

BELARUS

1523.3/1523B.3



- The tractor is designed for various agricultural operations of general purposes: general tillage and pre-sowing soil treatment, sowing in combination with wide-cut and combined machinery, harvesting consisting of high efficient harvest complexes, transportation and handling operations.
- Distinctions:
 - Diesel engine complies with Tier II Stage according to emissions of hazardous substances, reversible control station (1523B.3).
- Optional equipment:
 - Front PTO
 - Front hitch
 - Mechanical, fixed-ratio gearbox (24/12)
 - Air conditioner
 - Fast-coupling cutoff clutches
 - Additional seat
 - Set for front and rear wheels doubling

ENGINE

Type	diesel with direct injection, turbocharging and intercooler
Model	D-260.1S2
Power, kW (hp)	116 (158)
Rated speed, rpm	2100
Number of cylinders, pcs.	6
Bore/stroke, mm	110x125
Displacement, l	7.12
Maximum torque at 1600 rpm, N•m	596.8
Fuel rate at rated power, g/kW•h	220
Factor of torque backup, %	25
Fuel tank capacity, l	250

TRANSMISSION

Clutch	dry, double-disk, spring-loaded
Gearbox	mechanical, synchronized, fixed-ratio
Gear shifting	by synchronized clutches
Number of gears:	
forward/ reverse	16/8
Travel speed, km/h:	
forward/reverse	1.7-36.3/2.25-17.1
Rear PTO:	independent, double-speed, with hydromechanical control system
independent I, rpm	540
independent II, rpm	1000
synchronous, rpm of track	3.8

Differential lock: friction-type, automatic with hydraulic drive, has 3 operation modes (disengaged; automatic engagement and disengagement; forced engaged). Rear axle with close-type bevel gear differential and planetary final drive.

DIMENSIONS AND WEIGHTS

Overall length, mm	4750
Width, mm	2250
Cab height, mm	3000
Wheelbase, mm	2760
Tread, mm	
front wheels	1540-2115
rear wheels	1520-2435
Road clearance, mm	380
Min turning radius, m	5.5
Weight with front ballast, kg	6000
Tire sizes:	
front wheels	420/70R24
rear wheels	520/70R38

HYDRAULIC HITCH SYSTEM

Electrohydraulic system on the base of "Bosch" units with automatic depth control system, with draft, position and combined control.

Lifting capacity at lower link ends, kg	6500
Maximum pressure, MPa	20
Pump capacity, l/min	55
Hydraulic system capacity, l	35