

BELARUS 320.3

- The tractor is designed for various agricultural operations with mounted, semi-mounted and trailed implements as in industry and for transport operations.
- Distinctions:
 - Small overall dimensions permit to use the tractor in greenhouses and small-sized areas.
 - Diesel engine complies with Stage IIIa ecological requirements according to emissions of hazardous substances.
- Optional equipment:
 - Front hitch.
 - Front PTO with shank.
 - Front ballast weights.
 - Hitching flexible pipes.
 - Bracket with cutoff clutches.

Manufacturer: Republican Unitary Enterprise
«Bobruisk Tractor Parts and Assemblies Plant».



ENGINE

Type	four-stroke diesel
Model	“LOMBARDINI” LDW1603/B3
Power, kW (h. p.)	26.5 (36.0)
Rated speed, rpm	3000
Number of cylinders, pcs.	3
Cylinder bore/piston stroke, mm	88 x 90.4
Displacement, l	1.649
Maximum torque, N·m	92
Factor of torque backup, %	12
Fuel tank capacity, l	32

TRANSMISSION

Clutch	dry, single-disk, friction, spring-loaded
Gearbox	mechanical, fixed-ratio with constant-mesh gears, with easy-engagement clutches, 2-range with back-geared reducer
Number of gears:	
forward	16
reverse	8
Travel speed, km/h:	
forward/reverse	1.0—25.0/1.8—13.3
Rear PTO:	
dependent I, rpm	540
dependent II, rpm	1000
synchronous I, rpm of track	3.4
synchronous II, rpm of track	6.3
Main gear	spiral-bevel gears
Rear axle	gear, bevel with 2 pinions, differential with mechanical lock
Final drives	single-reduction units with spur gears

DIMENSIONS AND WEIGHTS

Overall length, mm	3100
Width, mm	1550
Height, mm	2150
Tractor base, mm	1690
Tread, mm:	
front wheels	1260; 1410
rear wheels	1250; 1400
Agrotechnical clearance, mm	435
Min turning radius, m	3.7
Operating weight, kg:	
without cab	1580
with cab	1720
Tire sizes (standard):	
front wheels	7.5L-16
rear wheels	12.4L-16

HYDRAULIC HITCH SYSTEM

Versatile, unit-principle, implements coupling by means of pins to the lower and top link ends.

Lifting capacity	
at lift point, kg	1100
Maximum pressure, MPa	20
Pump capacity, l/min	17
Hydraulic system capacity, l	9.0