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GROUP OF COMPANIES

TRACTORS

TRACTOR BELARUS-211



This tractor is the simplest model of all the manufactured line but at the same time its technical capabilities, easy-to-use and configuration allow performing the whole range of agricultural works. Available in two versions: 4x4 and 4x2.

ADVANTAGES:

- > 25 h.p. engine
- > Hydraulic power steering for easier handling
- > Excellent driving characteristics

Technical characteristics	BELARUS – 211
ENGINE	
Type	Diesel
Model	Laidong KM385T
Engine power, kW (hp)	18,4 (25,0)
Nominal speed, rpm	2350
Number of cylinders, pcs.	3
Cylinders total volume, l	1,532
Specific fuel consumption at operating power, g / kWh	264
Class	0,6
Maximum torque, N · m	88,5
Factor of a torque,%	15
TRANSMISSION	
Gearbox	mechanical, step-by-step
Number of gears forward / backward	16/8
Speed of forward / backward moving, km / h	3,1-25,2 / 5,5-13,3
Rear PTO: dependent I, rpm	540
Clutch	single plate, frictional, spring-loaded
Drive	4x4 or 4x2
Differential	locking, rear
Brakes	disk, in oil, mechanical (separate control)
Overall length, mm	3050
Width, mm	1300
Height (along the safety arc), mm	2280
Tractor base, mm	1660
Track, mm:	
front wheels	1000; 1200; 1350
rear wheels	1000; 1160
Clearance, mm	320
Smallest turning radius, m	3,6
Operating weight, kg	1500
Agrotechnical clearance under the sleeves of the rear wheels, mm	435

TRACTOR BELARUS-320



BELARUS-320 belongs to universal wheel mini tractors aimed at performing various types of work in industrial, municipal and agricultural spheres, as well as in construction, using tools and trailed, stationary, semi-mounted and mounted implements.

BELARUS-320 is a representative of 0.6 drawbar category family. Basic model has 4x4 wheel arrangement. Front axle is a leading one.

ADVANTAGES:

- > Comfortable heated cabin with adjustable seat
- > Reliable engine
- > Wide speed range
- > Easy access to joints for repair and maintenance



Due to the set of its technical characteristics and wide choice of agricultural and communal facilities this tractor performs all the works effectively on land plots of up to 20 hectares. The tractor also reveals its potential in the field of public utilities.

BELARUS	311	311M	320,4	320,4M	320,5	321	321M
Number of cylinders, pcs.	3	3	3	3	3	3	3
Type	Diesel	Diesel four stroke engine			Diesel		
Power, h.p.	33	35,4	36,0	35,3	36,0	36,0	35,3
Brand	3T30	MMZ-3LD	LOMBARDINI LDW1603/B3	MMZ-3LD	LOMBARDINI LDW1603/B3	LOMBARDINI LDW1603/B3	MMZ-3LD
Maximum torque, N · m	100	94	92	100	92	92	100
Number of gears forward / backward	16/8	16/8	16/8	16/8	16/8	16/8	16/8
Hydraulic lift on suspension axle, kg	870	870	1100	1100	1100	1100	1100
Fuel consumption, g / kW · h	258	310	258	310	329	258	310
Pump capacity, l / min	17	17	17	17	17	17	17
Capacity of hydraulic tank, l	9,0	9,0	9,0	9,0	9,0	9,0	9,0
Rear PTO: - dependent, rpm; - csynchronous r/m of the way	540; -	540; -	540-1000; 3,4-6,3	540-1000; 3,4-6,3	540-1000; 3,4-6,3	540-1000; 3,4-6,3	540-1000; 3,4-6,3
Drive	4x4, 4x2	4x4, 4x2	4x4	4x4	4x4	4x4	4x4
Transmission	safety arc		cabin with the heater			safety arc	

TRACTOR BELARUS-422



BELARUS-422 is a universal model, equipped with a reliable Italian engine Lombardini LDW 2204, certified as per IIIrd grade of 2000/25 / EC Directive. Its distinguishing features are: low content of harmful substances in exhaust fumes (compliance with Euro-3A standards) and high performance at small operating costs.

ADVANTAGES:

- > Panoramic cabin: frameless doors made of tempered glass, heating system, ventilation, opening rear and side windows, electric cleaning of front and rear windows, front window washer
- > Accessible and convenient manipulating inside the cabin
- > Control panel for information uptake at night and day time
- > Rear PTO (2-speed, synchronous, 8/21 or 6/21 splines)
- > Rear mounting system (3-points, 2 hydro cylinders, holding circuit)
- > Hydraulic leads (2 on the back side, 4 in the front)
- > Three-section hydraulic valve
- > Socket (on the back side)
- > Adjustable angle of slope of the steering column
- > Power steering

This model combines best technical features and reliability; panoramic cabin and operator's comfortable workplace allows reaching maximum comfort of operation.

Technical characteristics	BELARUS-422	BELARUS-422,1
Type	4-stroke diesel with pre-chamber injection	4-stroke diesel with pre-chamber injection
Power, h.p.	49,0	49,8
Brand	LOMBARDINI LDW 2204	LOMBARDINI LDW 2204
Specific fuel consumption, g / kW · h	329	329
Maximum torque N · m	125	125
Transmission type	Mechanical	Mechanical
Clutch coupling	friction, single disk, spring-loaded	friction, single disk, spring-loaded
Number of gears forward / backward	16/8	16/8
Hydraulic lift on suspension axle, kg	1700	2800
Maximum pressure, MPa	20	20
Pump capacity, l / min	40	40
Capacity of hydraulic tank, l	19	19
Cabin type	panoramic cabin with heater	panoramic cabin with heater
Drive	4x4	4x4

TRACTOR BELARUS-622



BELARUS-622 is a tractors of small dimensions and weight, reliable 4-cylinder diesel engine meeting Tier 3A environmental requirements, independent PTO shaft with two speeds: 540 and 1000 rpm, comfortable and safe cabin, front mounting system and two-speed independent and synchronous front PTO shaft.

ADVANTAGES:

- > Modern design
- > Four halogen headlights
- > Turbine
- > Possibility of attachment of mounted and trailed equipment
- > Panoramic cabin: frameless doors made of tempered glass, heating system, ventilation, opening rear and side windows, electric cleaning of front and rear windows, front window washer
- > Rear PTO (2-speed, synchronous, 8/21 or 6/21 splines)
- > Rear mounting system (3-points, 2 hydro cylinders, holding circuit)
- > Hydraulic leads (2 on the back side, 4 in the front)

This model embodies a perfect combination of the most important parameters for farmers: compact dimensions, optimal engine power, comfort coupled with modern design. Universal front and the rear three-point mounting system and wide speed range allows using an extensive assortment of trailed and mounted implements. Belarus-422.4 is designed on the basis of Belarus-622 chassis.

Technical characteristics	BELARUS-622	BELARUS-422,4
Type	4-stroke diesel with pre-chamber injection and turbocharging	4-stroke diesel without turbocharging
Number of cylinders, pcs.	4	4
Power, h.p.	62,5	49,8
Brand	LOMBARDINI LDW 2204 (Tier 3A)	LOMBARDINI LDW 2204 (Tier 3A)
Specific fuel consumption, g / kW · h	329	329
Maximum torque N · m	174	125
Transmission type	mechanical, with easy-start couplings	mechanical, step-by-step, with constant-mesh gear
Clutch coupling	friction, single disk, spring-loaded	single-disk, with mechanical control drive, friction, of spring-loaded type
Number of gears forward / backward	16/8	16/8
Hydraulic lift on suspension axle, kg	2800	1700
Maximum pressure, MPa	20	20
Pump capacity, l / min	40	27
Capacity of hydraulic tank, l	22	19
Cabin type	panoramic cabin with heater	panoramic cabin with heater

TRACTOR BELARUS-80.1



BELARUS-80.1 (4x2) wheel-tyre tractor is a universal 1.4 class agricultural tractor with engine of 82 h.p. and is intended to perform various agricultural works with the help of mounted, semi-mounted and trailed machines and implements. In addition, it can be used to perform labor intensive works together with bulldozers, excavators, loaders, earth drill machines, also on special transport works and in order to drive various stationary agricultural implements.

ADVANTAGES:

- > Spacious and comfortable cabin
- > Reliable and time-tested design

BELARUS	80,1	82,1-23/12	82,1	892	892,2	920	920,2	952	952,2
Мощность, л.с.	81,0	81	81	88,4	88,4	81	81	88,4	88,4
Transmission type	mechanical					mechanical synchronized			
Brand	D-243	D-243	D-243	D-245,5	D-245,5	D-243	D-243	D-245,5	D-245,5
Maximum torque, N · m	298	298	298	396	396	298	298	396	397
Clutch coupling	single-disk, with mechanical control drive, friction, of spring-loaded type								
Number of gears forward / backward	18/4	18/4	18/4	18/4	18/4	14/4	14/4	14/4	14/4
Rear PTO: - independent rpm; - synchronous r/m of the way	540-1000; 3,4	540-1000; 3,4	540-1000; 3,4	540-1000; 3,23	540-1000; 3,36	540-1000; 3,23	540-1000; 3,23	540-1000; 3,23	540-1000; 3,36
Load capacity on suspension axis, kg	3200	3200	3200	3200	3200	3200	3200	3200	3200
Pump capacity, l / min	45	45	45	45	45	3,23	45	45	45
Capacity of hydraulic tank, l	25	25	25	25	25	28	28	28	28
Undercarriage	4x2			4x4 wheel base					
Brakes	dry double-disk / single-line pneumatic drive					dry (wet) double-disk (three-disk) / single-line pneumatic drive (optional double wire)			
Maximum weight, kg	6500	6500	6500	7000	7000	7000	7000	7000	7000
Cabin type	cabin with heater, air conditioner (optional)								
Number of cylinders, pcs.	4	4	4	4	4	4	4	4	4
Specific fuel consumption, g / kW · h	229(+3)	229(+3)	229(+3)	226(+3)	226(+3)	229(+3)		226(+3)	232(+5)
Distinctive features	4x2 drive	beam bridge		Turbo-charged engine	Turbo-charged engine, beam bridge	Synchro-nized gearbox	Synchro-nized gearbox, beam bridge	Synchro-nized gearbox, Turbo-charged engine	Synchro-nized gearbox, beam bridge, turbo-charged engine

TRACTOR BELARUS-92P



BELARUS-92P basic chassis is intended to be aggregated with mounting equipment for various purposes to perform works in industrial and construction spheres, as well as in municipal services: earthmoving, excavating, loading and unloading, road cleaning, etc.

ADVANTAGES:

- > Reinforced cabin frame, opening rear window, plastic cladding of improved design, forced frame of clutch coupling
- > Front axle of increased lift capacity
- > Reverse gear (allows changing the direction with the help of one lever, in standard gearboxes you need to switch gear range to the back, and then switch the gear). By special order it is possible to equip the tractor with the rear mounting system with hydraulic lift

Technical characteristics	BELARUS – 92P
Type	4 cylinder turbocharged
Power, h.p.	90
Brand	D-245,5
Environmental standard	Stage 0
Specific fuel consumption, g / kW · h	226,0+6,8
Maximum torque, N · m	396,8
Gearbox	mechanical, step-by-step, with reverse gear, with single lever control, with ninth gear lock
Clutch coupling	Dry, single-disk
Number of gears forward / backward	8/8
Rear PTO, rpm	540/1000
Load capacity of the rear mounting system on suspension axis, kg, not less than	4000
Maximum pressure, MPa	20-2
Volumetric pump flow at rated rotation frequency of diesel engine crankshaft, l / min, not less	45
Capacity of hydraulic tank, l	25,5±0,5
Undercarriage	
Type	Wheels
Wheel arrangement	4x4
Front tires	360/70R24
Rear tires	18,4R34;15,5R38
Other features	
Brakes / trailer brakes	dry double-disk (three-disk) / single-line pneumatic drive
Maximum weight, kg	7000
Climatic category	Y1
Minimum and maximum speeds forward /back km / h	Min 1,63/2,02; Max 28,83/14,46
Reverse gear	Mechanical

TRACTOR BELARUS-921



BELARUS-921 is designed to perform a complex set of works on cultivation of orchards and vinelands: working with a milling cutter, sprayers, performing a number of mechanized works in cattle breeding, distributing and harvesting of fodder, as well as in industry, construction, communal services and transport together with mounted, semi-mounted and trailed machines and implements.

ADVANTAGES:

- > Low profile structure (width 1550 mm, height 2450 mm), which makes it possible to perform works in indoor spaces with low doorways
- > Low center of gravity, which allows it to operate on the terrain with difficult landscape
- > Powerful 95 h.p. engine (with turbocharging and intermediate air cooling), complying with EURO-2, EURO-3 environmental standards
- > Front axle with main transmission, self-blocking differential, wheel-hub drive. An outstanding feature is that it has no possibility to adjust the track regulation
- > Reduced tractor height
- > Hydraulic system: separate-modular, with power positional and high-altitude regulation
- > Front mounting system is available to be installed upon request. Increased hydraulic capacity is available upon request
- > New, improved tractor design, more comfortable cabin

Technical characteristics	BELARUS – 921	BELARUS – 921,3
Type	turbocharged and aftercooling	turbocharged and aftercooling
Number of cylinders, pcs.	4	4
Power, h.p.	89	95
Engine brand	D-245,5C	D-245,5S2
Capacity of fuel tanks, l	95	95
Transmission type	mechanical, step-by-step	mechanical, step-by-step
Front axle	with main drive, limited slip differential, wheel reduction gears	with main drive, limited slip differential, wheel reduction gears
Number of gears: forward / backward	18/4	18/4
Hydraulic lift on suspension axis, kg	3600	3600
Hydraulic suspension system	universal, separate-modular, with power positional and high-altitude regulation	universal, separate-modular, with power positional and high-altitude regulation
Capacity of hydraulic tank, l	45	45
Cabin type	cabin with heater	cabin with heater
Size of tires, front; rear	265/70R16; 420/70R24	

TRACTOR BELARUS-922.3



Tractors are designed to perform various agricultural work coupled with mounted, semi-mounted and trailed machines and implements, works on transport.

ADVANTAGES:

- > Front axle of beam type, planetary cylindrical gear box
- > Reduced cab height
- > Hydraulic system: separate-modular, with power positional and high-altitude regulation
- > Increased load capacity of the mounting system
- > New, improved tractor design, more comfortable cabin
- > Synchronized gearbox (smoother shifting of gears)

Technical characteristics	BELARUS – 922,3
Engine type	4-cylinder, turbocharged
Engine power, hp / kW	95,2/70,0
Engine brand	D-245,5S2
Environmental standard	Stage II
Specific fuel consumption, g / kW · h	229
Maximum torque, N · m	451
Transmission	
Gearbox	synchronized dual-band, with multiplier
Clutch coupling	friction, single-disk, spring-loaded
Number of gears forward / backward	14/4
Rear PTO, rpm	540/1000
Hydraulic system	
Load capacity of rear mounting system on the suspension axis, kg, not less than	4000
Maximum pressure, MPa	20-2
Volumetric pump flow at rated rotation frequency of diesel engine crankshaft, l / min, not less	45
Capacity of hydraulic tank, l	28,0±0,5
Undercarriage	
Type	Wheels
Wheel arrangement	4x4
Tires	
Front	360/70R20
Rear	18,4R34
Other features	
Brakes / trailer brakes	Dry (wet) three-disk / pneumatic, interlocked with tractor brake control
Maximum weight, kg	7000
Climatic category	Y1,T1
Minimum and maximum speed:	Min 2,58/5,44; Max 37,1/12,2
forward / back, km / h	Min 2,58/5,44; Max 37,1/12,42
Reverse gear	Mechanical

TRACTOR BELARUS-1025



Tractors are designed to perform various agricultural works with mounted, semi-mounted and trailed machines and implements, works on transport. Belongs to 1.4 drawbar category.

ADVANTAGES:

- > Transmission with forced lubrication system
- > Power take-off shaft with hydraulic compression disc
- > Front axle with planetary-cylindrical gearboxes
- > Diesel engine regarding emission of harmful substances corresponds to ecological requirements of Stage I
- > Front axle with planetary-cylindrical wheel gear
- > Rear axle with planetary final gears
- > Hydraulic mounting system with hydraulic lift

Technical characteristics	BELARUS – 1025,2	BELARUS – 1021
Number of cylinders, pcs.	4	4
Engine type	Turbocharged	turbocharged
Engine power, kW (h.p.)	77(105)	77(105)
Brand	D-245	D-245
Environmental requirements	Stage 0	Stage 0
Specific fuel consumption, g / kW · h	244,00(+5)	236,00(+3)
Maximum torque, N · m	385	385
Transmission type	Mechanical synchronized	Mechanical synchronized
Clutch coupling	friction, single disk, spring-loaded	friction two-disk
Number of gears forward / backward	16/8	14/4
Rear PTO, rpm	540/1000	540/1000
Hydraulic lift on suspension axis, kg	4200	4200
Maximum pressure, MPa	20	20
Pump capacity, l	56	46
Cabin type	Cabin with the heater	Cabin with the heater
Capacity of hydraulic tank, l	28	28
Wheel arrangement	Wheels, 4x4	Wheels, 4x4
	8000	7500
Brakes	dry three-disk / pneumatic, interlocked with control of tractor brakes	dry three-disk / pneumatic, interlocked with control of tractor brakes
Maximum weight, kg	8000	7500
Tires	Front: 360/70R24 Rear 18,4R34	Front:360/70R24 Rear:16,9R38
Climatic category	Y1,T1	Y1,T1
Minimum and maximum speed forward / back, km / h	Min: 2,3/4,1; Max: 36,6/17,2	Min: 2,3/4,1; Max: 36,6/17,2

TRACTOR BELARUS-1221.2



Tractors are designed to perform various agricultural works together with mounted, semi-mounted and trailed implements, on transport, with loading and unloading facilities, harvesting complexes and in order to drive various stationary agricultural implements. Characterized by the presence of hydraulic lift, lining of a modified design.

BELARUS-1221.2 Tropic outstanding features are: radiator of engine cooling system with increased net volume; new metal lining (necessary for installing a larger radiator), dual fuel tanks, total fuel volume of 250 liters - for more than 10 hours of work under load. A special feature of Belarus-1221.2B2 tractor is a reversible control post; a version with a creeper gear and front mounting system are made upon request.

Technical characteristics	BELARUS – 1221.2	BELARUS – 1221.2 B2	BELARUS – 1221.2 TROPIC
Number of cylinders, pcs.	6	6	6
Engine type	turbocharged	turbocharged	turbocharged
Engine power, kW (h.p.)	96 (130)	96 (130)	96 (130)
Brand	D-260,2	D-260,2	D-260,2
Environmental requirements	Stage0/Tier1	Stage0/Tier1	Stage0/Tier1
Specific fuel consumption, g / kW · h	226	226	226
Maximum torque, N · m	500	500	500
Transmission type	Mechanical synchronized	Mechanical synchronized	Mechanical synchronized
Clutch coupling	friction dual disk spring-loaded	friction dual disk spring-loaded	friction dual disk spring-loaded
Number of gears forward / backward	16/8	16/8	16/8
Rear PTO shaft: - independent, rpm; - synchronous, r/m of the way	540/1000; 4,85	540/1000; 4,85	540/1000; 4,85
Hydraulic lift on suspension axis, kg	4300	4300	4300
Maximum pressure, MPa	20 (-2)	20 (-2)	20 (-2)
Pump capacity, l	51	51	51
Capacity of hydraulic tank, l	28	28	28
Cabin type		Cabin with the heater	
Wheel arrangement	Wheels, 4x4	Wheels, 4x4	Wheels, 4x4
Brakes	Dry (wet) three-disk / pneumatic, interlocked with control of tractor brakes	Dry (wet) three-disk / pneumatic, interlocked with control of tractor brakes	Dry (wet) three-disk / pneumatic, interlocked with control of tractor brakes
Maximum weight, kg	8000	8000	8000
Tires	Front: 420/70R24 Rear 18,4R38	Front: 420/70R24 Rear 18,4R38	Front: 420/70R24 Rear 18,4R38
Climatic category	Y1	Y1	T1
Minimum and maximum speed forward / back, km / h	Min: 1,54/2,75; Max: 35,0/16,4	Min: 1,54/2,75; Max: 35,0/16,4	Min: 1,54/2,75; Max: 35,0/16,4

TRACTOR BELARUS-1523



Agricultural powered wheel tractor BELARUS-1523 has six-cylinder in-line diesel engine, turbocharging and low fuel and oil consumption. It meets safety and environmental requirements as per emission of harmful substances and heavy particles. It is adapted for both domestic and imported fuels and lubricants.

Designed to perform various agricultural work with mounted, semi-mounted, trailed machines, loading and unloading facilities, harvesting complexes and in order to drive various stationary agricultural implements, as well as for transport works in various climatic zones. By special order, a model with front mounting system and front PTO shaft may be produced.

Technical characteristics	BELARUS – 1523	BELARUS – 1523B	BELARUS – 1523B-51-55
Number of cylinders, pcs.	6	6	
Engine type	turbocharged	turbocharged	turbocharged
Engine power, h.p.		148	
Brand	D-260,1	D-260,1	D-260,1
Environmental requirements	Stage 0	Stage 0	Stage 0
Specific fuel consumption, g / kW · h	227 (+7)	227 (+7)	227 (+7)
Maximum torque, N · m	596,8	596,8	596,8
Transmission type	Mechanical synchronized	Mechanical synchronized	Mechanical synchronized/ hydromechanical
Clutch coupling	friction dual disk spring-loaded	friction dual disk spring-loaded	friction dual disk spring-loaded
Number of gears forward / backward	16/8	16/8	16/8
Rear PTO shaft: - independent, rpm; - synchronous, r/m of the way	540/1000; 3,8	540/1000; 3,8	540/1000; 3,8
Hydraulic lift on suspension axis, kg	6500	6500	6500
Maximum pressure, MPa	20 (-2)	20 (-2)	20 (-2)
Pump capacity, l	55	55	55
Capacity of hydraulic tank, l	30,5±0,5	30,5±0,5	30,5±0,5
Cabin type	Panoramic cabin	Panoramic cabin	Panoramic cabin
Wheel arrangement	Wheels, 4x4	Wheels, 4x4	Wheels, 4x4
Brakes	Dry (wet) three-disk / pneumatic, interlocked with control of tractor brakes	Dry (wet) three-disk / pneumatic, interlocked with control of tractor brakes	Dry (wet) three-disk / pneumatic, interlocked with control of tractor brakes
Maximum weight, kg	9000	9000	9000
Tires	Front: 420/70R24 Rear 520/70R38	Front: 420/70R24 Rear 520/70R38	Front: 420/70R24 Rear 520/70R38
Climatic category	Y1	Y1	Y1
Minimum and maximum speed forward / back, km / h	Min: 1,73/2,72; Max: 32,38/15,52	Min: 1,73/2,72; Max: 32,38/15,52	Min: 1,73/2,72; Max: 32,38/15,52

TRACTOR BELARUS-2022



Tractors are designed to perform various agricultural works of general purpose, main and pre-sowing soil treatment, sowing as part of wide-cut and combined units, harvesting as part of high-performance harvesting complexes, transport works. BELARUS-2022B.3-17-32 has a reversible control post, transmission with reduced speed range.

ADVANTAGES:

- > Diesel emission of harmful substances corresponds to Stage II
- > Air conditioning
- > Rear wheel doubling kit

Technical characteristics	BELARUS – 2022.3	BELARUS – 2022B3 (REVERSE)	BELARUS – 2022B.3- 17-32
Number of cylinders, pcs.	6	6	6
Engine type	turbocharged and aftercooling	turbocharged and aftercooling	turbocharged and aftercooling
Engine power, h.p.	212,0	212,0	212,0
Brand	D-260,4S2	D-260,4S2	D-260,4S2
Environmental requirements	StageII/Tier2	StageII/Tier2	StageII/Tier2
Specific fuel consumption, g / kW · h	249	249	249
Maximum torque, N · m	900	900	900
Transmission type	Mechanical synchronized	Mechanical synchronized	Mechanical synchronized
Clutch coupling	friction dual disk spring- loaded	friction dual disk spring- loaded	friction dual disk spring- loaded
Number of gears forward / backward	24/12	24/12	24/12
Rear PTO shaft, rpm	540/1000	540/1000	540/1000
Hydraulic lift on suspension axis, kg	6500	6500	6500
Maximum pressure, MPa	20 (-2)	20 (-2)	20 (-2)
Pump capacity, l	55	55	55
Capacity of hydraulic tank, l	30,5±0,5	30,5±0,5	30,5±0,5
Cabin type	Panoramic cabin	Panoramic cabin	Panoramic cabin
Wheel arrangement	Wheels, 4x4	Wheels, 4x4	Wheels, 4x4
Brakes	multidisk / pneumatic, interlocked with tractor brake control	multidisk / pneumatic, interlocked with tractor brake control	multidisk / pneumatic, interlocked with tractor brake control
Maximum weight, kg	10000	10000	10000
Tires	Front: 420/70R24 Rear 580/70R42	Front: 420/70R24 Rear 580/70R42	Front: 420/70R24 Rear 580/70R42
Climatic category	Y1	Y1	Y1
Minimum and maximum speed forward / back, km / h	Min: 1,86/2,60; Max: 39,7/18,4	Min: 1,86/2,60; Max: 39,7/18,4	Min: 1,14/1,6; Max: 24,33/11,27

TRACTOR BELARUS-3022



Powered wheel tractors based on BELARUS-3022 are designed to perform various agricultural works with mounted, semi-mounted and trailed machines, in transport sphere, with loading and unloading means, cleaning complexes, and in order to drive various stationary agricultural implements. Tractor Belarus-3022 DEUTZ 1-39 / 131-46 / 461 (front and rear wheel coupling, front loads). Tractor Belarus-3022 DEUTZ 1-46 / 461 (rear coupling, front mounting system and front PTO shaft).

ADVANTAGES:

- > Tractors are intended for long work in reverse mode and have reverse control station, which includes an additional steering column, duplicate clutch control, brakes, fuel supply as well as special swivel seat for works both on forward and on reverse run
- > Used on plowing at high speeds, deep loosening and cultivation, pre-sowing tillage, sowing of grain and other crops together with wide-cut and combined units, performance of tilled works in wide inter-row spacing, harvesting works



Technical characteristics	BELARUS – 3022 DEUTZ
Number of cylinders, pcs.	6
Engine type	turbocharged and aftercooling
Engine power, h.p.	303,3
Brand	DEUTZ BF06M1013FC
Environmental requirements	StageII/Tier2
Specific fuel consumption, g / kW · h	248,00 (+12,45)
Maximum torque, N · m	1300
Transmission type	mechanical
Clutch coupling	friction dual disk spring-loaded
Number of gears forward / backward	36/24
Rear PTO shaft, rpm	1000
Hydraulic lift on suspension axis, kg	10000
Maximum pressure, MPa	20,5±0,5
Pump capacity, l	120
Capacity of hydraulic tank, l	100
Cabin type	Panoramic cabin
Wheel arrangement	Wheels, 4x4
Brakes	disc / pneumatic, interlocked with tractor brake control
Maximum weight, kg	14000
Tires	Front: 540/65R30 Rear 580/70R42; 620/65R42;650/65R42
Front mounting system/front PTO shaft	+/+
Climatic category	Y1

TRACTOR BELARUS-3522



This tractor is designed to perform energy-intensive agricultural and construction works in traction and traction-drive modes in composition of wide-cut and combined units, as well as with consequential mounting of implements, on main and pre-sowing soil treatment, sowing of grain and other crops, forage harvesting, root crops, grain new and technical crops; to carry transport and stationary works, in construction and industry. Diesel TCD 2013 L064V (DEUTZ) emission of harmful substances corresponds to Tier IIIA level.

ADVANTAGES:

- > Mechanically controlled hydraulic system
- > Kit for coupling of rear wheels in standard specification
- > Air conditioning
- > Front mounting system
- > Front PTO shaft



Technical characteristics	BELARUS – 3522
Engine type	6-cylinder, with turbocharging and aftercooling
Engine power, h.p./ kW	355/261
Brand	TCD 2013L06 4V
Environmental requirements	StageIII3A
Specific fuel consumption, g / kW · h	240±5
Maximum torque, N · m	1498
Gearbox	mechanical, step by step, with constant-mesh gear. Gear shifting within ranges carried out by friction hydraulically operated couplings, range shifting – with the help of cable
Clutch coupling	Friction, dry, double -disk
Number of gears forward / backward	36/24
Rear PTO shaft, min-1	1000
Load capacity of rear mounting system on the suspension axis, kg, not less than	10000
Maximum pressure, MPa	20
Pump capacity, l	116,5±0,5
Undercarriage type	Wheel
Wheel arrangement	4x4
Tires	
Front	600/65R34
Rear	710/70R42
Brakes / trailer brakes	wet disc / pneumatic, interlocked with tractor brake control
Maximum weight, kg	14000
Front mounting system/front PTO shaft	+/+
Climatic category	Y1
Minimum and maximum speed forward / back, km / h	Min 0,34/0,43; Max 40,00/20,80

LOW PRESSURE WHEEL SETS



«BELAGRO-HOZYAIN»
82-KND; 1221-KND, 1523-KND
0x2 (rear pair only)

The kit includes:

- > 2 rear wheels
- > 2 rear spacer



«BELAGRO-VEZDEHOD»
1221, 1523
2x2 (front and rear pair)

The kit includes

- > 2 front wheels
- > 2 rear wheels
- > 4 spacers

DIFFICULTIES AT FIELD WORKS:

1. High ground pressure
2. Restriction of passability on weakly bearing soils
3. Presence of a slip, loss of traction power
4. Insufficient payload, limitations of application
5. Need to work in the technological track

PSOLUTION: SETS OF WHEELS OF «BELAGRO» SERIES

Low pressure wheel sets (KND) are applied for direct sowing, harvesting, early spring work, sowing, disking. Provide a particularly gentle press on the soil. This is achieved by the use of twin rear wheels, installed by means of hub spacers. On plowing and cultivation the productivity is increased and the reduction in fuel consumption per hectare reaches 20%.

ADVANTAGES:

- > **Cost effectiveness:**
 - fuel saving by 15-20% due to an increase in traveling force by 25-30%, reducing slip by 20%;
 - less energy consumption leads to a reduction in the load on the tractor, increase of service life and durability of the equipment use are observed, the cost of maintaining the equipment is reduced, which leads to cost savings on labor costs.
- > **Reliability-quality:**
 - reduction of pressure on the soil in 2-2.5 times and as a result low soil compaction, preservation of fertility, increase in productivity up to 30%, better quality of tillage;
 - guarantee of field works performance in optimum agrotechnical time limits.
- > **Performance:**
 - increase in tractive effort by 25-30%, decrease in slipping by 20%, increase in speed by 15% due to greater area of contact of the tires with the soil, as a result - reduction in the cost of work up to 15%;
 - increase of the annual tractor load.
- > **Utility:**
 - possibility of using equipment on any soil;
 - increase tractor functionality, optimization of tractor park;
 - possibility of combining, aggregation with additional equipment, which greatly expands the types of work performed.
- > **Usability and comfort:**
 - increasing stability and passability of the tractor, rolling resistance ensures comfort to the operator, preserving maneuverability of the equipment with an increase in weight and dimensions;
 - quick assembly / disassembly of additional wheels.

SETS OF WHEELS FOR INTERROW PROCESSING



«BELAGRO-UROZHAY»
82/450

0x4 (rear coupled wheels)

The kit includes:

- > 4 rear wheels 9.5R42
- > 2 spacers for inter-row spacing of 450



«BELAGRO-UROZHAY»
1221, 1523 /450

2x4 (front single wheels, rear coupled narrow wheels)

The kit includes:

- > 2 front wheels 11.2x24
- > 4 rear wheels 9.5R42
- > 2 spacers for inter-row spacing of 450

Sets of wheels for interrow processing allow process the crops without damaging the roots. It is provided by the use of narrow rear wheels 9.5 x42, installed by means of hub spacers, providing a track of 450 mm between the outer and inner rear coupled wheels.

Installation of the kit does not require special skills and devices, making it easy to use. Each kit contains detailed manual on assembling and operation.

Sphere of application: tillage, seeding, weeding, additional feeding and other interrow field work. Treated crops: corn, potatoes, sugar beets, sunflower.

ADVANTAGES:

- > **Cost effectiveness:**
 - fuel saving by 15-20% due to increase in traveling force by 25-30%, reduction in slip by 20%;
 - less energy consumption leads to reduction in the load on the tractor, increase of service life and durability of the equipment use are observed, the cost of maintaining the equipment is reduced, which leads to savings on labor costs.
- > **Reliability-quality:**
 - reduction of pressure on the soil in 2-2.5 times and as a result low soil compaction, preservation of fertility, increase in productivity up to 30%;
 - processing of culture without damage to the roots;
 - guarantee of field works performance in optimum agrotechnical time limits.
- > **Performance:**
 - increase in productivity of the unit up to 15% and reduction in the cost of work;
 - ability to work in the technological track / interrow;
 - increase in the annual load of tractors;
 - guarantee of field works performance in optimum agrotechnical time limits.
- > **Utility:**
 - increase tractor functionality, optimization tractor park;
 - possibility of using the same narrow wheels for different models of MTZ tractors;
 - expanding the capabilities of the kit from 450 mm to 750 mm due to additional adapters.
- > **Usability and comfort:**
 - increasing the stability and maneuverability of the tractor ensures comfort to the operator;
 - quick assembly / disassembly of narrow wheels



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