

BELARUS 510/512



41.9/57

Power, kW/hp

9/2

Number of gears

3430/3640

Operating weight, kg

0

Stage

BELARUS 510/512



ENGINE

Type	diesel with direct injection, without turbocharging
Model	D-244
Power, kW (hp)	41.9 (57)
Crankshaft rated speed, rpm .	1800
Number of cylinders, pcs.	4
Maximum torque, N·m	271
Fuel use, g/(kW·h)	229,0
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

GENERAL INFORMATION

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

DIMENSIONS AND WEIGHTS

510/512

Overall length, mm	3815/3930
Width, mm	1970
Canopy height, mm	2550
Tractor base, mm	2370/2450
Tread, mm	
front wheels	1400–2000
rear wheels	1400–2100
Agrotechnical clearance, mm	590
Min turning radius, m	3,8
Fordable depth, m	0.85
Operating weight, kg	3430/3640
Tire sizes (standard):	
front wheels	9.0–20/11.2–20

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