

BELARUS

1523.4

- 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 IIIA Stage according to emissions of hazardous substances.
- Optional equipment:
Front PTO
Front hitch
Mechanical, fixed-ratio gearbox (24/12)
Air conditioner
100 liters additional fuel tank
To 1200 kg front ballast

Manufacturer: Republican Unitary Enterprise
«Minsk Tractor Works»



ENGINE

Type	diesel with "Common Rail" electronic injection system and turbocharging	
Model	D-260.1S3A (Minsk Motor Plant)	TCD2012 L06-2V (Deutz)
Power, kW (hp)	116 (158)	118 (161)
Rated speed, rpm	2100	
Number of cylinders, pcs.	6	
Bore/stroke, mm	110 x 125	101 x 126
Displacement, l	7.12	6.057
Maximum torque, N•m	660	730
Fuel rate at rated power, g/kW•h	249	270
Factor of torque backup, %	25	30
Fuel tank capacity, l	250	

TRANSMISSION

Clutch	dry, double-disk, spring-loaded	
Gearbox	mechanical, synchronized, fixed-ratio	
Gears shifting	by synchronized clutches	
Number of gears:		
forward/ reverse	16/8	
Travel speed, km/h:		
forward/reverse	1.73-32.38/2.7-15.5	
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, with 3 operation modes (disengaged; automatic engagement (when turning) and disengagement; forced engaged). Rear axle with close-type bevel gear differential and planetary final drive.

DIMENSIONS AND WEIGHTS

Overall length, mm	4710
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 (without breaking), 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