

BELARUS TRACTOR



BELARUS 451

Description:-

This tractor is intended for various agricultural operations coupled with mounted, semi-mounted and trailed machines, for hauling operations and for operations in industry.

Small dimensions, high road clearance, final drive with planetary gear group.

The BELARUS 451 tractor is built on the base on BELARUS 651 tractor.

Environmental standard Stage IIIa.

Technical characteristics

Engine

Type	four-stroke diesel engine
Model	«LOMBARDINI» LDW2204/CATERPILLAR C2.2 Gn51
Power, kW (h.p.)	36,6 (50)/38 (51)
Crankshaft rated speed, rpm	3000
Number of cylinders, pcs.	4
Displacement, l	2,2
Maximum torque, Nm	125/142,7
Specific fuel consumption at operating power, g/kWh	329/324
Factor of torque backup, %	15/17
Fuel tank capacity, l	45



Erisha Agritech Private Limited

(A Rana Group Company)

403 A, 4th Floor, Copia Corporate Suites, Plot No.9 Jasola, New Delhi-110025

Web: www.gonselmash.in, Email : marketing@gonselmash.in TEL: +91 1145136121, +91 1143754337



Transmission

Clutch	dry, single-disk
Gearbox	mechanical, with easy-engagement clutches
Number of gears: forward/reverse	16/8
Travel speed: forward/reverse, km/h	1,3-40/2,3-21,6

Rear PTO:

continuous I, rpm	540
continuous II, rpm	1000 (+continuous III, PTO 540e)
ground-speed I, rev/m of travel	2,9
ground-speed II, rev/m of travel	5,4 or 3,7

Hydraulic lift linkage

Versatile, remote-cylinder	1700
Lifting capacity at suspension point, kg	
Maximum pressure, MPa	20
Pump performance, l/min	40
Hydraulic system capacity, l	19

Dimensions and weight

Overall length, mm	3270
Width, mm	1675
Height to cabin top, mm	2260
Tractor base, mm	1900

Track, mm:-

front wheels	1260, 1410
rear wheels	1300, 1350, 1450, 1520, 1620
Agrotechnical clearance, mm	470
Least turning radius, m	3,8
Operating weight, kg	3000

Tire sizes:-

front wheels	9,50-20
rear wheels	14.9R24
Wheel arrangement	4x4



Erisha Agritech Private Limited

(A Rana Group Company)

403 A, 4th Floor, Copia Corporate Suites, Plot No.9 Jasola, New Delhi-110025

Web: www.gonselmash.in, Email : marketing@gonselmash.in TEL: +91 1145136121, +91 1143754337



Additional options

- 1.) Front lift linkage;
- 2.) Front PTO with shaft shank;
- 3.) Front ballast weights;
- 4.) Hitch hoses;
- 5.) Bracket with cutoff clutches;
- 6.) TSU-1M tow hitch (pendulum, hydraulic hook);
- 7.) Economical PTO 540e.



BELARUS 622

Description:-

This tractor is intended for various agricultural operations coupled with mounted, semi-mounted and trailed machines, for hauling operations and for operations in industry.

Small dimensions allow using the tractor in greenhouses and small rooms, low-contour land plots.

Environmental standard Stage IIIa.

Technical characteristics

Engine

Type	four-stroke diesel engine with pre-chamber injection
Model	«LOMBARDINI» LDW2204T
Power, kW (h.p.)	46 (62,5)
Crankshaft rated speed, rpm	3000
Number of cylinders, pcs.	4
Displacement, l	2,07
Maximum torque, Nm	174
Specific fuel consumption at operating power, g/kWh	329
Factor of torque backup, %	18
Fuel tank capacity, l	90



Erisha Agritech Private Limited

(A Rana Group Company)

403 A, 4th Floor, Copia Corporate Suites, Plot No.9 Jasola, New Delhi-110025

Web: www.gonselmash.in, Email : marketing@gonselmash.in TEL: +91 1145136121, +91 1143754337



Transmission

Clutch	dry, single-disk
Gearbox	mechanical, with easy-engagement clutches
Number of gears: forward/reverse	16/8
Travel speed: forward/reverse, km/h	1,2-36,6/2,1-19,5

Rear PTO:

continuous I, rpm	540
continuous II, rpm	1000
ground-speed I, rev/m of travel	3,2
ground-speed II, rev/m of travel	6

Hydraulic lift linkage

Versatile, remote-cylinder	2800
Lifting capacity at suspension point, kg	
Maximum pressure, MPa	20
Pump performance, l/min	40
Hydraulic system capacity, l	22

Dimensions and weight

Overall length, mm	3450
Width, mm	1700
Height to cabin top, mm	2380
Tractor base, mm	1390

Track, mm:-

front wheels	1390, 1530
rear wheels	1410, 1510, 1560, 1660, 1730 ,1830
Agrotechnical clearance, mm	560
Least turning radius, m	3,9
Operating weight, kg	4000

Tire sizes:-

front wheels	12,4R-16
rear wheels	360/70R24
Wheel arrangement	4x4



Erisha Agritech Private Limited

(A Rana Group Company)

403 A, 4th Floor, Copia Corporate Suites, Plot No.9 Jasola, New Delhi-110025

Web: www.gonselmash.in, Email : marketing@gonselmash.in TEL: +91 1145136121, +91 1143754337



Additional options

- 1.) Front lift linkage;
- 2.) Front PTO with shaft shank;
- 3.) Front ballast weights;
- 4.) Hitch hoses;
- 5.) Bracket with cutoff clutches;
- 6.) TSU-1M tow hitch.



BELARUS 651

Description:-

This tractor is intended for various agricultural operations coupled with mounted, semi-mounted and trailed machines, for hauling operations and for operations in industry.

Small dimensions, high road clearance, final drive with planetary gear group.

Environmental standard Stage IIIa.

Technical characteristics

Engine

Type	four-stroke diesel engine
Model	«LOMBARDINI» LDW2204T/CATERPILLAR C2.2 GP61B
Power, kW (h.p.)	46(62,5)/45,5(62)
Crankshaft rated speed, rpm	3000
Number of cylinders, pcs.	4
Displacement, l	2,2
Maximum torque, Nm	174,189,1
Specific fuel consumption at operating power, g/kWh	329 / 324
Factor of torque backup, %	18/30
Fuel tank capacity, l	45



Erisha Agritech Private Limited

(A Rana Group Company)

403 A, 4th Floor, Copia Corporate Suites, Plot No.9 Jasola, New Delhi-110025

Web: www.gonselmash.in, Email : marketing@gonselmash.in TEL: +91 1145136121, +91 1143754337



Transmission

Clutch	dry, single-disk
Gearbox	mechanical, with easy-engagement clutches
Number of gears: forward/reverse	16/8
Travel speed: forward/reverse, km/h	1,3-40/2,3-21,6

Rear PTO:

continuous I, rpm	540
continuous II, rpm	1000 (+continuous III, PTO 540e)
ground-speed I, rev/m of travel	2,9
ground-speed II, rev/m of travel	5,4 or 3,7

Hydraulic lift linkage

Versatile, remote-cylinder	1700
Lifting capacity at suspension point, kg	
Maximum pressure, MPa	20
Pump performance, l/min	40
Hydraulic system capacity, l	19

Dimensions and weight

Overall length, mm	3270
Width, mm	1675
Height to cabin top, mm	2260
Tractor base, mm	1900

Track, mm:-

front wheels	1260, 1410
rear wheels	1300, 1350, 1450, 1520, 1620
Agrotechnical clearance, mm	470
Least turning radius, m	3,8
Operating weight, kg	3000

Tire sizes:-

front wheels	9,50-20
rear wheels	14.9R24
Wheel arrangement	4x4



Erisha Agritech Private Limited

(A Rana Group Company)

403 A, 4th Floor, Copia Corporate Suites, Plot No.9 Jasola, New Delhi-110025

Web: www.gonselmash.in, Email : marketing@gonselmash.in TEL: +91 1145136121, +91 1143754337



Additional options

- 1.) Front lift linkage;
- 2.) Front PTO with shaft shank;
- 3.) Front ballast weights;
- 4.) Hitch hoses;
- 5.) Bracket with cutoff clutches;
- 6.) TSU-1M tow hitch;
- 7.) Economical PTO 540e.



BELARUS 920.4

Description:-

This tractor is intended for various agricultural operations coupled with mounted, semi-mounted and trailed machines and implements, for hauling operations. BELARUS-900.4 tractor with front non-driving axle.

BELARUS-920.4 tractor with front driving axle with planetary spur gear groups.

Environmental standard Stage IIIa.

Technical characteristics

Engine

Type	diesel engine with CommonRail or Mercer fuel
	injection system, with turbocharge and intercooler
Model	D-245.43S3A (MMZ)
Power, kW (h.p.)	62 (84)
Crankshaft rated speed, rpm	1800
Number of cylinders, pcs.	4
Displacement, l	4,75
Maximum torque, Nm	411
Specific fuel consumption at operating power, g/kWh	235
Factor of torque backup, %	25
Fuel tank capacity, l	135



Erisha Agritech Private Limited

(A Rana Group Company)

403 A, 4th Floor, Copia Corporate Suites, Plot No.9 Jasola, New Delhi-110025

Web: www.gonselmash.in, Email : marketing@gonselmash.in TEL: +91 1145136121, +91 1143754337



Transmission

Clutch	dry, single-disk
Gearbox	synchromesh
Number of gears: forward/reverse	14/4
Travel speed: forward/reverse, km/h	2,6-38,1 (2,0-28,8)/5,6-12,6 (4,2-9,5)

Rear PTO:

continuous I, rpm	540
continuous II, rpm	1000
ground-speed I, rev/m of travel	3, 36

Hydraulic lift linkage

Remote-cylinder, with hydraulic lift, providing, draft	4000
positional mixed and height adjustment of agricultural	
implement position.Lifting capacity at suspension point, kg	
agricultural implement position	
Maximum pressure, MPa	20
Pump performance,l/min	45
Hydraulic system capacity, l	28

Dimensions and weight

Overall length, mm	4440
Width, mm	1970
Height to cabin top, mm	2850

Track, mm:-

front wheels	1535-2120
rear wheels	1500-2100
Agrotechnical clearance, mm	510
Fordable depth, m	0,85
Operating weight, kg	4800

Tire sizes:-

front wheels	360/70R24
rear wheels	18,4R34
Wheel arrangement	4x2/4x4



Erisha Agritech Private Limited

(A Rana Group Company)

403 A, 4th Floor, Copia Corporate Suites, Plot No.9 Jasola, New Delhi-110025

Web: www.gonselmash.in, Email : marketing@gonselmash.in TEL: +91 1145136121, +91 1143754337



Specificity of the model

Front driving axle with planetary-spur gear groups. Renewed interior. Plastic facings of improved design.

Additional options

- 1.) Metal-ceramic pads for coupling clutch;
- 2.) Double-lever gearbox;
- 3.) Creeper;
- 4.) Brakes operating in oil bath;
- 5.) Additional seat;
- 6.) Kit for twinning of rear wheels;
- 7.) Ballast weights for rear wheels;
- 8.) Air conditioner;
- 9.) Reverse reduction unit;
- 10.) Step down reduction unit with reverse reduction gear;
- 11.) Hydraulic drive for trailer brakes;
- 12.) Hydraulic system with hydraulic lift;
- 13.) FDA with bevel gear groups.



BELARUS 952.4

Description:-

This tractor is intended for various agricultural operations coupled with mounted, semi-mounted and trailed machines and implements, for hauling operations. Synchronized gearbox, front driving axle with planetary-spur gear group

Environmental standard Stage IIIa.

Technical characteristics

Engine

Type	diesel engine with CommonRail or Mercer fuel
	injection system, with turbocharge and intercooler
Model	D-245.5S3A (MMZ)
Power, kW (h.p.)	70 (95)
Crankshaft rated speed, rpm	1800
Number of cylinders, pcs.	4
Displacement, l	4,75
Maximum torque, Nm	464
Specific fuel consumption at operating power, g/kWh	220
Factor of torque backup, %	25
Fuel tank capacity, l	135



Erisha Agritech Private Limited

(A Rana Group Company)

403 A, 4th Floor, Copia Corporate Suites, Plot No.9 Jasola, New Delhi-110025

Web: www.gonselmash.in, Email : marketing@gonselmash.in TEL: +91 1145136121, +91 1143754337



Transmission

Clutch	dry, single-disk
Gearbox	mechanical, synchromesh
Number of gears: forward/reverse	14/4
Travel speed: forward/reverse, km/h	2,8-39,9 (2,1-29,9)/5,8-13,2 (4,4-9,9)
Rear PTO:	
continuous I, rpm	540
continuous II, rpm	1000
ground-speed I, rev/m of travel	3, 36
PTO control	electrohydraulic

Hydraulic lift linkage

Remote-cylinder, with hydraulic lift, providing, draft	4000
positional mixed and height adjustment of agricultural	
implement position.Lifting capacity at suspension point, kg	
agricultural implement position	
Maximum pressure, MPa	20
Pump performance,l/min	45
Hydraulic system capacity, l	28

Dimensions and weight

Overall length, mm	4440
Width, mm	1970
Height to cabin top, mm	2850
Tractor base, mm	2450

Track, mm:-

front wheels	1535-2120
rear wheels	1500-2100
Agrotechnical clearance, mm	510
Fordable depth, m	0,85
Operating weight, kg	4800

Tire sizes:-

front wheels	360/70R24
rear wheels	18,4R34
Wheel arrangement	4x4



Erisha Agritech Private Limited

(A Rana Group Company)

403 A, 4th Floor, Copia Corporate Suites, Plot No.9 Jasola, New Delhi-110025

Web: www.gonselmash.in, Email : marketing@gonselmash.in TEL: +91 1145136121, +91 1143754337



Additional options

- 1.) Metal-ceramic pads for coupling clutch;
- 2.) Ballast weights for rear wheels;
- 3.) Brakes operating in oil bath;
- 4.) Double-lever gearbox control;
- 5.) Kit for twinning of rear wheels;
- 6.) Additional seat;
- 7.) Air conditioner.



BELARUS 1025.4

Description:-

The tractor is designed for various agricultural operations with mounted, semi-mounted and trailed machines and implements, for transport operations.

Technical characteristics

Engine

Type	diesel engine with turbocharging,
	direct injection and aftercooler
Capacity, h.p/kW	110,2/81,0
Brand mark	D-245S3A (MMZ)
Ecological standard	Stage IIIA
Fuel use, g/(kW·h)	235,00 ± 5,0/279,00 ± 5,0
Torque capacity, H·m2	430

Transmission system

Selective gear	mechanical, synchronized
Flywheel clutch	dry, double disk
Number of gears FWD/BWD	16/8
Back PTO shaft, min-1	540/1000

Rear axle differential lock: with electrohydraulic control, three operating modes (disengaged; lock engaged with automatic disengagement when front wheels turn more than 13 degree; forced engaged).

Hydraulic hitch system: unit-principle with hydraulic IHT, providing draft, position, combined and height position control of implements.

Hydraulics

Load-carrying capacity of back suspension	4200
gear on suspension axis, kg, minimum	
Full scale pressure, Mpa	20 - 2
Pump displacement at nominal speed of	56
diesel crankshaft, l/min, minimum	
Hydraulics reservoir capacity, l	28,5 ± 0,5

Undercarriage

Type	wheeled
Axle arrangement	4K4

Tyres

front	360/70R24; 11,2R24
back	15,5R38; 18.4R34; 9.5R42; 11,2R42

Other specifications

Maximum weight, kg	8000
Climatic modification	Y1,T1
Minimum and maximum speed FWD/BWD, km/h	Min 2,3/4,1; Max 36,6/17,2
Reverse gear	mechanical



Erisha Agritech Private Limited

(A Rana Group Company)

403 A, 4th Floor, Copia Corporate Suites, Plot No.9 Jasola, New Delhi-110025

Web: www.gonselmash.in, Email : marketing@gonselmash.in TEL: +91 1145136121, +91 1143754337



Specificity of the model

At consumer's option the engine of Minsk Motor Plant is installed with "Common RaiF" fuel feed electronic control system from "Bosch" or with "Mercer" fuel feed mechanical control system and "Motorpal" electronic fuel-control unit. Transmission with pressure-lubricating system. Power take-off shaft with hydraulically tightening disks. Front driving axle with planetary spur reduction gears, diesel engine complies with Stage IIIa ecological requirements according to emissions of hazardous substances.

Additional options

- 1.) Brakes operating in oil reservoir;
- 2.) Reducing gear;
- 3.) Set for dual rear wheels;
- 4.) Air conditioner;
- 5.) Additional seat;
- 6.) Lifting type drawbar device;
- 7.) Double-wire pneumatic drive;
- 8.) Combined pneumatic drive.