, powershift and creeper
Rear axle	ZF, with electro-hydraulic differential lock and planetary hubs	
Front axle	with electro-hydraulic differential lock and planetary hubs	
Maximum speed, km/h	40	
POWERT TAKE-OFF (PTO)		
Type	IPTO, engaged hydraulically	
PTO speeds, rev./min.	540 / 540E / 1000 / 1000E	
HYDRAULIC LIFT SYSTEM		
Functions	EHR	
Pump capacity, l/min	90	100
Nominal pressure, MPa	20	
Lift capacity, kg	7200	7000
External hydraulics spool valves	four [8 quick-couplings] cat.3	
THREE-POINT LINKAGE SYSTEM		
STEERING SYSTEM	hydrostatic	
BRAKING SYSTEM		
Service brake	oil immersed, disc type, hydraulically actuated	
Parking brake	mechanical, hand actuated	
WHEELS AND TREADS		
Front/rear wheels	480 / 70R28 / 580/70R3	
Front/rear treads, mm	1860 / 1770	
HITCHES [std.]	high adjustable 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 / 3000	
Wheelbase, mm	2940	
Ground clearance, mm	450	
Weight without ballast weights, kg	6900	
STANDARD EQUIPMENT	front and rear weights to requirements, torsional front fenders	
OPTIONS	trailer air braking system [1- and 2-line], / trailer hydraulic braking system, high / low beam LED headlights	

OVERALL DIMENSION



- A = 4720 mm
- B = 2440 mm
- C = 3000 mm
- D = 2500 mm

# URSUS 3512, 4512



- URSUS engine
- 8x2 gearbox with epicyclic reduction unit
- lift capacity up to 2200kg

**Technical data**

ENGINE [make & model]	URSUS 3250		URSUS 4060	
Engine type	diesel, naturally aspirated, direct injection, water cooled			
Power, kW / HP at rpm [ECE R120]	34,5/47 / 2250		48,5/66 / 2000	
Torque, Nm at rpm	165/1400		232/1400	
Swept volume, cm <sup>3</sup> / no. of cylinders	2500/ 3		3865/4	
Air cleaner	oil bath type			
Fuel tank capacity, L	58		80	
TRANSMISSION				
Clutch	dry, double disc			
Gearbox	8F + 2R with epicyclic reduction units			
Rear axle	with mechanical differential lock and planetary hubs			
Front axle	three section type			
Max. speed km/h	30			
POWER TAKE-OFF				
Type	live- proportional to engine speed			
PTO speeds, rev./min.	540		540/1000	
HYDRAULIC LIFT SYSTEM				
Function	draft, position and response control			
Hydraulic pump oil flow, l/min	26,7			
Nominal pressure, MPa	18			
Hydraulic lift capacity, kg	1450		2200	
External hydraulics spool valves [std.]	single [2 quick couplings] Cat. 2			
THREE-POINT LINKAGE	hydrostatic			
STEERING SYSTEM	oil immersed, disc type, mechanically actuated together or independently			
Service brake	mechanical, hand actuated			
Parking brake				
WHEELS & TREADS				
Front / rear wheels	6 - 16 / 14,9-28		7,5 -16 / 16,9 - 30	
Front / rear treads, mm	1350, 1500, 1800		1400, 1500, 1600, 1700, 1800	
HITCHES	drawbar, front hitch			
2-POST ROPS + SUNROOF	standard			
Equipment	rear worklamp, beacon warning light			
DIMENSIONS & WEIGHTS				
Length / Width / Height, mm	3413 / 1850 / 2240		3780 / 1850 / 2300	
Wheelbase, mm	2083		2300	
Ground clearance, mm	350		370	
Weight without ballast weights, kg	2285		2660	
Front ballast weights, [std.] kg	170			
STANDARD EQUIPMENT	front fenders, plough lamp			
OPTIONS	standard safety cab, rear weights up to 190 kg, 12F + 4R gearbox, trailer air braking system [single- and double-line], upper transport hitch			

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## URSUS 5312, 5314

- URSUS engine
- 8x2 gearbox with epicyclic reduction unit
- lift capacity to 2200kg



5312 (2RM)

5314(4RM)

Technical data	
ENGINE (make & model)	URSUS 4060
Engine type	diesel, naturally aspirated, direct injection, water cooled
Power, kW / HP at rpm [ECE R120]	55/75 at 2200
Torque, Nm at rpm	265 at 1400
Swept volume, cm <sup>3</sup> / no. of cylinders	3865 / 4
Air cleaner	oil bath type
Fuel tank capacity, L	80
TRANSMISSION	
Clutch	dry, double disc
Gearbox	8F + 2R with epicyclic reduction units
Rear axle	with mechanical differential lock and planetary hubs
Front axle	three section type   with planetary hubs
Max. speed km/h	30
POWER TAKE-OFF	
Type	live- proportional to engine speed
PTO speeds, rev./min.	540/1000
HYDRAULIC LIFT SYSTEM	
Function	draft, position and response control
Hydraulic pump oil flow, l/min	26,7
Nominal pressure, MPa	18
Hydraulic lift capacity, kg	2200
External hydraulics spool valves [std.]	single [2 quick couplings]
Three-point linkage	Cat. 2
STEERING SYSTEM	hydrostatic
Service brake	oil immersed, disc type, mechanically actuated together or independently
Parking brake	mechanical, hand actuated
WHEELS & TREADS	
Front / rear wheels	7,5 - 16 / 18,4-30   12,4/11-24 / 18,4-30
Front / rear treads, mm	1400, 1500, 1600, 1700, 1800   1475 - 1815
HITCHES	drawbar, front hitch
2-POST ROPS + SUNROOF	standard
Equipment	rear worklamp, beacon warning light
DIMENSIONS & WEIGHTS	
Length / Width / Height, mm	3775 / 2010 / 2410   3760 / 2010 / 2410
Wheelbase, mm	2290   2300
Ground clearance, mm	380   350
Weight without ballast weights, kg	2920   3240
Front ballast weights, [std.] kg	170
STANDARD EQUIPMENT	front fenders, plough lamp
OPTIONS	standard safety cab, rear weights up to 190 kg, 12F + 4R gearbox trailer air braking system [single- and double-line], upper transport hitch

## URSUS 6012, 6014

- URSUS engine
- 8x2 gearbox with epicyclic reduction unit
- lift capacity to 2200kg



6012 (2RM)

6014(4RM)

Technical data	
ENGINE (make & model)	URSUS 4060
Engine type	diesel, turbocharged, direct injection, water cooled
Power, kW / HP at rpm [ECE R120]	62 / 85 at 2200
Torque, Nm at rpm	313 at 1300
Swept volume, cm <sup>3</sup> / no. of cylinders	3865 / 4
Air cleaner	oil bath type
Fuel tank capacity, L	80
TRANSMISSION	
Clutch	dry, double disc
Gearbox	8F + 2R with epicyclic reduction units
Rear axle	with mechanical differential lock and planetary hubs
Front axle	three section type   with planetary hubs
Max. speed km/h	30
POWER TAKE-OFF	
Type	live- proportional to engine speed
PTO speeds, rev./min.	540/1000
HYDRAULIC LIFT SYSTEM	
Function	draft, position and response control
Hydraulic pump oil flow, l/min	26,7
Nominal pressure, MPa	18
Hydraulic lift capacity, kg	2200
External hydraulics spool valves [std.]	single [2 quick couplings]
Three-point linkage	Cat. 2
STEERING SYSTEM	hydrostatic
Service brake	oil immersed, disc type, mechanically operated together or independently
Parking brake	mechanical, hand actuated
WHEELS & TREADS	
Front / rear wheels	7,5 - 20 / 18,4-30   12,4/11-24 / 18,4-30
Front / rear treads, mm	1400, 1500, 1600, 1700, 1800   1475 - 1815
HITCHES	drawbar, front hitch
2-POST ROPS + SUNROOF	standard
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   350
Weight without ballast weights, kg	2970   3290
Front ballast weights, [std.] kg	170
STANDARD EQUIPMENT	front fenders, plough lamp, front weights 170 kg
OPTIONS	standard safety cab, rear weights up to 190 kg, 12F + 4R gearbox trailer air braking system [single- and double-line], upper transport hitch



# URSUS 6814, 8014, 8814

- DEUTZ engine
- 12x4 synChromesh gearbox with epicyclic reduction unit
- lift capacity - 3800 kg



6814                      8014                      8814

Technical data	6814	8014	8814
ENGINE [brand and model]	DEUTZ BF4M2012C		
Engine type	turbocharged	turbocharged with intercooler	
Power [ISO 14396] kW/HP at rpm	68/92 /2200	81/110 /2200	88/119 /2300
Max. torque, Nm at rpm.	422 / 1500	445 / 1500	
Capacity [cm ] / number of cylinders	4038 / 4		
Air cleaner	oil bath type		
Fuel tank capacity, l	180		
TRANSMISSION			
Clutch	single-disc, dry type		
Gearbox	12 x 4, synchromesh		
Rear axle	with mechanical differential lock and planetary hubs		
Front axle	with planetary hubs		
Maximum speed, km/h	40		
POWER TAKE-OFF [PTO]			
Type	IPTO, engaged electro-hydraulically		
PTO / engine speed, rev./min.	540/1000		
HYDRAULIC LIFT SYSTEM			
Functions	draft, position, response control		
Pump capacity, l/min	76		
Nominal pressure, MPa	18		
Lift capacity, kg	3800		
External hydraulics spool valves	2 [4 quick -couplings]		
THREE-POINT LINKAGE SYSTEM	cat. 2		
STEERING SYSTEM	hydrostatic		
BRAKING SYSTEM			
Service brake	oil immersed, disc type, hydraulically actuated		
Parking brake	mechanical, hand actuated		
WHEELS AND TREADS			
Front/rear wheels	13,6-24 / 16,9-34		
Front/rear treads, mm	1650/1710		
HITCHES [std.]	drawbar, front hitch		
CABIN	4-post witch sunroof		
Basic equipment	front/rear work lamps		
DIMENSIONS			
Length / width / height/, mm	4480/2230/2880		
Wheelbase, mm	2435		
Ground clearance, mm	440		
Weight without ballast weights, kg	4130		
Front ballast weights, [std.] kg	260		
STANDARD EQUIPMENT	front fenders, plough lamp		
OPTIONS	trailer air braking system, additional front weights 90 kg, rear weights up to 290 kg, beacon light, upper transport hitch, 4-post cab with heating and AC		



A = 4480 mm  
B = 2230 mm  
C = 2880 mm  
D = 2435mm

# URSUS 14014, 18014



14014                      18014

Technical data	14014	18014
ENGINE [brand and model]	DEUTZ BF6M1013E	DEUTZ BF06M1013E
Engine type	turbocharged	
Power [ISO 14396] kW/HP at rpm	103/140 / 2300	132/180 / 2200
Max. torque, Nm at rpm.	556/1400	667/1400
Capacity [cm ] / number of cylinders	7146 / 6	7146 / 6
Air cleaner	oil bath type	
Fuel tank capacity, l	310	
TRANSMISSION		
Clutch	two-disc, dry type with independent PTO clutch control	
Gearbox	16 x 8	16x16 with synchroshuttle
Rear axle	with mechanical differential lock and planetary hubs	
Front axle	with planetary hubs	
Maximum speed, km/h	40	
POWER TAKE-OFF [PTO]		
Type	with hand actuated PTO clutch	
PTO / engine speed, rev./min.	540/1000	
HYDRAULIC LIFT SYSTEM		
Functions	position control and floating position	
Pump capacity, l/min	88	85
Nominal pressure, MPa	18	
Lift capacity, kg	5600	6500
External hydraulics spool valves	2 [4 quick -couplings]	
THREE-POINT LINKAGE SYSTEM	cat.3	
STEERING SYSTEM	hydrostatic	
BRAKING SYSTEM		
Service brake	wet, disc type, hydraulically actuated	
Parking brake	mechanical, hand actuated	
WHEELS AND TREADS		
Front/rear wheels	13,6-24 / 18,4-34	420/85R28 / 520/85R38
Front/rear treads, mm	1945/1900	
HITCHES [std.]	front and bottom transport hitch	
CABIN	6-post	
Basic equipment	ventilation, front/rear work lamps, wipers and sprayers	
DIMENSIONS		
Length / width / height/, mm	5280/2360/2830	5250/2500/2970
Wheelbase, mm	2750	2855
Ground clearance, mm	415	425
Weight without ballast weights, kg	5440	6847
STANDARD EQUIPMENT		
OPTIONS	trailer air braking system, front weights 440 kg, beacon light	



A = 4480 mm                      A = 5280 mm                      A = 5250 mm  
B = 2230 mm                      B = 2360 mm                      B = 2500 mm  
C = 2880 mm                      C = 2830 mm                      C = 2970 mm  
D = 2435mm                      D = 2750 mm                      D = 2588 mm



URSUS 20014  
URSUS 25014

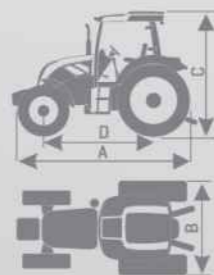


20014 25014

Technical data

ENGINE [brand and model]	DEUTZ BF6M1013EC	DEUTZ BF6M1013FC
Engine type	turbocharged with intercooler	
Power [ISO 14396] kW/HP at rpm	148 /200 - 2300	190/250 / 2300
Max. torque, Nm at at rpm	727 - 1400	1050 - 1500
Capacity [cm ] / number of cylinders	7145 /6	
Air filter	2-stage, dry type with contamination sender	
Fuel tank capacity, l	330	
TRANSMISSION	Automatic - 6 F / 1 R with front drive engagement	
Gearbox ALLISON 3000	GHM MTC 60/420 Distributor box - 50/50% for rear and front axle	
Distributor box	With planetary hub reduction units and hydraulically actuated brakes	
Rear axle - ZF	with planetary hub reduction units and brakes	
Front axle - Carraro	45	
Maximum speed, km/h	90	
HYDRAULIC SYSTEM	18	
Pump capacity, l/min	Single spool valve [2 quick -couplings]	
Nominal pressure, MPa	hydrostatic	
External hydraulics spool valves	oil immersed disc brakes hydraulically actuated, acting on rear and front wheels	
STEERING SYSTEM	mechanical, hand actuated	
BRAKING SYSTEM	16.9-28 / 20.8-38	
Service brake	2150 / 2150	
Parking brake	rear ø110 mm ball type pick-up hitch	
WHEELS AND TREADS	Comfortable cab on 4 shock absorbing pads	
Front/rear wheels	AC, front/rear work lamps, wipers and sprayers , external and internal rear view mirrors, beacon lamp	
Front/rear treads, mm	5200/ 2685/ 3100	
HITCHES [std.]	3150	
CABIN	380 under the automatic hitch, 440 under the front axle and, 600 under the rear axle	
Basic equipment	6000	
DIMENSIONS	6400	
Length / width / height/, mm	2-line trailer air braking system	
Wheelbase, mm		
Ground clearance, mm		
Weight without ballast weights, kg		
STANDARD EQUIPMENT		

OVERALL DIMENSION



A = 5200 mm  
B = 2580mm  
C = 3100 mm  
D = 3150 mm

A = 5200 mm  
B = 2580mm  
C = 3100 mm  
D = 3150 mm





# 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
- self-fastening tools



### technical data

	TUR2	TUR2A	TUR4M	TUR4F	TUR4	TUR6	TUR6A	TUR8
Nominal loading capacity, kg	500	500	500	800	1200	1650	1650	1650
Maximum loading capacity, kg	1000	1000	1000	1300	1500	2150	2150	2150
Lifting height, [A] m	2,8	2,8	2,7	3	3,3	3,3	3,6	3,9
Height of unloading, [B] m	2,4	2,4	2,1	2,5	2,8	2,8	3,1	3,4
Digging depth, [C] cm	0,16	0,16	0,16	0,18	0,16	0,16	0,16	0,16
Crowd, [D]°	50	50	45	46	46	46	46	46
Dump, [E]°	45	45	44	44	44	44	44	44
Crowd, [F]°	40	40	47	47	47	47	47	47
Dump, [G]°	55	55	95	110	110	110	110	110
Suitable tractor horsepower, HP	35-60	35-60	35-60	35-60	45-85	70-160	70-160	115-180

### In-line oil supply

The possibility of connecting the oil supply directly to the main oil gallery in newtypes 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.

### Selflubricating sleeves

Movable loader connections are made with the use of zinc-coated pins and selflubricating sleeves.

### 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.

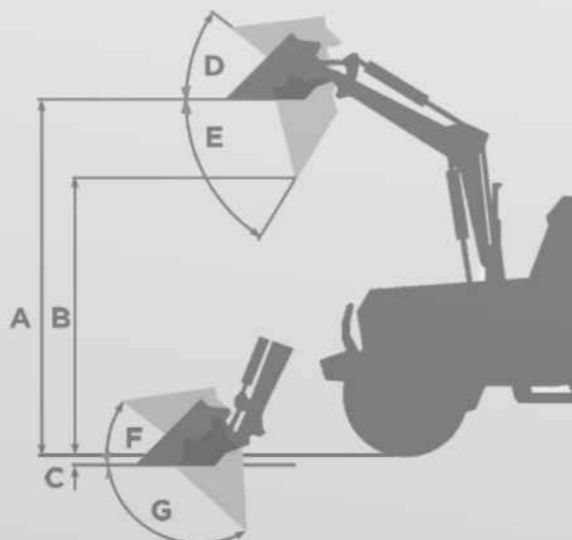
### Control valves with the sensor line

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].

### 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.

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



# FRONT LOADER TOOLS

TUR2, TUR2A, TUR4M, TUR4F, TUR4, TUR6, TUR6A, TUR8

bucket



Bucket G

Bucket H



Bucket K



Bucket LKP



Bucket O



Bucket P



Bucket A



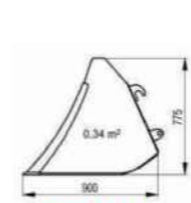
Bucket E



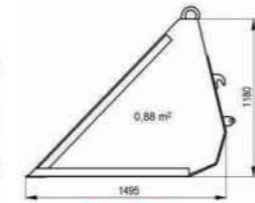
Bucket D



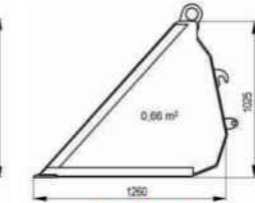
Bucket F



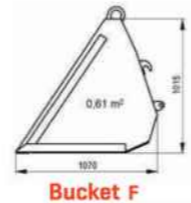
Bucket A



Bucket D



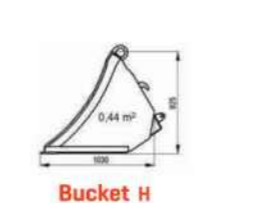
Bucket E



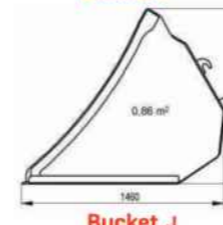
Bucket F



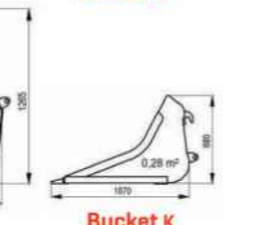
Bucket G



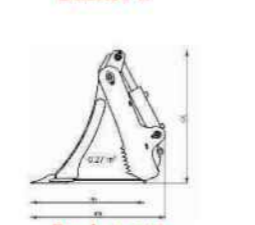
Bucket H



Bucket J



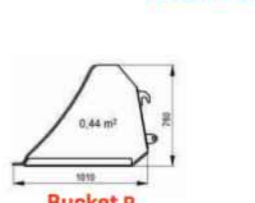
Bucket K



Bucket LKP



Bucket O



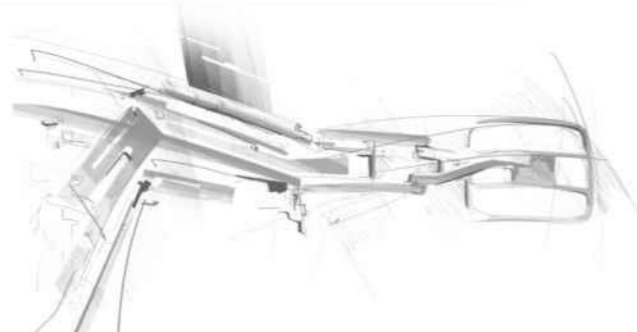
Bucket P

### BUCKETS TUR4;4M;4F;6;6A;8

	size[m]	weight [kg]	volume[m³]
1. Bucket „A“	1,2m	175	0,41m³
2. Bucket „A“	1,5m	215	0,51m³
3. Bucket „A“	1,8m	260	0,62m³
4. Bucket „A“	2,0m	300	0,68m³
5. Bucket „A“	2,2m	320	0,75m³
6. Bucket „A“	2,4m	345	0,82m³
7. Bucket „D“	2,2m	540	1,76m³
8. Bucket „D“	2,2m	580	1,94m³
9. Bucket „D“	2,4m	620	2,11m³
10. Bucket „E“	2,0m	510	1,31m³
11. Bucket „E“	2,2m	540	1,45m³
12. Bucket „E“	2,4m	570	1,58m³
13. Grain bucket „F“	1,8m	370	1,1m³
14. Grain bucket „F“	2,0m	410	1,22m³
15. Grain bucket „F“	2,2m	450	1,34m³
16. Grain bucket „F“	2,4m	490	1,45m³
17. Grain bucket „F“	2,6m	530	1,58m³
18. Bucket „J“	2,2m	900	1,88m³
19. Bucket „J“	2,4m	940	2,06m³
20. Bucket „H“	2,0m	615	0,88m³
21. Bucket „H“	2,2m	660	0,97m³
22. Bucket „H“	2,4m	690	1,06m³
23. Earth bucket with teeth „H“	2,0m	630	0,88m³
24. Earth bucket with teeth „H“	2,2m	675	0,97m³
25. Earth bucket with teeth „H“	2,4m	705	1,06m³
26. Bucket „G“	2,0m	425	0,86m³
27. Bucket „G“	2,2m	465	0,95m³
28. Bucket „G“	2,4m	505	1,03m³
29. Bucket with teeth „G“	2,0m	425	0,86m³
30. Bucket with teeth „G“	2,2m	465	0,96m³
31. Bucket with teeth „G“	2,4m	505	1,03m³
32. Bucket for a root crops „P“	1,8m	245	0,79m³
33. Bucket for a root crops „P“	2,0m	280	0,88m³
34. Bucket for a root crops „P“	2,2m	300	0,96m³
35. Openable bucket 4 in 1 „LKP“	1,8m	500	0,48m³
36. Openable bucket 4 in 1 „LKP“	2,4m	710	0,64m³
37. Openable bucket to grain „O“	2,0m	690	1,98m³
38. Openable bucket to grain „O“	2,4m	790	2,5m³
39. Bucket for a stones „K“	1,5m	290	0,42m³
40. Bucket for a stones „K“	1,8m	320	0,51m³
41. Bucket for a stones „K“	2,0m	360	0,56m³



grabs, forks, snow plough



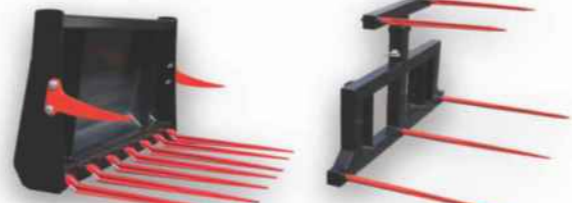
Big grab for silage bales

Small grab for silage bales



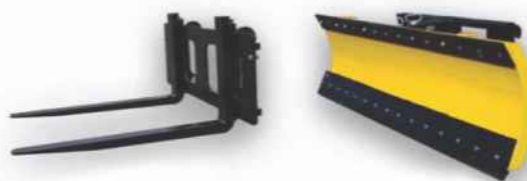
„Krokodyl” - type silage grab with bucket

„Krokodyl” - type silage grab



Manure and straw bales fork

Square bale fork



Pallet fork

Snow plough



Pallet fork

Fork for bole



Big Bag carrier

GRABS TUR4;4M;4F;6;6A;8

	size [m]	weight [kg]
1. "Crocodile" type grab 1-cyl	1,4	250
2. "Crocodile" type grab 1-cyl	1,6	290
3. "Crocodile" type grab 2-cyl	1,6	320
4. "Crocodile" type grab 2-cyl	1,8	350
5. "Crocodile" type grab 2-cyl	2,0	370
6. "Crocodile" type grab 2-cyl	2,2	410
7. "Crocodile" type grab 2-cyl	2,4	450
8. "Crocodile" grab with bucket 1-cyl	1,4	330
9. "Crocodile" grab with bucket 1-cyl	1,6	360
10. "Crocodile" grab with bucket 2-cyl	1,6	390
11. "Crocodile" grab with bucket 2-cyl	1,8	430
12. "Crocodile" grab with bucket 2-cyl	2,0	450
13. "Crocodile" grab with bucket 2-cyl	2,2	480
14. "Crocodile" grab with bucket 2-cyl	2,4	520
15. Grab for wrapped bales	1,0-1,4	170
16. Grab for wrapped bales	0,9-1,8	240

FORKS TUR4;4M;4F;6;6A;8

	size[m]	weight [kg]
1. Fork for manure and straw	1,4	140
2. Fork for manure and straw	1,6	150
3. Fork for manure and straw	1,8	160
4. Fork for manure and straw	2,0	170
5. Fork for manure and straw	2,2	180
6. Snow plough	2,2	310

ADJUSTABLE PALLET FORKS TUR4;4M;4F;6;6A;8

	lift[kg]	mass[kg]
1. Adjustable pallet forks	1600	145

BUCKET TUR2;2A

	size[m]	weight [kg]	volume[m³]
1. Bucket for loose material „I”	1,1	90	0,30
2. Bucket for loose material „L”	1,5	115	0,24

FORK TUR2;2A

	size[m]	weight [kg]
1. Fork for manure and straw bales	1,1	90

SNOW PLOUGH TUR2;2A

	size[m]	weight [kg]
1. Snow plough fitted to the outrigger	1,6	130

GRABS TUR2A

	size[m]	weight [kg]
1. „Crocodile” type silagegrab: 1-cyl	1,1	170

TABLES OF FRONT LOADER SELECTION  
TUR 2,2A, 4, 4M, 4F, 6, 6A, 8

TUR 2/2A

URSUS C-330, C-360, C-360 3P, C-335  
MASSEY FERGUSON 235, 255, 2812,  
POWER TRACK E-450, E-450 (nowy przód wspomaganie)  
ESCORT E-335  
WLADYMIREC T-25, T-30

TUR 4

URSUS 4512, 4514, 5312, 5314, 6012, 6014, 5714, 5024 (j), 6024 (j), 8014H (j), C-380, C-380M  
POL-MOT FOTON 824(j), FOTON 904 (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 77DT (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) TD 5.65, TD 5.75, TD 5.85>2015R.(TIER4),  
FARMTRAC 70 (j), 70 4 WD, 665 (j), 80 (j), 675 DT (j), 670 DT  
JOHN DEERE\*\*\*\* 5310, 5410 (j), 5515 (j)  
CASE JX 60 (j), JX 70 (j), 65C Quantum (j) JX 60 (j), JX 70 TIER III (EURO III) (j), FARMALL A -65, -75, -85,  
KUBOTA M6040 (J) M7040 HS (j)

TUR 4F

POL-MOT FOTON 604 (j), 704 (j)  
SONALIKA DI 60 (j)  
FARMTRAC 555DT (j), 545DT (j)  
KUBOTA ME 5700 (j)

TUR 6A

URSUS 10014H, 11024, 11054, C-3110 (front, rear wheels - wide)  
MASSEY FERGUSON 3080 (j), 3060, 4455, 3115  
NEW HOLLAND TS 110 A (j), TS 100 A (j), T6010 Plus (j), T610 Delta (j) T6020 Plus (j), T6020 Delta (j), T6020 Elite  
CASE 110 Maxxum, 120 Maxxum, 130 Maxxum CS95 PRO, CS85 PRO, CS 105 PRO  
JOHN DEERE \*\*\*\* 5620, 5720, 5820, 6120, 6220, 6320, 6420 (j), 5085M  
PRONAR MTZ 1025 (j), 1025 A II (j)  
FENDT 310LSA FARMER (j)  
LAMBORGHINI R3 EVO 85 DT, 100 DT  
DEUTZ FAHR AGROFARM 85, 95 DT, 100 DT (j), 410, 420 DT, 430 DT, 5100P, 5110P, 5120P, 5130P, 5115.4G, 6130.4, 6150.4  
SAME EXPLORER R3 85, 100 (j)  
VALTRA N82, N92, N103.H5  
RENAULT 355X Ceres  
CLAAS Axos 320  
ZETOR 9641 Forterra (j), 10641 Forterra (J), 11441, Forterra (j), 9641, 10541, 10641

TUR 4M

URSUS 5044, C-350 (4M wide)  
DONG FENG DF 504 (j)  
NEW HOLLAND TT 65 (j), TD3.50, TD 4020 F

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), 9014 H, 11054, C-3110 (front, rear wheels - standard)  
CASE FARMALL A - 95, -105, 115, FARMALL C - 85, -95, -105  
ZETOR 8045, 8145, 8011, 8245, 9540 (j), 10540 (j), 8540 (j)  
BIALORUS 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, T5.95, T5.105, T5.115 ELECTRO COMAND, TD 5.95, TD 5.105, TD 5.115 (także z rewersem), T4.85, T4.95, T4.105,  
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 (j), 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  
FARMTRACK 685 DT

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), TS115 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)  
CLAAS ARION 610C, 620C, 630C  
FORTSCHIRT 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 N91 (j), N 101 (j), N111 (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 (j)  
VALTRA T 140-4, T 133, T 153,



# TELESCOPIC AND FRAME LOADER TOOLS

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

BUCKET WITH ROUND BOTTOM	size[m]	weight [kg]	volume[m <sup>3</sup> ]
1. Bucket „H”	2,0m	615	0,88m <sup>3</sup>
2. Bucket „H”	2,2m	660	0,97m <sup>3</sup>
3. Bucket „H”	2,4m	690	1,06m <sup>3</sup>

GRABS	size[m]	weight [kg]	volume[m <sup>3</sup> ]
1. "Crocodile" type grab 2-cyl	1,8m	500	1,35m <sup>3</sup>
2. "Crocodile" type grab 2-cyl	2,0m	560	1,50m <sup>3</sup>
3. "Crocodile" type grab 2-cyl	2,2m	610	1,65m <sup>3</sup>
4. "Crocodile" type grab 2-cyl	2,4m	670	1,80m <sup>3</sup>
5. "Crocodile" grab with bucket 2-cyl	1,8m	530	1,44m <sup>3</sup>
6. "Crocodile" grab with bucket 2-cyl	2,0m	610	1,60m <sup>3</sup>
7. "Crocodile" grab with bucket 2-cyl	2,2m	690	1,76m <sup>3</sup>
8. "Crocodile" grab with bucket 2-cyl	2,4m	770	1,92m <sup>3</sup>
9. "Crocod." grab with bucket for srcap 2-cyl	1,8m	830	1,62m <sup>3</sup>
10. "Crocod." grab with bucket for srcap 2-cyl	2,1m	950	1,89m <sup>3</sup>

BUCKET WITH STRAIGHT BOTTOM	size[m]	weight [kg]	volume[m <sup>3</sup> ]
1. Bucket „D”	1,8m	500	1,58m <sup>3</sup>
2. Bucket „D”	2,0m	540	1,76m <sup>3</sup>
3. Bucket „D”	2,2m	580	1,93m <sup>3</sup>
4. Bucket „D”	2,4m	650	2,11m <sup>3</sup>
5. Bucket „F”	1,8m	250	1,09m <sup>3</sup>
6. Bucket „F”	2,0m	290	1,22m <sup>3</sup>
7. Bucket „F”	2,2m	430	1,34m <sup>3</sup>
8. Bucket „F”	2,4m	480	1,46m <sup>3</sup>
9. Openable bucket 4 in 1 „LKP”	1,8m	500	0,48m <sup>3</sup>
10. Openable bucket 4 in 1 „LKP”	2,4m	710	0,64m <sup>3</sup>
11. Openable bucket to grain „O”	2,0m	690	1,98m <sup>3</sup>
12. Openable bucket to grain „O”	2,4m	790	2,5m <sup>3</sup>
13. Bucket for a stones „K”	1,5m	290	0,42m <sup>3</sup>
14. Bucket for a stones „K”	1,8m	320	0,51m <sup>3</sup>
15. Bucket for a stones „K”	2,0m	360	0,56m <sup>3</sup>



# MIKRUS

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

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.

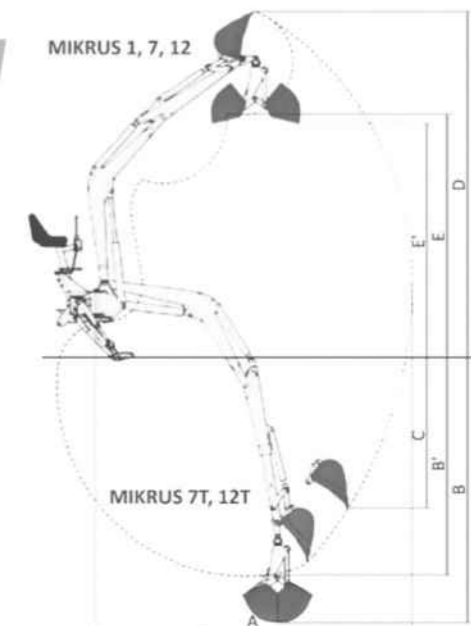
Since there are many types of this machine and various tools, the machine can be fitted with the needed tool easily.

	1	7	7T	12	12T
Maximum digging reach [A], mm	3835	4100	4580	4600	5235
Maximum digging depth with grab [B/B1], mm	1800	3050/2350	3590/2890	3550/2850	4200/3550
Maximum vertical digging depth [C], mm	1500	1700	2150	1900	2600
Maximum digging depth [D], mm	4175	4455	4720	4950	5320
Maximum unloading height [E/E1], mm	2750	3225/2870	3510/3250	3590/3240	3959/3610
Turning angle	180°				
Bucket cutting force, kg	1300	1960		2800	
Arm cutting force, kg	800	1120	1180-870	1670	1790-1050
Maximum lift capacity, kg	350	600	630-450	765	780-550
Working pressure, bar	160				
Oil pump output at 430-450 rpm of PTO, l/min	23	min. 34		min. 45	
Weight with standard bucket, kg	350	690	740	850	920
Min, tractor horsepower, kW/HP	22/30	30/40		44/60	

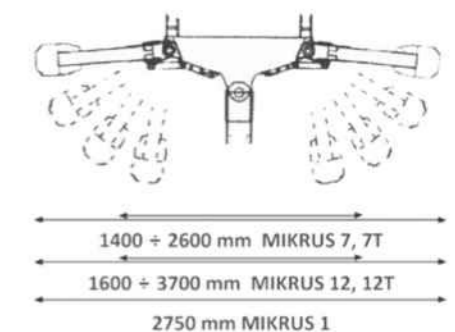
## MIKRUS 1, 7, 7T, 12, 12T



MIKRUS TOOLS



Hydraulically lowered supports with a span change mechanism





### Z-597 ROUND BALER

NOVELTY!

- electronic control
- five-bar pick-up
- possibility of choosing the quantity of the cutting knives
- central chain lubrication system in standard



roller and chainslats round balers for green fodder and straw materials

The Z-597 round balers are intended for baling straw material (up to 25% moisture) from 2160 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. The Z-597 model has a rotor with cutting system, ensuring uniform ensilage and better digestion quality of the feed. Z-597 baler is provided with a net binding system only. The round balers are equipped with acoustic and light indicators signaling filling up of a chamber. The round balers are fully suited for road transport.

#### Z-543/A

#### Z-597

Dimensions:	Z-543/A	Z-597
length x width x height, mm	3535 x 2450 x 2100	3730 x 2460 x 2515
Weight, kg	2090	2850
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 bale, kg		300 - 1000
Output: num. of bales per hour.	20 - 35	20 - 45
PTO speed, rpm		540
Min. tractor horsepower, kW/HP	35 / 48	70 / 96
Wheel track, mm		2100
Tire size		400/60 15,5 14PR
Load on tractor hitch, kN/kg	3,7 (380)	4,7 (470)
Pick-up working width, mm	1900	2160
Options	single / double string wrapping mechanism, central chain lubrication system,	tyre: 500-50-R17 jointed telescopic shaft

### Z-543/A ROUND BALERS

- proven and simple design
- high efficiency and degree of compaction
- net wrapping mechanism as standard
- failure-free operation in the harsh conditions

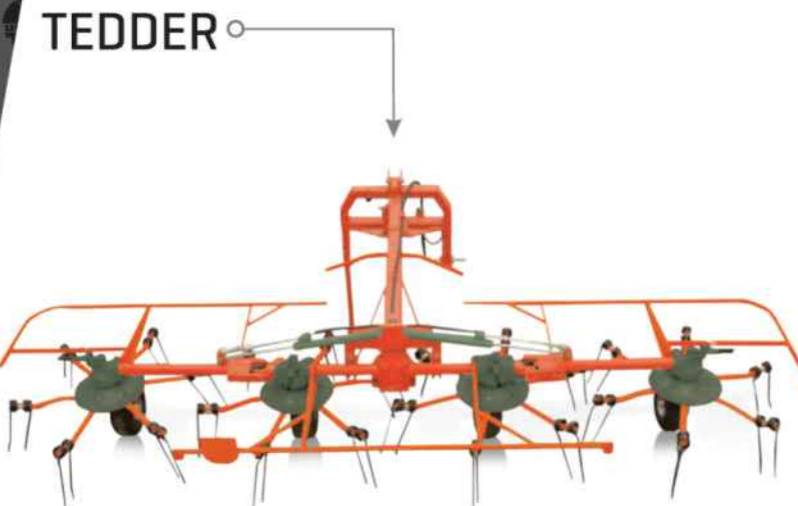


The Z-543/A round balers are intended for baling straw material (up to 25% moisture) from 1900 mm wide windrows and dry off green fodder (up to 40-60% moisture) intended for hay silage. The material is rolled into bales of 1200 mm diameter. Bales made by Z-543/A baler are bound with string or with a net. Z-543/A balers can be 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

### Z-556 ROTARY TEDDER

Number of rotors	4
Number arms on the rotor	6
Work width, m	5,2
Transport width, m.	2,6
Tires size	15/6.00 - 6 4PR
Weight, kg	470
PTO speed, rpm	540
Min. tractor horsepower, kW/HP	20/27



Z-556 rotary tedder is used for spreading and tedding freshly mown, semi-dry and dry grass, green fodder (lucerne, clover, mixed cereals) and post-harvest straw.

### Z-554 RAKE

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

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.

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





## 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

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	5650x 2330 x 2385
Weight, kg	1450
Foil width, mm	500, 750
Wrapping counter	electronic
Tyre size	11.5/80- 15,3
Option	400/60-15,5 tyres



max bale weight - 1000 kg

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 track of 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.

## 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

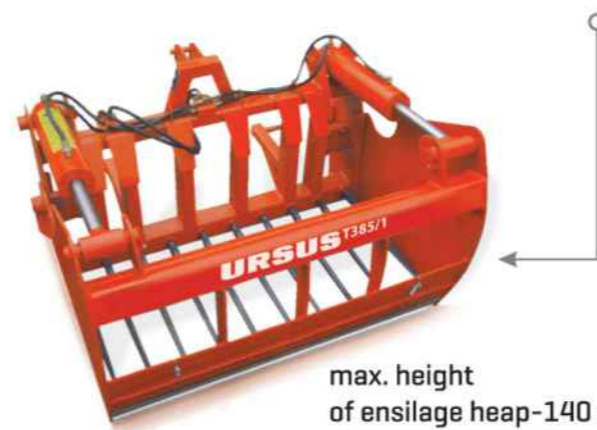
Weight, kg	620
Length, mm	1700
Working width, mm	1930
Height, mm	1750
Min. tractor horsepower, kW/KM	15-20/20-27

Max. height of ensilage heap, cm	140
Block volume, m. <sup>3</sup>	0,8
Max. weight of block, kg	1000
Machine weight, kg	410
Length/width/height, m	1,22/1,52/0,90

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 guarantees 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.

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	2050
Minimum tractor horsepower, kW/HP	50/68
Loading area, m	12
Overall dimensions:	
length x width x height, mm	6530 x 2550 x 2980
Internal dimensions of the load carrying body:	
length x width, mm	5060 x 2380
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]

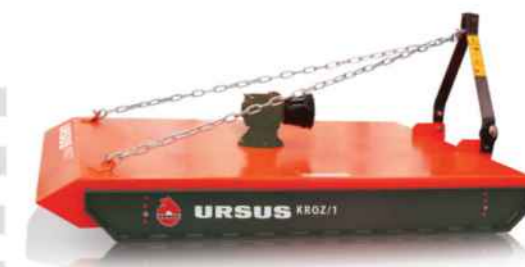


The T-127 bale trailer is intended for loading, transporting and unloading [stacking] bales of hay and straw. The operation of the machine is fully automatic. The tractor operator controls the machine by means of control unit located in the cab. The bale trailer is intended for use with tractors having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

## KROZ/1 MOWER-SHREDDER

- movable knives, retreating in contact with hard objects;
- skids allowing to adjust the height of cutting in 4 positions

Number of working rotors,	1
Number of knives	2
Working width, m	1,8
Total width, m	1,93
Height adjustment	Yes
PTO speed, rpm	540
Min. tractor power kW/HP	45/61



working width - 1,8m

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.



## PLATFORMA B-7

- 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.

	B-7	B-14	B-18
Load capacity, t	7	14	18
Weight, kg	1890	3920	
Overall dimensions with folded lades:			
length x width x height, mm	8980 X 2440 x 1900	9754x2420x1999	
Overall dimensions with unfolded lades:			
length x width x height, mm	8980 X 3090 X 1900	12000x2550x3205	
Platform overall dimensions		10336x2550x3205	
Wheel track, mm	1825		
Wheelbase, mm	4455	6560	
Height of platform above the ground, mm	1060	1184	
Loading area, m	15,3	23,6	
Travelling speed, km/h	25	40	
Tire size	400/60-15,5 14 PR	505/50 R17	
Min, tractor horsepower, kW/HP	35/48	70/95	
Standard equipment		LED lights	
In options		oolbox, foldable side protection, stakes	

hydraulic brakes

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.



## B-14, B18 PLATFORMS

**NOVELTY!**

- capacity: about 40 square or 34 round bales
- double-line air braking installation with automatic regulation of braking force
- rear bumper made of aluminum
- foldable front and rear wall
- parabolic leaf springs

Can be used as a transport trailer for transportation of timber or as a transport box.



B-14 platform has a innovative security of frony and rear wall. In the design two lines inside the trailer were used. This solution provides protection against damage of foil of the bale. The high-resistant steel floor is consisting of a one single piece. The option included: toolbox 45 l, foldable side protection made of aluminum and stakes





# MANURE SPREADERS

**N-228, N-218**

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



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	N-218/P
Type of axle	1		rigid tandem
Load capacity, t	4,5		6
Loading capacity with/without extensions, m	6,7/4		7,56/4,68
Loading area, m	6,67		7,8
Adapter	horizontal, two-drum, paddle type		vertical, four-drum, worm type
Spreading width, m		2, 2	5 - 6
Type of floor conveyor	two-chain with mechanical drive		four-chain with mechanical drive
Tyre size	400/60-1 5,5 14 PR		500/50-17 14PR
Wheel track, mm	1500		
Braking system	pneumatic, double-line		
Overall dimensions:			
length x width x height, mm	5700 x 2055 x 2900		5850x2310x3000
Internal dimensions of body:			
length x width x height, mm	3890 x 1740 x 600	3890 x 1990 x [600+ 400]	3890 x 2310 x [600 + 400]
Spreader/ adapter weight, kg	1560/125	2000/130	2000/410
Travel speed, km/h	25		
Min. tractor horsepower, kW/HP	3 5 / 4 8		4 5 / 6 0
Load on tractor hitch, kN/kg	9,4 [960]		12 [1230]
Options	horizontal, two-drum worm-type adapter,	hydraulically controlled end gate, horizontal, two-drum, worm-type adapter, hydraulically driven floor conveyor, 1000 mm extension sides [after dismantling the adapter and installing these extensions the machine is converted in volume trailer]	



horizontal, two - drum adapter



vertical, four - drum adapter

# MANURE SPREADERS

**N-266/1 i N-270**

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

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-266/1	N-270
Load capacity, t	8	14
Weight with adapter, kg	3300	6300
Adapter weight, kg	590	780
Loading area, m	7.1	12.4
Capacity, m	9.2	15.5
Type of conveyor	four-chain with hydraulic drive	
Adapter	vertical, four-drum, worm type	
Spreading width, m	5-6	
Internal dimensions of body:		
length x width x height, mm	3850x1990x1200	5800x2140x1250
Overall dimensions:		
length x width x height, mm	6125x2320x3060	8050 x 2480 x 3420
Load on tractor hitch, kN/kg	12,7 [1300]	29,4 [3000]
Wheel track, mm	1550	1800
Tyre size	500/50 R17[opt. 400/60 15,5 14PR]	19,5 R22,5 [opt. 600/50 R22,5]
Braking system	pneumatic, double- line acting on all wheels	
Chassis	rigid	rigid or sprung [in option]
Speed, km/h	30	40
Min. tractor horsepower kW/HP	70/95	110 / 150
Options:	hydraulic brakes	



loading capacity of 8 t



loading capacity of 14 t



# MANURE SPREADERS

## N-265, N-265A

- 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

The 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, 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 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
Type of axle		1
Load capacity, t		10
Capacity, m		13,8
Loading area, m		8,4
Adapter	vertical, two-drum worm-type	
Spreading width, m	8-9	
Type of floor conveyor		
Tyre size	19,0/45xR17	23,1 - R26
Wheel track, mm	1850	2250
Braking system		
Overall dimensions:		
length x width x height, mm	8120 x 2380 x 2990	8129x2850x3000
Internal dimensions of body:		
length x width x height, mm	5600 x 1520 x 1410	5600x1520x1410
Spreader/adapter weight, kg	4150/570	
Driving speed, km/h	30	
Min. tractor horsepower, kW/HP	81/110	
Load on tractor hitch, kN [kg]	25,5 [2600]	27,0 [2750]
Options:	tyres 500-50x17 disc-type adapter hydraulic brakes	



The disc adapter with a horizontal two-drum worm-type feeding unit for spreading manure, sludge, compost and peat within a width of 8-16 m.

loading capacity of 10 t

loading capacity of 10 t





dropside, double-axle TRAILERS

D-606, D-608, D-610, D-612, D-614

- 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



The D-606, D-608, D-610, D-612, D-614 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 2,4 m width of the loading platform allows them to be successfully used for transporting 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 guarantees failure-free operation for many years.

	D-606	D-608	D-610	D-612	D-614
Load capacity, t	up to 6	up to 8	up to 10	up to 12	up to 14
Min. tractor horsepower, kW/HP	35(47)	45(61)	55(75)	65(88)	80(109)
Platform area, m <sup>2</sup>	10,70		12,3		
Capacity of the main load-body, m <sup>3</sup>	5,35 [10,7 with extension]		6,15 [12,3 with exten.]	7,35 [14,7with exten.]	7,35 [17,1 with exten.]
Overall dimensions:					
length x width x height, mm	6600/2550/2120	6600/2550/2160+2370	7130/2550/2360+2560	7130/2550/2560+2760	7130/2550/2760+2860
Internal dimensions of the load body:					
length x width x height/exten., mm	4440 x 2410 x 500/500	5100x2410x500/500		5100 x 2410 x 600/600	5100 x 2410 x 600/800
Platform height over the ground, mm	1120	1160+1330	1330+1530	1330+1530	1330+1430
Wheelbase, mm	1800		1850		
Suspension	parabolic springs				
Tire size	400/60-15,5 14PR		385/65-R22,5 [15R22,5]		
Unloading system	three-sided				
Body type	dropside				
Standard equipment	manual rear hitch, hydraulic, pneumatic and electric connections to second trailer				
Options	extension, balcony, canvas with the frame, spare wheel, wheel chocks, fenders, hydraulic brakes, tools box, LED lights, rear, side chute, rear hitch automatic, painting to customer order				
Wheels:	14.0/65-16 14PR	14.0/65-16 14PR 12,5/80-18 14PR	425/65-R22,5, 445/50-R22,5 455/40-R22,5, 500/45-R22,5	455/40-R22,5	



loading capacity 6 -14 t



Toolbox and the water tank



Hydraulic, pneumatic and electric connection to second trailer

dropside, single-axle TRAILERS T-040

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

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 guarantees 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.

	T-040
Load capacity, t	3,5
Trailer weight, kg	1230
Min. tractor horsepower, kW/HP	35/48
Platform area, m	6,39
Capacity of the main load-carrying body, m	3,2
Capacity of the body with extension sides, m	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	40
Load on tractor hitch, kN/kg	7,2 [740]
Standard equipment	300 mm extension sides
Options	400/60 -15,5 12 PR tyres hydraulic brakes



T-042, T-080/2A

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

	T-042	T-080/2A
Load capacity, t	7	10
Trailer weight, kg	2170	2732
Min. tractor horsepower, kW/HP	50/68	70/95
Platform area, m	7,86	10,20
Capacity of the body with ext. sides, m	7,86	12,30
Overall dimensions with extension sides:		
length x width x height, mm	5275 x 2310 x 1520	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	40	25 (40 for T-080/2A)
Load on tractor hitch, kN/kg	1482 [1500]	18,32[1900]
Option	400/60 x 15,5 14PR tires / hydraulic brakes, spare wheel	



diameter of the drawbars eye 50mm [40mm in option]

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.



monocoque, single-axle  
**TRAILERS**  
**T-083/A**

The 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.



**T-083/A**

Load capacity, t	10
Trailer weight, kg	2720
Min. tractor horsepower, kW/HP	70 / 95
Platform area, m	9,90
Capacity of the body with side extensions, m	10,86
Overall dimensions without extension sides:	
length x width x height, mm	6015 x 2440 x 1800
Internal dimensions of the load-carrying body:	
length x width x height, mm	4510 x 2200 x 1100
Height with side extensions, mm	1100
Tire size	400-60 R15
Braking system	pneumatic, double-line
Unloading	backwards
Body type	monocoque
Driving speed, km/h	40
Load on tractor hitch, kN[kg]	17,84 [1820]
Standard equipment	extension 400 mm
Options	manual rear hitch, hydraulic, pneumatic and electric connections to second trailer spare wheel, fenders, wheel wedges, hydraulic support, hydraulic brakes, balcony, canvas with the frame painting to customer order

loading capacity 10 t

**NOVELTY!**

monocoque, single-axle  
**CONSTRUCTION**  
**TRAILERS**  
**T-623, T-623/2**

- robust design
- suitable for high point pressures [HARDOX 400 metal sheet]
- suspension system ensuring excellent
- traction characteristics of a set

	T-623	T-623/2
Load capacity, t	12	14
Trailer weight, kg	4 150	4 620
Min. tractor horsepower, kW/HP	70/95	
Platform area, m	10,20	12,50
Capacity of the main body, m	7,02	10,00
Overall dim. without ext. sides:		
length x width x height, mm	5,86 x 2,40 x 0,75	6,82 x 2,54 x 0,85
Internal dim. of the body:		
length x width x height, mm	4,23 x 2,40 x 0,69	5,20 x 2,40 x 0,80
Tire size	505/50 R17 146G	385/65 R 22,5
Braking system	pneumatic, double-line	
Unloading	backwards	
Body type	monocoque	
Driving speed, km/h	40	
Load on tractor hitch, kN[kg]	24 [2450]	28[2850]
Options	hydraulic brakes, extensions 1000 mm	



**T-041K/N**

Load capacity, t	10
Trailer weight, kg	3 000
Min. tractor horsepower, kW/HP	70/95
Platform area, m	8,80
Capacity of the main body, m	4,80
Overall dim. without ext. sides:	
length x width x height, mm	5,27 x 2,35 x 0,65
Internal dim. of the body:	
length x width x height, mm	3,47 x 2,35 x 0,59
Tire size	505/50 R17 146G
Braking system	pneumatic, double-line
Unloading	backwards
Body type	monocoque
Driving speed, km/h	40
Load on tractor hitch, kN[kg]	24 [2450]
Options:	hydraulic brakes extensions 1000 mm

**T-041K/N**



loading capacity 10 t



# SCT12& SCT15 SUGAR CANE TRAILERS

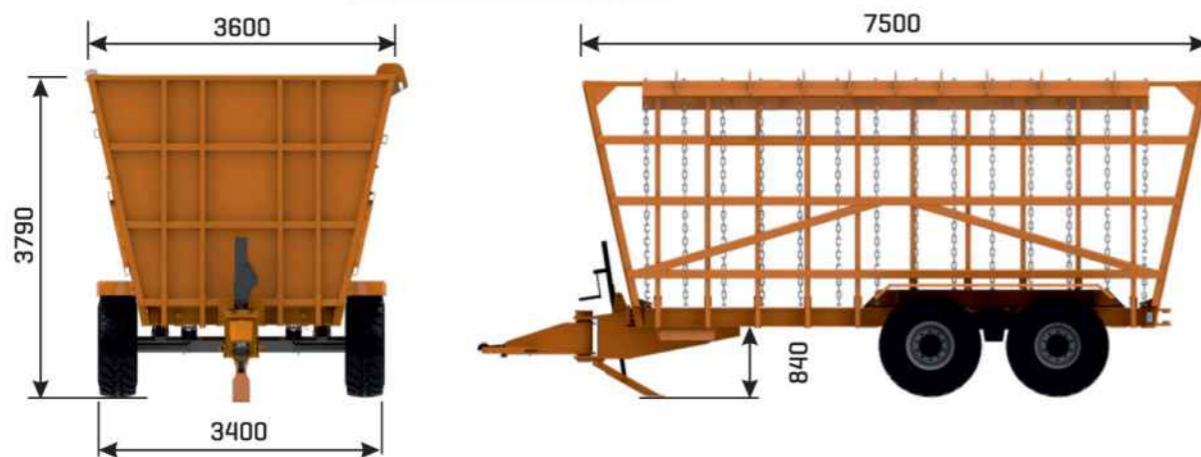
## CANE TRAILERS IN TANDEM

**NOVELTY!**

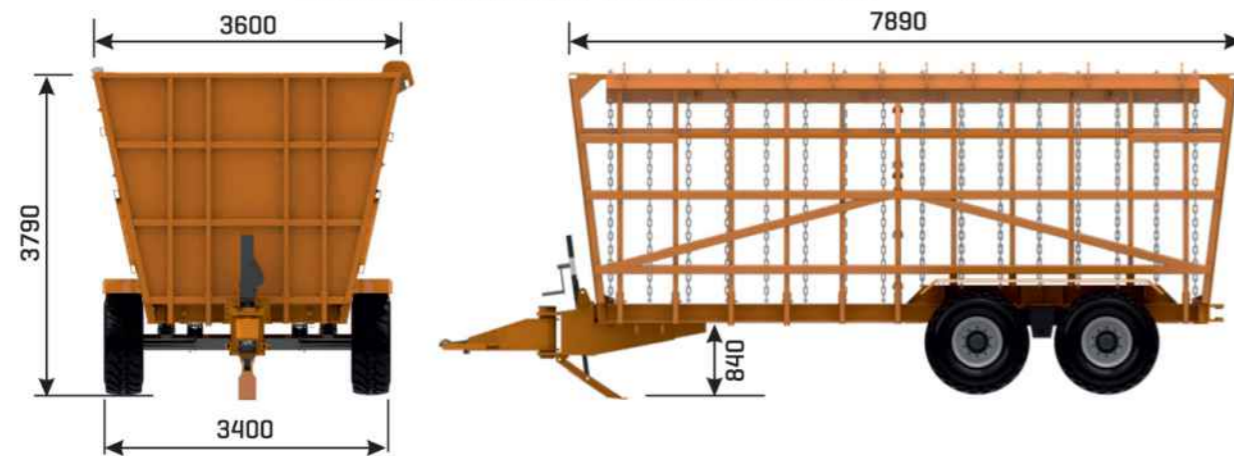
- robust design
- excellent manoeuvrability of the set due to application of swinging drawbar
- swinging drawbar fitted with ball type hook socket
- rapid discharge of sugar cane by means of spiller bar and chain net system
- smooth interior faces of front and rear boards to ease the unloading
- heavy duty puncture-proof tyres



12 TON LOAD CAPACITY TRAILER DIMENSIONS

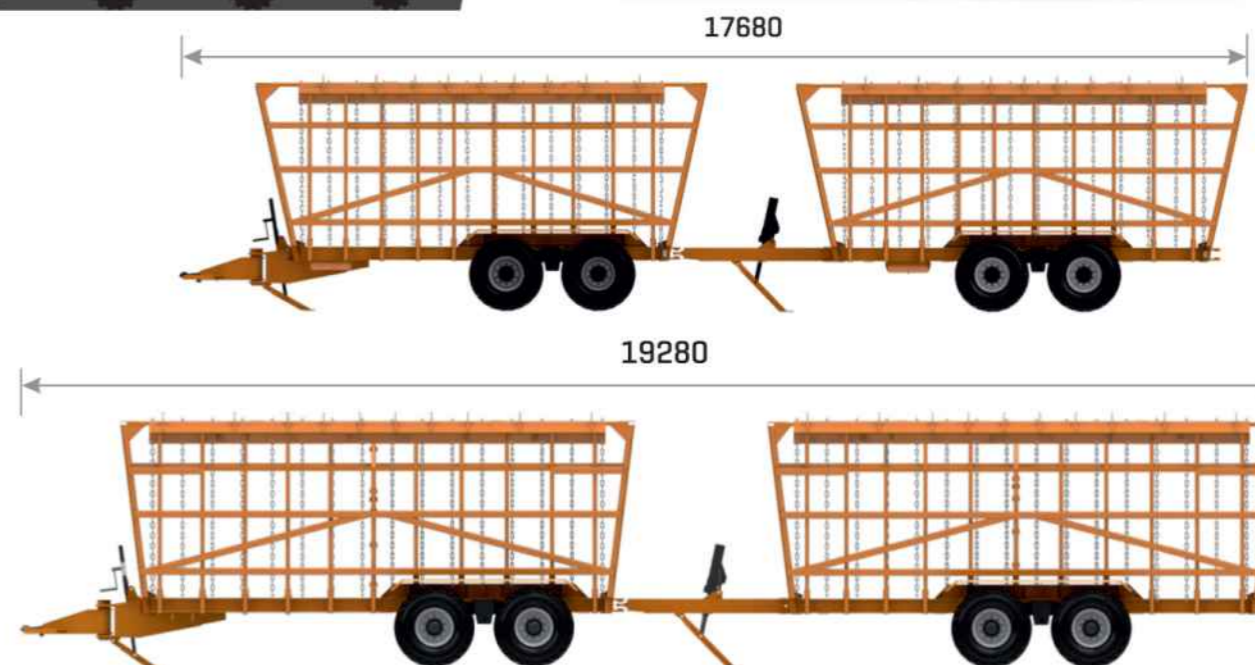
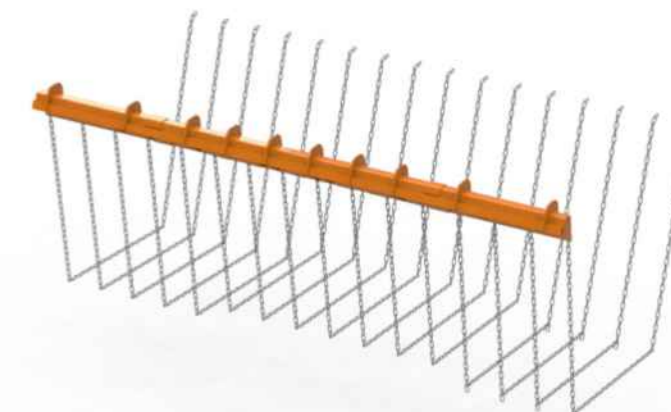


15 TON LOAD CAPACITY TRAILER DIMENSIONS



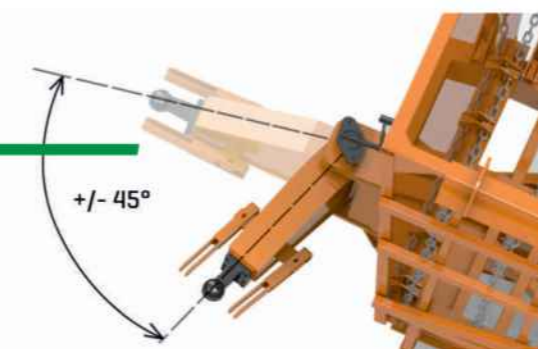
### Spiller bar and chain net unloading system

- the trailers can be loaded from both sides, unloading is carried out using the spillerr bar and chain net system,
- the shape of each trailer compartment allows unloading using "Hilo cane" system (to manoeuvre the spiller bar for unloading) or similar machine/system,
- the chains are spaced evenly along trailer length and are secured to the side board by means of shackles to ease assembly and replacement of the chains,



Drawbar of the first trailer is of swinging type with socket to match the bole type automatic hitch on the tractor.

Swinging type drawbar allows to make the tractor turns of 90° [45° to the left and 45° to the right] relative to the trailer without tractor rear wheels fouling the trailer and/or drawbar



Heavy duty puncture-proof tyres



Water filled volumem= 48 m<sup>3</sup>  
700mm bulged volume = 60 m<sup>3</sup>



Water filled volumem= 58 m<sup>3</sup>  
700mm bulged volume = 74 m<sup>3</sup>



# SNOW PLOUGHS

robust design

various widths of snow

design that fits different types of tractors

## NOVELTY!

### PLOUGH: PDZ 22, PDZ 24, PDZ 28, PDZ 30

A characteristic feature of the structure are movable mouldboards with variable geometry, enabling smooth setting the plow through hydraulic actuators (within ± 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 flexible and durable at low temperatures. Springs suspended tipping shares provide trouble-free and secure overcoming obstacles on the road.

Additional equipment to fit the plow is required:

1. Front 3-point hitch [2t]
2. Joystic controlled electro-hydraulic valve



PDZ 24 i PDZ 28 diagram



	Support wheel	Skid	Side copying	Another types of fixing
PDV 1,5m	○	○	✓	●
PDZ 2,2m	○	○	●	●
PDZ 2,4m	○	○	●	●
PDZ 2,8m	●	●	●	●
PDZ 3,0m	●	●	●	●
PDC 2,0m	●	●	●	●
PDC 2,2m	○	○	✓	○

○ - without ● - option ✓ - standard

	PDV 15	PDC 20	PDC 22	PDZ 22	PDZ 24	PDZ 28	PDZ 30
Min. tractor horsepower, kW/HP	min 30	min 50	min 50	min 80	min 100	min 120	min 120
Driving speed during snow removal, [km/h]	20	20	20	20	20	20	20
Plough weight, [kg]	165	300	325	440	490	540	600
Mouldboard width, [mm]	1514	2050	2250	2250	2500	2850	3050
Mouldboard height, [mm]	705	785	785	850/960	850/970	850/990	860/1000
Mouldboard steering angle, [°]	30	27	27	30	30	30	30
Height/Width/Lenght, [mm]	789x1704x718	785x2050x1385	785x2250x1385	960x2000x1000	970x2240x1000	990x2530x1000	1000x2700x1000
Snow removal width [mm]	1335	1830	2020	2000	2240	2530	2700
Mounting type	3-point linkage cat. I			directly on the tractor		3-point linkage cat. II	
Type of suspension	swinging			swinging in option		hydraulic	
Mouldboard turing							
Electric power, [V]	12			12			
Hydraulic power, [Mpa]				16			
Working positions:							
- bucket (A), [mm]	1315			1940		2160	
- fore (B), [mm]	1335			2000		2240	
- left (C), [mm]	1325			1830		2020	
- right (D), [mm]	1325			1830		2020	
- working positions (E) [mm]	1514			2050		2250	

# T-145 MULTIPURPOSE SELF-LOADING CHASSIS FOR CONTAINERS

## T-145

Load capacity, t	8,3
Trailer weight, kg	2250
Min. tractor horsepower, kW/HP	50/68
Tipping angle [backwards]	51°
Overall dimensions with closed type container:	
length x width x height, mm	6250x2420x2740
Overall dimensions with open type container:	
length x width x height, mm	6150x2420x1980
Closed type container capacity, m	16
Open type container capacity, m	9,7
Tire size	400/65-15,5 14PR
Driving speed, km/h	25
Load on tractor hitch with closed type container, kN[kg]	10 [1019]
Braking system	pneumatic, double-line
Options:	hydraulic brakes

MIKRUS look at 23 pages

TUR look at 18 pages



## MOWER G-317

Power, HP	17,5
Engine capacity, cm3	500
Gearbox	hydrostatic
Cutting width, cm	95
Cutting height, mm	40 - 91
Clutch	elektromagnetic
Max speed, km/h	9
Grass catcher, l	280
Wheels	front 15", rear 20"
Fuel tank capacity, l	6
Weight, kg	270



## ROAD SWEEPERS ZM-14, ZM-16, ZM-20



	ZM14	ZM16	ZM20
Working width, mm	1400	1600	2000
Working width on 20° sweeper slop, mm	1300	1500	1900
Sweeper speed, rev/min	190		
Working speed, km/h	to 10		
Transport speed, km/h	to 20		
Sweeper weight	290	320	375
Sweeper weight with the basket	370	410	475
Engine	hydraulic		
Setting the working angle	mechanical		
Overall dimension:			
height, mm	1030		
length, mm	1500/1735		
width, mm	1900	2100	2500



# LTBS 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.

# LTBS - 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

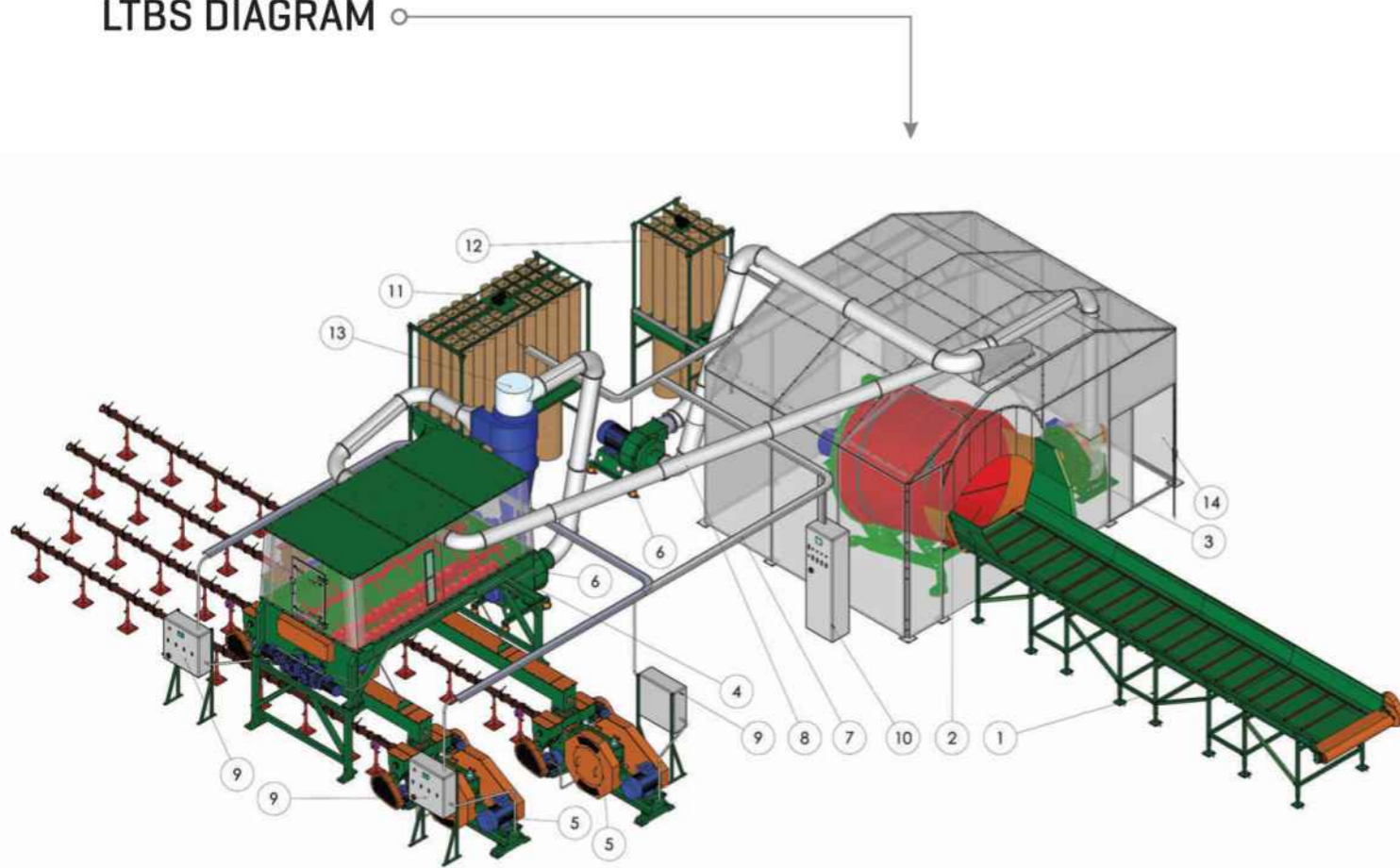




BIOMASS PRODUCTION - TECHNOLOGICAL LINE (LTBS)

- |                                 |         |                                  |         |
|---------------------------------|---------|----------------------------------|---------|
| 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



LTBS - STRAW PELLETING LINE



GROO PELLETING MACHINE

PRINCIPLE OF OPERATION

The manufacturing process of pellet with the use of the ring type pelleting machine 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 pelleting machine 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.

PELLETING CAPACITY

- The pelleting machine's capacity ranges between 500 and 700 kg/h and depends on:
- 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 12 and 22 %,
  - length of chaff after shredding which should be of about 12 mm

The pelleting machine 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.

Die	ring TYPE
Number of rollers	3
Bearing lubrication	central
Head rotations, rpm	40
Main transmission power, kW	55
Rake power, kW	1.1
Weight, kg	3250
Length, mm	~2820
Width, mm	~1480
Height, mm	~1650

CHARACTERISTICS

- The ring type pelleting machine 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,
  - the possibility of operation in the automatic and manual mode





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