

BELARUS

1523/1523B

- 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:
 - Reversible control station (1523B)
- 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	<i>in-line diesel with direct injection, turbocharging and intercooler</i>
Model	D-260.1C
Power, kW (hp)	114 (155)
Crankshaft rated speed, rpm	2100
Number of cylinders, pcs.	6
Bore/stroke, mm	110 x 125
Displacement, l	7.12
Maximum torque, N•m	596
Fuel rate at rated power, g/kW•h	220
Factor of torque backup, %	15
Fuel tank capacity, l	250

TRANSMISSION

Clutch	<i>dry, double-disk, spring-loaded</i>
Gearbox	<i>mechanical, synchronized, fixed-ratio</i>
Gear shifting	<i>by synchronized clutches</i>
Number of gears:	
<i>forward/ reverse</i>	16/8
Travel speed, km/h:	
<i>forward/reverse</i>	1.73-32.34/2.7-15.5
Rear PTO:	<i>independent, double-speed, with hydromechanical control system</i>
<i>independent I, rpm</i>	540
<i>independent II, rpm</i>	1000
<i>synchronous, rpm of track</i>	3.3

Differential lock: friction-type, automatic with hydraulic drive, has 3 operation modes (disengaged; automatic engagement (at turn) 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	2850
Tread, mm	
<i>front wheels</i>	1610-2150
<i>rear wheels</i>	1600-2400
Road clearance, mm	380
Min turning radius (without breaking), m	5.5
Weight with front ballast, kg	6000
Tire sizes:	
<i>front wheels</i>	420/70R24
<i>rear wheels</i>	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