

BELARUS 510/512



GENERAL CHARACTERISTIC

ENGINE

Model D-244

Power, kW (hp) 42 (57)

TRANSMISSION

Mechanical, with reducing gear that doubles the number of gears

Number of gears: forward/ reverse 9/2 (18/4 on order)

510 (2x4) / 512 (4x4)

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specifications

ENGINE

Type	diesel with direct injection, without turbocharging
Model	D-244
Power, kW (hp)	41.9 (57)
Crankshaft rated speed, rpm	1700
Number of cylinders, pcs.	4
Maximum torque, N•m	271
Fuel use, g/(kW•h)	235
Factor of torque backup, %	15
Fuel tanks capacity, l	130

TRANSMISSION

Clutch	friction, spring-loaded, single-disk
Gearbox	mechanical, with reducing gear that doubles the number of gears
Number of gears:	
forward/reverse	9/2
Travel speed, km/h:	
forward min/max	1.44/26.50
reverse min/max	3.18/7.10
Rear PTO:	
independent, rpm	540
synchronous, rpm of track	3.4

HYDRAULIC HITCH SYSTEM

Versatile, unit-principle with height control; optional - with force and position depth control.

Lifting capacity at lift point, kg	3200
Maximum pressure, MPa	20
Pump capacity, l/min	45
Hydraulic system capacity, l	21

DIMENSIONS AND WEIGHTS

	510	/	512
Overall length, mm	3815		3930
Width, mm	1970		1970
Canopy height, mm	2550		2550
Tractor base, mm	2370		2450
Tread, mm			
front wheels	1350-1850		1350-1850
rear wheels	1400-2100		1400-2100
Agrotechnical clearance, mm	590		590
Min turning radius, m	3,8		4,1
Fordable depth, m	0.85		0.85
Operating weight, kg	3430		3640
Tire sizes (standard):			
front wheels	9.0-20		11.2-20
rear wheels	15.5R38		15,5R38
Wheel arrangement	4x2		4x4

GENERAL INFORMATION

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