



URSUS

Since 1893



*Reliable
Partner*

**TRACTORS
AND FARM MACHINERY**

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<https://tractormanualz.com/>



URSUS TRACTORS AND FARM MACHINERY

URSUS C-380, C-385, C-395 POWER

URSUS C-3110, URSUS C-3110HL

FRONT LOADERS

Z-556 ROTARY TEDDER, Z-554 RAKE, Z-597, Z-543/A ROUND BALERS,
Z-586 BALE WRAPPING MACHINE, H-920 BALE UNWINDING MACHINE,

TRAILERS: D-610, D-612, D-614

SNOW PLOUGHS: PPDV 15, PDC 20, PDC 22, PDZ 22, PDZ 24, PDZ 28, PDZ 30

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URSUS

RECOMMENDS PRODUCTS OF



LOTOS Oil

<https://tractormanualz.com/>

URSUS C-350		
C-3150 POWER, C-3150V POWER 3512, 4512, 5312, 5314, 6012, 6014, 8014, 10034, 13034, 15034, 18534, 20534		
TUR4M, TUR4F, TUR4, TUR6, TUR6A, TUR8		
MIKRUS		
PLATFORMS: B-9, B-11, B-15, B-18, B-21		
URSUS N-218/P		
T-040, T-042, T-080/2A, T-083/A, T-623, T-623/2, T-041K/N, SCT12, SCT15		
T - 145 SELF-LOADING CHASSIS FOR CONTAINERS		
MOWER G-317		
UR-LS48575EX SELF PROPELLED LAWN MOWER		
UR-CST52-400W GASOLINE CHAINSAW		
UR-BP508-260 GASOLINE BRUSH CUTTERS		
LTBS STRAW BRIQUETTING LINE, LTPS STRAW PELLETING LINE		
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X 2017r., v25

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URSUS C-350

- Perkins EU IIIA engine,
- 12x12 gearbox with creeper and synchroshuttle,
- 1300 kg lift capacity,
- 4-post cabin

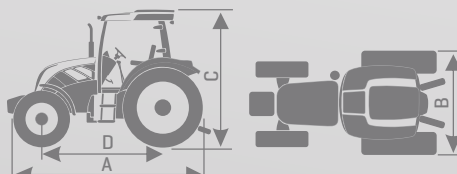


Technical data

ENGINE [brand and model]	PERKINS 1103D EU IIIA
Engine type	naturally aspirated
Power [ISO 14396] kW/HP at rpm	37 / 50 - 2200
Max. torque, Nm at rpm	196 - 1400
Capacity [cm³] / number of cylinders	3300 / 3
Air cleaner	2-stage, dry type with contamination sender
Fuel tank capacity, l	49
TRANSMISSION	
Clutch	2-disc dry type with independent PTO clutch control
Gearbox	12 x12, with creeper and 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	iPTO with hand operated PTO clutch and ground speed
PTO speeds, rev./min.	540 / 1000
HYDRAULIC LIFT SYSTEM	
Functions	draft, position, mixed, sensitivity and lowering speed controls
Hydraulic lift pump capacity, l/min	40
Nominal pressure, MPa	18
Lift capacity, kg	1300
External hydraulics spool valves	2 [4 quick -couplings]
THREE-POINT LINKAGE SYSTEM	cat.1 with balls to 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	7,5R16 - 12,4 R28
Front rear treads, mm	1045 1092-1504
HITCHES [std.]	front and height adjustable transport hitch
CABIN	4-post
Basic equipment	heating, front/rear work lamps, wipers and sprayers
DIMENSIONS	
Length / width / height/, mm	3700 / 1410-1825 / 2350
Wheelbase, mm	1940
Ground clearance, mm	330
Weight without ballast weights, kg	2420
OPTIONS	front 3-point linkage, front PTO, trailer air braking system [single and double line] drawbar, Piton-fix hitch, AC, torsional front fenders, 100kg front weights front mounted quick-couplings [4], beacon light, front/rear wheels: 280/70R16 - 360/70R28 municipal and ROPS version available



OVERALL
DIMENSION



C-350

A = 3700 mm
B = 1410-1835 mm
C = 2350 mm
D = 1940 mm

URSUS C-380

Perkins EU IIIB engine
12 x 12 gearbox with
synchroshuttle,
2650 kg lift capacity,
4-post cabin with sunroof
for excellent visibility

**C-380****Technical data**

ENGINE [brand and model]	PERKINS 854E-E34T EU IIIB
Engine type	turbocharged
Power [ISO 14396] kW/HP at rpm	55 / 75 - 2200
Max. torque, Nm at rpm	318 - 1400
Capacity [cm³] / number of cylinders	3400 / 4
Air cleaner	2-stage, dry type with contamination sender
Fuel tank capacity, l	120
TRANSMISSION	
Clutch	2-disc dry type with independent PTO clutch control
Gearbox	12 x12 with synchroshuttle
Rear axle	with mechanically controlled differential lock and planetary hubs
Front axle	with planetary hubs
Maximum speed, km/h	30
POWER TAKE-OFF (PTO)	
Type	IPTO and ground speed
PTO speeds, rev./min.	540 / 1000
HYDRAULIC LIFT SYSTEM	
Functions	draft, position, mixed, sensitivity and lowering speed controls
Pump capacity, l/min	50
Nominal pressure, MPa	18
Lift capacity, kg	2650
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, mechanically actuated
Parking brake	mechanical, hand actuated
WHEELS AND TREADS	
Front-rear wheels	280/85R24 - 420/85R30
Front rear treads, mm	1420-1880 1384 -1978
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	4210/ 1770-2398/ 2570
Wheelbase, mm	2255
Ground clearance, mm	375
Weight without ballast weights, kg	3258
STANDARD EQUIPMENT	
OPTIONS	3-point linkage external control, torsional front fenders, trailer air braking system (single- and double-line), 3-point linkage with hook type ends, front [hook-type] 3-point linkage syst., front PTO, 6 hydraulic quick- couplings, drawbar, Piton-fix hitch, beacon light, AC, front/rear weights: up to 440/ 210 kg, fender extensions 95mm front - rear wheels: 320/70R24 - 480/70R30; 12,4 R24 -12,4 R38; 11,2 R24 - 12,4R36,

C-380

A = 4210 mm
B = 1770-2398 mm
C = 2570 mm
D = 2255 mm



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C-385, C-395 POWER

NOVELTY!



C-385

C-395 POWER

- Perkins EU IIIB engine,
- 12 x 12 gearbox with synchroshuttle [C-385], 24x12 with powershuttle, Hi-LO powershift and creeper [C-395 POWER]
- up to 3600 kg lift capacity
- 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 [cm³] / number of cylinders

Air cleaner

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

PERKINS 854E-E34TA EU IIIB

turbocharged with intercooler

62,5 / 85 / 2200

66/90- 2200

354 - 1400

395 - 1600

3400 / 4

2-stage, dry type with contamination sender

120

2-disc dry type with indep. PTO clutch control

wet, multiplate

12 x12 with synchroshuttle

24x12 with pow.shuttle, Hi-Lo pow.shift & creeper

with mechanically actuated

with electro-hydraulically actuated

differential lock and planetary hubs

differential lock and planetary hubs

with planetary hubs

electro-hydr. actuated with planetary hubs

40

IPTO and ground speed

IPTO with wet multidisc clutch and ground speed

540 / 1000

draft, position, mixed, sensitivity and lowering speed controls

50

18

3100 (option 3600)

3600

2 [4 quick -couplings]

cat.2

hydrostatic

oil immersed, disc type, hydraulically actuated

mechanical, hand actuated

380/70R24 - 480/70R34

1420-1880 | 1384 - 1978

front and height adjustable transport hitch

4-post with sunroof

heating, front/rear work lamps, wipers and sprayers

4240/1884-2458/2600

2280

400

3300

3-point linkage external control, 3-point linkage with hook type ends

torsional front fenders,

trailer air braking system [single- and double-line], trailer hydraulic braking system, front [hook-type]

3-point linkage syst., front PTO, 6 hydraulic quick- couplings, drawbar, Piton-fix hitch, beacon light, AC,

front/rear, weights: up to 440 / 210 kg, front - rear wheels: 320/70R24 - 480/70R30; ,340/85R24-

-420/85R34, 12,4 R24 12,4 R38; 11,2 R24 - 12,4R36,fender extensions 95mm, 24x24 gearbox[C-385]

C-382, C-395 POWER

A = 4240 mm

B = 2020 mm

C = 2600 mm

D = 2280 mm



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URSUS C-3110

PERKINS EU IIIA engine

24 x 24 gearbox with synchroshuttle

and creeper

4400 kg lift capacity

EHR in standard equipment

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 [cm³] / number of cylinders

Air cleaner

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-3110

PERKINS 1104D EU IIIA

turbocharged with intercooler

81 / 110 - 2200

416 - 1400

4400 / 4

two-stage, dry type with contamination sender

180

dry single disc type

24 x 24, with synchroshuttle and creeper

with electro-hydraulic differential lock control and planetary hubs
electrohydraulically actuated with planetary hubs

40

IPTO with wet multidisc clutch and ground speed

540 / 1000

EHR

55

18

4400

two [four quick-couplings]

cat. 2

hydrostatic

oil immersed, disc type, hydraulically actuated

mechanical, hand actuated

380/70 R24 - 480/70 R34

1635 - 1990 | 1535 - 1980

hight adjustable hitch and front hitch

4-post cab with sunroof

heating, front and rear : worklamps, wipers and sprayers

4285 / 2015-2460 / 2615

2420

420

4050

3-point linkage with hook type ends, torsional front fenders,
trailer air braking system [1single- and double-line], trailer hydraulic braking system, drawbar
front hook-type 3-point linkage syst., front PTO, 6 hydraulic quick- couplings, 540 / 540E PTO
beacon light, AC, front/rear weights: up to 440 / 320 kg, front - rear wheels: 420/70 R24 - 520/70 R34,
PERKINS 854E-E34TA EU IIIB engine

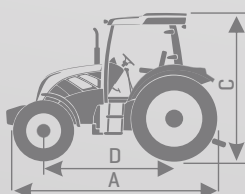
A = 4285 mm

B = 2015-2460 mm

C = 2615 mm

D = 2420 mm

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URSUS C-3110HL

- Perkins EU IIIB engine
- 24 x 24 gearbox with synchroshuttle,
- Hi-Lo powershift and creeper**
- 4400 kg lift capacity
- 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 [cm³] / number of cylinders

Air cleaner

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-3110HL

PERKINS 854E-E34TA EU IIIB

turbocharged with intercooler

81 / 110 - 2200

456- 1400

3400 / 4

two-stage, dry type with contamination sender

180

dry single disc type

24 x 24, with synchroshuttle, Hi-Lo powershift and creeper

with electro-hydraulic differential lock control and planetary hubs

electrohydraulically actuated, with planetary hubs

40

IPTO with wet multidisc clutch and ground speed

540 / 1000

EHR

75 [45+35]

18

4400

two [four quick-couplings]

cat. 2

hydrostatic

oil immersed, disc type, hydraulically actuated

mechanical, hand actuated

380/70 R24 -480/70 R34

1635 - 1990 | 1535 - 1980

hight adjustable hitch and front hitch

4-post cab with sunroof

heating, front and rear : worklamps, wipers and sprayers

4285 / 2015-2460 / 2615

2420

420

4050

3-point linkage with hook type ends, torsional front fenders,

trailer air braking system [1single- and double-line], trailer hydraulic braking system, drawbar

front hook-type 3-point linkage syst., front PTO, 6 hydraulic quick- couplings, PTO 540/540E

beacon light, AC, front/rear weights: up to 440/320kg, front - rear wheels: 420/70/R24; 520/70/R34

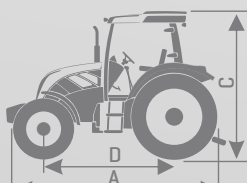
A = 4285 mm

B = 2015-2460 mm

C = 2615 mm

D = 2420 mm

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URSUS C-3150 POWER C-3150V POWER

4- cyl. DEUTZ EU IV engine

ZF transmission,

40 x 40 [ZF] or 32 x 32 [VIGUS]

gearbox with powershuttle,
powershift and creeper

EHR hydraulic lift

lift capacity of 7000 kg

comprehensive equipment

air conditioning

Technical data

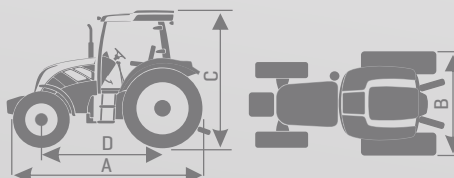


C-3150 POWER

C-3150V POWER (AVAILABLE SOON)

ENGINE [brand and model]	DEUTZ TCD 6.1 L6 EU IV		DEUTZ TCD 4.1 L4 EU IV
Engine type	turbocharged with intercooler		
Power [ISO 14396] kW/HP at rpm	109/ 150 - 2100		
Max. torque, Nm at rpm	661 / 1400		
Capacity [cm³] / number of cylinders	6057 / 6	4038 / 4	
Air filter	two-stage, dry type with contamination sender		
Fuel tank capacity, l	250		
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	electrohydraulically actuated with electro-hydraulic differential lock and planetary hubs		
Maximum speed, km/h	40		
POWER TAKE-OFF (PTO)			
Type	IPTO, engaged electrohydraulically		
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]		
THREE-POINT LINKAGE SYSTEM	cat.3		
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 - 580/70R38		
Front rear treads, mm	1860 / 1770		
HITCHES [std.]	hight adjustable hitch, Piton-fix, drawbar and front hitch		
CABIN	comfortable, two- door		
Basic equipment	heating and air conditioning, front and rear worklamps, wipers and sprayers		
DIMENSIONS			
Length / width / height/, mm	4720 / 2440 / 3000		
Wheelbase, mm	2500		
Ground clearance, mm	470		
Weight without ballast weights, kg	6900		
STANDARD EQUIPMENT	3-point linkage with hook type ends, torsional front fenders		
OPTIONS	trailer air braking system [1- and 2-line], trailer hydraulic braking system, front PTO, front 3-point linkage, LED headlights, front weights - 440 kg, additional front weights to the requirement,		

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
- rear axle with planetary hubs
- up to 2500 kg lift capacity



Technical data

	3512 (2RM)	4512(2RM)
ENGINE [make & model]	URSUS 3250	URSUS 4406
Engine type	diesel, naturally aspirated, direct injection, watercooled	
Power, kW / HP at rpm [ECE R120]	34,5/47 / 2250	48,5/66 / 2000
Torque, Nm at rpm	165/1400	232/1400
Capacity [cm³] / number of cylinders	2500/ 3	4065/4
Air cleaner	oil bath type	
Fuel tank capacity, L	58	80
TRANSMISSION		
Clutch	dry, double disc	
Gearbox	8 x 2 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	
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	1300	2500
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	6 - 16 / 14,9-28	7,5 -16 / 18,4 -30
Front rear treads, mm	1350, 1500, 1800	1400, 1500, 1600, 1700, 1800
HITCHES	heavy-duty drawbar, front hitch	
2-POST FRAME WITH CANOPY	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	380	410
Weight without ballast weights, kg	2285	2660
STANDARD EQUIPMENT	plough lamp	
OPTIONS	-	trailer air braking system (single-line), air compressor installation for pumping tyres
upper transport hitch, front/ rear weights: up to 200 / 190 kg, 12F + 4R gearbox,		

URSUS 5312, 5314

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



Technical data

ENGINE (make & model)

Engine type

Power, kW / HP at rpm [ECE R120]

Torque, Nm at rpm

Capacity [cm³] / number of cylinders

Air cleaner

Fuel tank capacity, L

TRANSMISSION

Clutch

Gearbox

Rear axle

Front axle

Max. speed km/h

POWER TAKE-OFF

Type

PTO speeds, rev./min.

HYDRAULIC LIFT SYSTEM

Function

Hydraulic pump oil flow, l/min

Nominal pressure, MPa

Hydraulic lift capacity, kg

External hydraulics spool valves [std.]

Three-point linkage

STEERING SYSTEM

Service brake

Parking brake

WHEELS & TREADS

Front / rear wheels

Front / rear treads, mm

HITCHES

2-POST FRAME WITH CANOPY

Equipment

DIMENSIONS & WEIGHTS

Length / Width / Height, mm

Wheelbase, mm

Ground clearance, mm

Weight without ballast weights, kg

STANDARD EQUIPMENT

OPTIONS

5312 (2RM)

5314(4RM)

URSUS 4406

diesel, naturally aspired, direct injection, watercooled

55/75 at 2200

261 at 1300-1500

4065 / 4

oil bath type

80

dry, double disc

8 x 2 with epicyclic reduction units

with mechanical differential lock and planetary hubs

three section type | with planetary hubs

30

live- proportional to engine speed

540

draft, position and response control

26,7

18

2500

single [2 quick couplings]

Cat. 2

hydrostatic

oil immersed, disc type, mechanically actuated together or independently

mechanical, hand actuated

7,5 - 16 / 18,4-30

12,4/11-24 / 18,4-30

1400, 1500, 1600, 1700, 1800

1475 - 1815

heavy-duty drawbar, front hitch

standard

rear worklamp, beacon warning light

3775 / 2010 / 2410

3760 / 2010 / 2410

2290

2300

380

350

2920

3240

-

front fenders

plough lamp

trailer air braking system (single-line), upper transport hitch

front/ rear weights: up to 200 / 300 kg, 12F + 4R gearbox,

air compressor installation for pumping tyres

URSUS 6012, 6014

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



Technical data

	6012 (2RM)	6014(4RM)
ENGINE [make & model]	URSUS 4406T	
Engine type	diesel, turbocharged, direct injection, watercooled	
Power, kW / HP at rpm [ECE R120]	62 / 85 at 2200	
Torque, Nm at rpm	313 at 1300	
Capacity [cm³] / number of cylinders	4065 / 4	
Air cleaner	two-stage, dry type	
Fuel tank capacity, L	80	
TRANSMISSION		
Clutch	dry, double disc	
Gearbox	8 x 2 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	
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	2500	
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	haevy-duty drawbar, front hitch	
2-POST FRAME WITH CANOPY	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
STANDARD EQUIPMENT	-	front fenders,
OPTIONS	plough lamp	
	trailer air braking system [single-line], upper transport hitch	
	front/ rear weights: up to 200 / 300 kg, 12F + 4R gearbox	
	air compressor installation for pumping tyres	

URSUS 8014

DEUTZ engine

12x4 synchromesh gearbox
with epicyclic reduction unit

3800 kg lift capacity

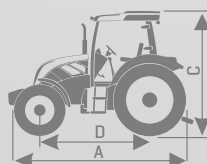


8014

Technical data

ENGINE [brand and model]	DEUTZ BF4M2012C
Engine type	turbocharged with intercooler
Power [ISO 14396] kW/HP at rpm	81/110 /2200
Max. torque, Nm at rpm	445 / 1500
Capacity [cm³] / number of cylinders	4038/ 4
Air cleaner	two-stage, dry 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	55
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.]	haevy-duty drawbar, front hitch
2-POST FRAME WITH CANOPY	standard
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
STANDARD EQUIPMENT	front fenders, plough lamp
OPTIONS	trailer air braking system [single-line], upper transport hitch, front/ rear weights: up to 440 / 320 kg, beacon light, air compressor installation for pumping tyres

OVERALL
DIMENSION

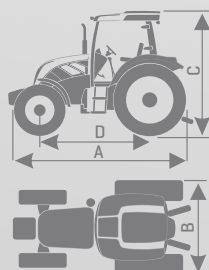


A = 4480 mm
B = 2230 mm
C = 2880 mm
D = 2435mm

URSUS 10034, 13034


10034
13034
Technical data

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 [cm³] / number of cylinders	7146 / 6	
Air cleaner	two-stage, dry type	
Fuel tank capacity, l	250	
TRANSMISSION		
Clutch	two-disc, dry type with independent PTO clutch control	
Gearbox	16x16 with mechanical shuttle	
Rear axle	with mechanical differential lock and planetary hubs	
Front axle	with planetary hubs	
Maximum speed, km/h	30	
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	
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	16,9-28 / 20,8-38
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	front fenders, plough lamp	
OPTIONS	front/ rear weights: up to 440/ 300 kg trailer air braking system (single-line), beacon light, AC additional front weights to the requirement,	


10034
13034

A = 5280 mm
B = 2360 mm
C = 2830 mm
D = 2750 mm

A = 5250 mm
B = 2500 mm
C = 2970 mm
D = 2588 mm

OVERALL
DIMENSION

URSUS 15034

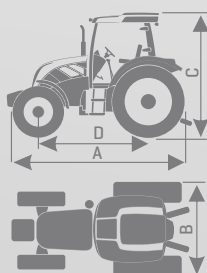
URSUS 18534



Technical data

	15014	18514
ENGINE [brand and model]	DEUTZ BF6M1013EC	DEUTZ BF6M1013FC
Engine type	turbocharged with intercooler	
Power [ISO 14396] kW/HP at rpm	147 /200 - 2300	184/250 / 2300
Max. torque, Nm at at rpm	727 - 1400	1050 - 1500
Capacity [cm³] / number of cylinders	7145 /6	
Air filter	2-stage, dry type with contamination sender	
Fuel tank capacity, l	330	
TRANSMISSION		
Gearbox ALLISON 3000	Automatic - 6 F / 1 R with front drive engagement	
Distributor box	GHM MTC 60/420 Distributor box - 50/50% for rear and front axle	
Rear axle - ZF	With planetary hub reduction units and hydraulically actuated brakes	
Front axle - Carraro	with planetary hub reduction units and brakes	
Maximum speed, km/h	45	
HYDRAULIC SYSTEM		
Pump capacity, l/min	90	
Nominal pressure, MPa	18	
External hydraulics spool valves	Single spool valve [2 quick -couplings]	
STEERING SYSTEM	hydrostatic	
BRAKING SYSTEM		
Service brake	oil immersed disc brakes hydraulically actuated, acting on rear and front wheels	
Parking brake	mechanical, hand actuated	
WHEELS AND TREADS		
Front/rear wheels	16.9-28 / 20.8-38	
Front/rear treads, mm	2150 / 2150	
HITCHES [std.]	rear ø110 mm ball type pick-up hitch	
CABIN	Comfortable cab on 4 shock absorbing pads	
Basic equipment	AC, front/rear work lamps, wipers and sprayers , external and internal rear view mirrors, beacon lamp	
DIMENSIONS		
Length / width / height/, mm	5200/ 2685/ 3100	
Wheelbase, mm	3150	
Ground clearance, mm	380 under the automatic hitch, 440 under the front axle and, 600 under the rear axle	
Weight without ballast weights, kg	6000	6400
STANDARD EQUIPMENT	2-line trailer air braking system	

OVERALL
DIMENSION



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

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

URSUS 20534

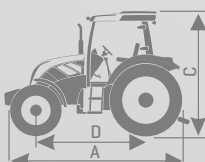


20514

Technical data

ENGINE [brand and model]	DEUTZ TDC2013L06-4V
Engine type	turbocharged
Power [ISO 14396] kW/HP at rpm	205/278 / 2350
Max. torque, Nm at rpm	1052/1600
Capacity [cm³] / number of cylinders	7146 / 6
Air cleaner	dry type
Fuel tank capacity, l	2 x 300
TRANSMISSION	
Clutch	hydrokinetic
Gearbox	40x40 with powershuttle, powershift and creeper
Rear axle	with electro-hydraulic differential lock and planetary hubs
Front axle	electrohydraulically actuated with electro-hydraulic differential lock and planetary hubs
Maximum speed, km/h	40
POWER TAKE-OFF [PTO]	
Type	iPTO with electro-hydraulic clutch control
PTO / engine speed, rev./min.	540ECO/1000
HYDRAULIC LIFT SYSTEM	
Functions	EHR
Pump capacity, l/min	120
Nominal pressure, MPa	18
Lift capacity, kg	10 000
External hydraulics spool valves	8 quick - couplings
THREE-POINT LINKAGE SYSTEM	cat. 4
STEERING SYSTEM	hydrostatic
BRAKING SYSTEM	
Service brake	oil immersed, disc type, hydraulically actuated, front and rear
Parking brake	mechanical, hand actuated
WHEELS AND TREADS	
Front/rear wheels	600/70 R30; 710/70 R38
Front/rear treads, mm	2260/2199
HITCHES [std.]	transport hitch and Piton-fix
CABIN	6-post
Basic equipment	front/rear work lamps, wipers and sprayers
DIMENSIONS	
Length / width / height/, mm	5600/2890/3150
Wheelbase, mm	3150
Ground clearance, mm	450
Weight without ballast weights, kg	8500
STANDARD EQUIPMENT	front weights -1500 kg, front 3-point linkage system
OPTIONS	trailer air braking system (1single- and double-line) additional 2 quick -couplings, beacon light, AC

OVERALL
DIMENSION



20514

A = 5600 mm
B = 2890 mm
C = 3150 mm
D = 3150mm



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

Nominal loading capacity, kg
Maximum loading capacity, kg
Lift height at pivot frame [H]
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

	TUR4M	TUR4F	TUR4	TUR6	TUR6A	TUR8
Nominal loading capacity, kg	500	1000	1200	1650	1650	1650
Maximum loading capacity, kg	1000	1300	1500	2150	2150	2150
Lift height at pivot frame [H]	3,0	3,6	3,6	3,6	3,9	4,2
Lifting height, [A] m	2,7	3,3	3,3	3,3	3,6	3,9
Height of unloading, [B] m	2,1	2,8	2,8	2,8	3,1	3,6
Digging depth, [C] cm	0,16	0,16	0,16	0,16	0,16	0,16
Crowd, [D]°	50	54	54	54	54	54
Dump, [E]°	44	54	54	54	54	54
Crowd, [F]°	45	49	49	49	49	49
Dump, [G]°	95	110	110	110	110	110
Suitable tractor horsepower, HP	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].



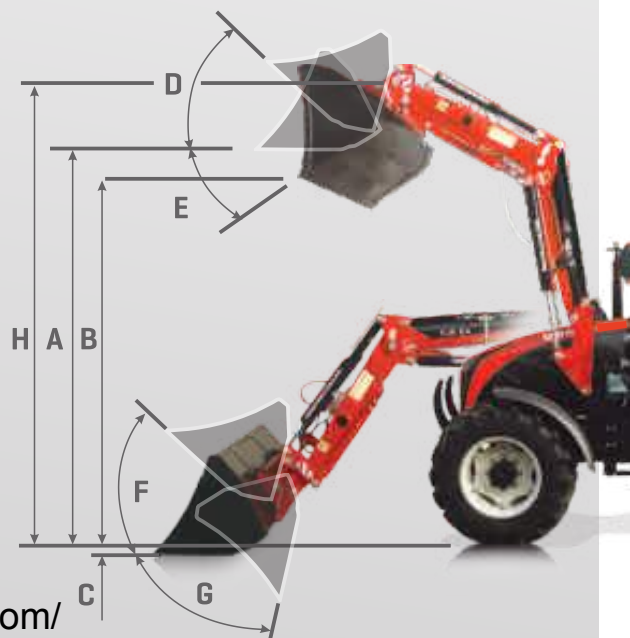
Shock absorbing system

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



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

TUR4M, TUR4F, TUR4, TUR6,
TUR6A, TUR8

bucket



Bucket G



Bucket H



Bucket K



Bucket LKP



Bucket A



Bucket E



Bucket O



Bucket P



Bucket D



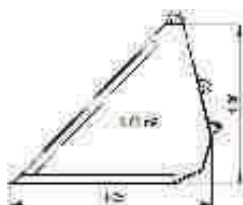
Bucket F

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

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



Bucket A



Bucket D



Bucket E



Bucket F



Bucket G



Bucket H



Bucket J



Bucket K



Bucket LKP



Bucket O



Bucket P

grabs, forks, snow plough

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
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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

TABLES OF FRONT LOADER SELECTION

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

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)
BIALORUŚ 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),T 6070, 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
FORTSCHIRTT 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), RS.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 ³]
1. Bucket „H“	2,0m	615	0,88m ³
2. Bucket „H“	2,2m	660	0,97m ³
3. Bucket „H“	2,4m	690	1,06m ³

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

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



Bucket O



Bucket E



Bucket F



Bucket G



Bucket D



Bucket H



Bucket ŁKP



Grab for bales

MIKRUS

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.

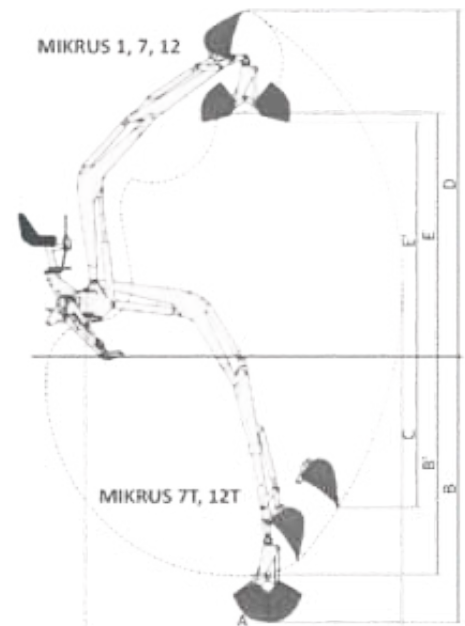
safe and easy operation
robust and reliable design
wide spectrum of options
easily exchangeable tools
hydraulic supports enabling
stable positioning on uneven
ground

	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	

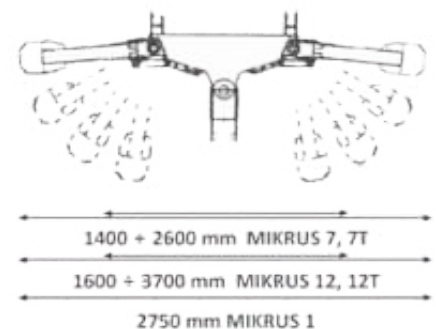
MIKRUS 1, 7, 7T, 12, 12T



MIKRUS TOOLS



Hydraulically lowered supports with a span change mechanism



Z-597 ROUND BALER

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

rollers and chainslats round baler
for green fodder and straw materials

finalist
of the competition



2016



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:		
length x width x height, mm	3900/2450/2100	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, jointed telescopic shaft	tyre: 500-50-R17

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

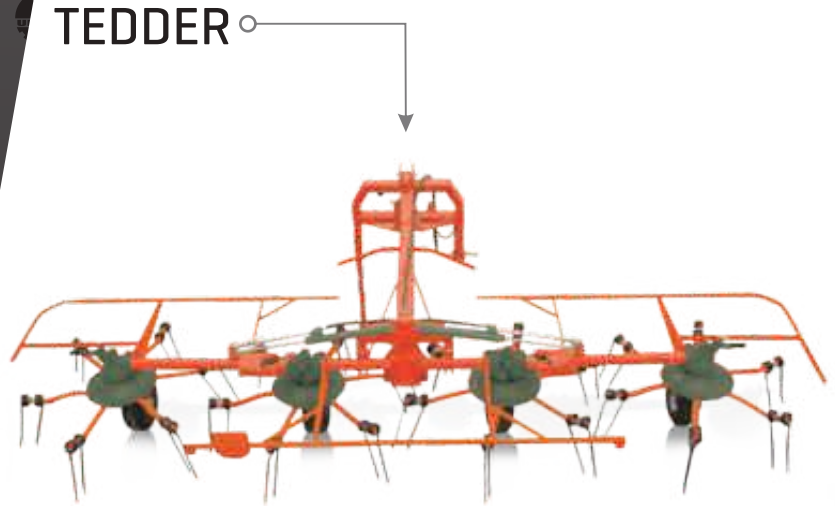


The Z-543/A round balers are intended for baling straw material (up to 25% moisture) from 1900 mm wide windrows and dry off green fodder (up to 40-60% moisture) intended for hay silage. The material is rolled into bales of 1200 mm diameter. Bales made by Z-543/A baler are bound with string or with a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

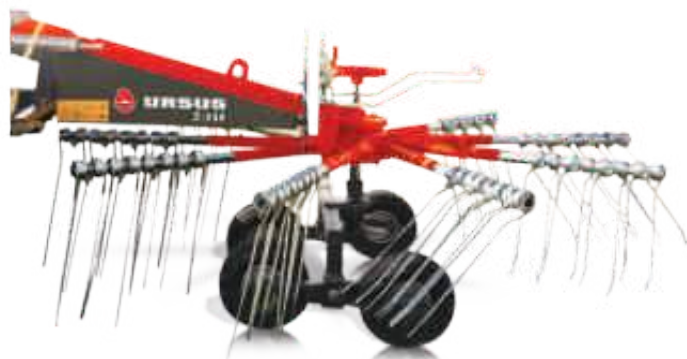
Z-554 RAKE

- 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	2,9
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



PLATFORMA B-9

- 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-9	B-11 B-15	B-18 B-21
Load capacity, t	7	14 i 18	21 i 24
Weight, kg	1890	4000	4250
Overall dimensions with folded lades:			
length x width x height, mm	8980 X 2440 x 1900	10160x2420x1999	
Overall dimensions with unfolded lades:			
length x width x height, mm	8980 X 3090 X 1900	12000x2550x3205	
Platform overall dimensions		9890x2550x3205	
Wheel track, mm	1825		
Wheelbase, mm	4455	5366/1150	
Brakes	pneumatic, double-line		
Height of platform above the ground, mm	1060	1184	
Loading area, m	15,3	23,6	
Travelling speed, km/h	25	40	
Tyre size	400/60-15,5 14 PR	500/50 R17	
Min, tractor horsepower, kW/HP	35/48	70/95	
Standard equipment	LED lights		
Options	toolbox, foldable side protections, 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-11, B-15, B-18, B-21 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-11 to B-21 platforms have a innovative security of front and rear wall. To this end two cables inside the trailer were applied to keep the walls in the position. The high-resistant steel floor consists of a one single piece only. The options include: 45l toolbox, foldable side protections made of aluminum and stakes.



MANURE SPREADER N-218/P

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



The N-218/P spreader is intended to spreading manure, peat and compost. After removing the adapter and installing the rear side it can also be used to transport agricultural produce. It cooperate with tractors equipped with lower transport hitch. The spreader has four-drum vertical adapter. Floor conveyor drive of the machine is mechanical and it can also be hydraulic. The N-218/P spreader is fully adapted to the transport on public roads - it has pneumatic braking and lighting system.

	N-218/P
Type of axle	rigid tandem
Load capacity, t	6
Loading capacity with/without extensions , m	7,56/4,68
Loading area, m	7,8
Adapter	verttical, four-drum, worm type
Spreading width, m	5 - 6
Type of floor conveyor	four-chain with mechanical drive
Tyre size	11,5/80-15,3
Wheel track, mm	1530
Braking system	pneumatic, double-line
Overall dimensions:	
length x width x height, mm	5850x2310x3000
Internal dimensions of body:	
length x width x height, mm	3890 x 1990 x 600+ extension 400
Spreader/ adapter weight, kg	2000/410
Travel speed, km/h	25
Min. tractor horsepower, kW/HP	4 5 / 6 0
Load on tractor hitch, kN/kg	12 [1230]
Options	hydraulically controlled end gate, horizontal, two-drum, worm-type adapter, hydraulically driven floor conveyor, 1000 mm extension sides [after dismounting the adapter and installing these extensions the machine is converted in volume trailer] hydraulic brakes



vertical, four - drum adapter



dropside, two-axle TRAILERS D-610, D-612, D-614

- light reliable design
- suspension- parabolic spring type
- 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

NOVELTY!



The D-610, D-612, D-614 two-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 transporing 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 solid design guarantees failure-free operation for many years.

	D-610	D-612	D-614
Load capacity, t	up to 10	up to 12	up to 14
Min. tractor horsepower, kW/HP	55[75]	65[88]	80[109]
Platform area, m²		12,3	
Capacity of the basic load-carryng body, m³	6,15 [12,3 with extensions]	7,35 [14,7 with extensions]	7,35 [17,1 with extensions]
Overall dimensions:			
length x width x height, mm	7130/2550/2360÷2560	7130/2550/2560÷2760	7130/2550/2760÷2860
Internal dimensions of the body:			
length x width x height with extensions, mm	5100x2410x500/500	5100 x 2410 x 600/600	5100 x 2410 x 600/800
Platform height over the ground, mm	1330÷1530	1330÷1530	1330÷1430
Wheelbase, mm		1850	
Suspension		parabolic springs	
Tire size		385/65-R22,5 [15R22,5]	
Unloading system		three-sided	
Body type		dropside	
Options	manual rear hitch, hydraulic, pneumatic and electric connections to second trailer, side extensions, balcony, canvas with the frame, spare wheel, wheel chocks, fenders, hydraulic brakes, toolbox, LED lights, rear, side chute, rear hitch automatic, painting to customer order		
Wheels:	425/65-R22,5, 445/50-R22,5 455/40-R22,5, 500/45-R22,5 500/60-R22,5		455/40-R22,5



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

	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

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-042

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

	T-042
Load capacity, t	7
Trailer weight, kg	2170
Min. tractor horsepower, kW/HP	50/68
Platform area, m	7,86
Capacity of the body with ext. sides, m	7,86
Overall dimensions with extension sides:	
length x width x height, mm	5275 x 2310 x 1520
Internat dim. of the load-carrying body:	
length x width x height, mm	3705 x 2110 x [500 +500]
Height with extension sides, mm	1000
Tire size	11,5/80-15,3 10 PR
Braking system	pneumatic, double-line
Unloading	three-sided
Driving speed, km/h	40
Load on tractor hitch, kN/kg	1482 [1500]
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

- robust design
- tandem suspension system ensuring good traction
- characteristics of a set
- easy maneuvering of the whole set

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, 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
Tire size	400/60-15,5 14 PR
Braking system	pneumatic, double-line
Unloading	backwards
Body type	monocoque
Driving speed, km/h	40
Load on tractor hitch, kN(kg)	17,84 [1820]
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, 600mm extension without the homologation

loading capacity 10 t

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

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



loading capacity 10 t

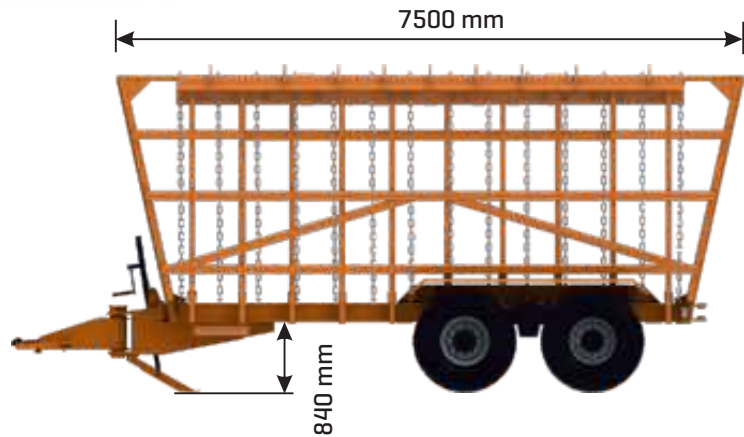
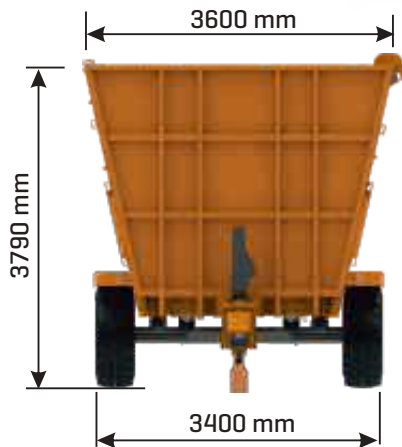
SCT12& SCT15 SUGAR CANE TRAILERS

IN TANDEM

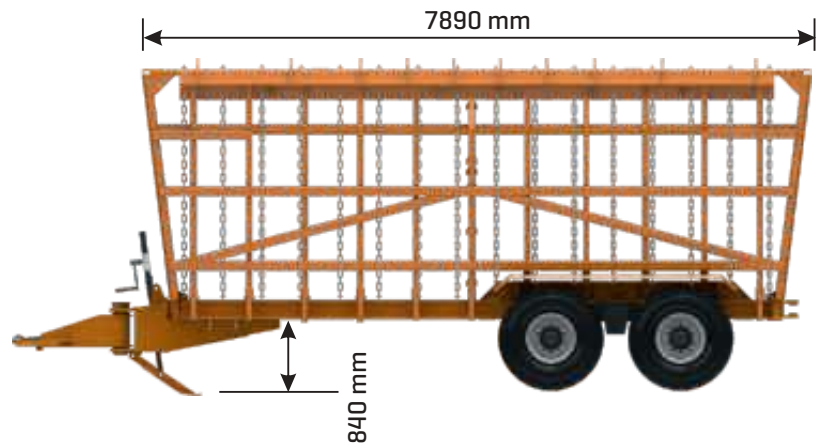
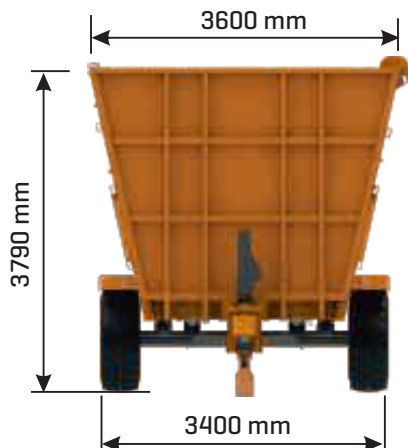
- robust design
- excellent manoeuvrability of the set due to application of swinging drawbar
- swinging drawbar fitted with ball type hook socket
- rapid discharge of sugar cane by means of spiller bar and chain net system
- smooth interior faces of front and rear boards to ease the unloading
- heavy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

NOVELTY!


12 TON LOAD CAPACITY TRAILER DIMENSIONS

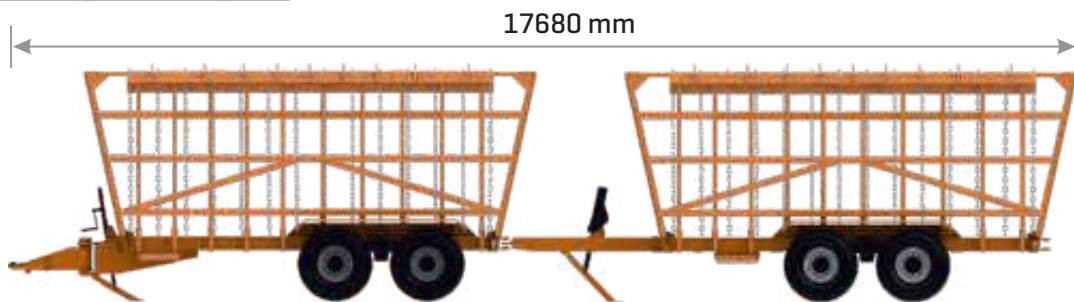
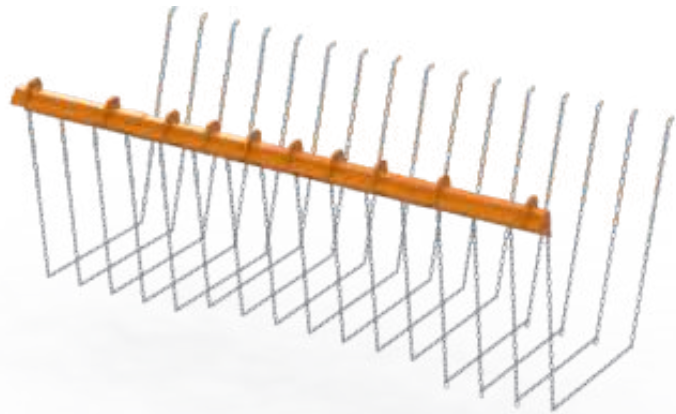


15 TON LOAD CAPACITY TRAILER DIMENSIONS



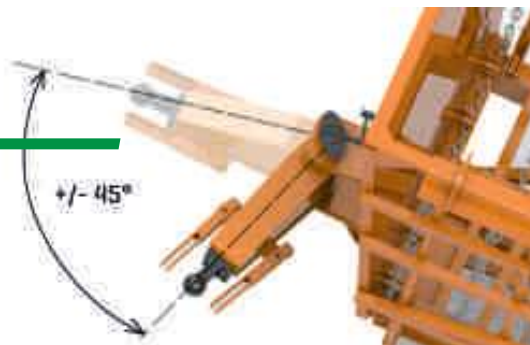
Spiller bar and chain net unloading system

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 m³
700mm bulged volume = 60 m³



Water filled volumem= 58 m³
700mm bulged volume = 74 m³

DISC HARROWS

Parameter	Unit of measure	Manufacturer's data		
Model	-	DHV -200D HV - 220 DHV - 240		
Machine type	-	Three-point linkage mounted		
Working width	m	2.0	2.2	2.4
Working depth	mm	80 - 130		
Number of gangs	pcs.	2		
Disc type	-	notched		
Number of discs	pcs.	9 + 9	10 + 10	11 + 11
Disc diameter/thickness		510/4 [option: 450/4]		
Gang position angles	deg.	0 ÷ 20		
Operating speed	km/h	7 ÷ 10		
Transport speed	km/h	up to 20		
Weightkg		450	510	530
Operation	persons	1 tractor operator		
Min. power demand	kW [KM]	37 [50]	48 [65]	63 [85]



Specification	Unit	Manufacturer's data		
Model	-	DP 02	DP 03	DP 04
Machine type	-	Three-point linkage mounted		
Working width	m	0.60	0.90	1.20
Working depth	mm	Max. 250		
Number of discs	pcs.	2	3	4
Disc type	-	plain		
Disc diameter	mm	650		
Depth (support) wheel	-	steel		
Depth wheel diameter	mm	560		
Rear-mounted coulter diameter	mm	560		
Weight	kg	300	350	4 50
Tractor power demand	kW [HP]	37 [50]	51 [70]	63 [85]

DISC PLOUGHS





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 $\pm 30^\circ$), 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	●	●	●	●
PDZ 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		
Mouldboard turing					hydraulic		
Electric power, V	12	-	-	-	12	-	-
Hydraulic power, MPa	-	-	-	16	-	-	-
Working positions:							
- bucket [A], mm	1315	-	-	1940	2160	2450	2620
- fore [B], mm	1335	-	-	2000	2240	2530	2700
- left [C], mm	1325	1830	2020	1970	2200	2470	2670
- right [D], mm	1325	1830	2020	1970	2200	2470	2670
- working positions [E], mm	1514	2050	2250	2250	2500	2850	3050

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, m³	16
Open type container capacity, m³	9,7
Tyre 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

T - 145 MULTIPURPOSE SELF-LOADING CHASSIS FOR CONTAINERS

MIKRUS look at 23 pages

TUR look at 20 pages
**G-317 MOWER**

B & S 4175 - 3167 - 500cc OHV Engine,
 Kanzaki hydrostatic gearbox,
 tires size F / B - 15x6.00-6 and 20x10-8,
 cutting width 107cm,
 adjustable cutting height 13-89mm [6];
 electromagnetic knife brake;
 forward | backward speed: max 10,2 km/h | max 3.4 km/h,
 dimensions: length- 182cm, width- 126cm, height- 108cm,
 weight 215 kg,
 box dimension 190x130x100cm,
 gross weight 280kg,
 side discharge, mulching,

**UR-LS48575EX**
 SELF PROPELLED
LAWN MOWER

Engine: OHV BRIGGS & STRATTON
 575EX SERIES, cutting width: 48 cm,
 central cutting adjustment type,
 grass catcher bag capacity- 65l,
 four in one system : grass bag
 ejection, side ejection, rear ejection,
 mulch kit, weight: 30 kg

**UR-CST52-400W**

GASOLINE CHAINSAW



Engine capacity: 49,3 cm³, max power : 2,9
 KM, carburator WALBRO, cutting bar 40
 cm/16", chain OREGON, weight: 7kg

UR-BP508-260

GASOLINE BRUSH CUTTERS

Engine capacity: 50,8 cm³,
 max engine power: 2,6 KM,
 working width: cutting
 diameter 42 cm,
 weight: 10 kg,



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.



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.

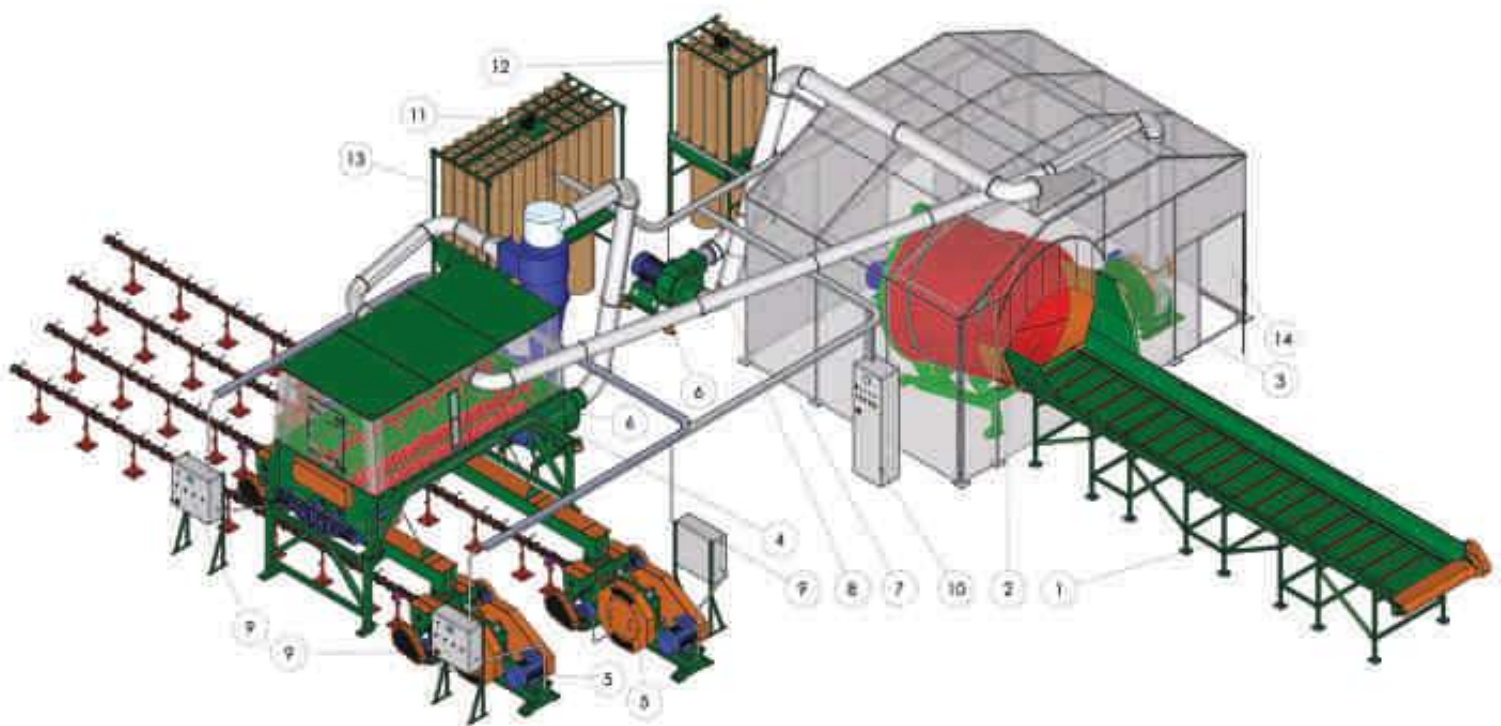
BM-60 BRIQUETTE MACHINE



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



LTPS - STRAW PELLETING LINE



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

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 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

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,
- 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.



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