

BELARUS

80X/100X



- The tractor is designed for various agricultural operations with mounted, semi-mounted and trailed machines and implements, for integrated mechanization of cotton cultivation and raw cotton harvesting and also agricultural operations in cotton-growing areas.
- Optional equipment:
 - Ceramic-metal clutch pads
 - Speeder
 - Automatic coupling
 - Front axis (4x2)
 - Set of spacer plates for tread 2400 mm

ENGINE

	80X	100X
Diesel	without turbocharging	with turbocharging
Model	D-243	D-245
Number and arrangement of cylinders		4
Displacement, l		4,75
Power (rated), kW (hp)	60 (81)	77 (105)
Crankshaft rated speed, rpm		2200
Rated factor of torque backup, %		15
Maximum torque, N·m	298.0	385.5
Fuel tanks capacity, l		130

TRANSMISSION

Clutch		dry, single-disk
Gearbox		mechanical, 8-stage with 9th gear lock (with reducer, doubling the number of gears)
Number of gears:		
forward		16
reverse		4
Travel speed, km/h:		
forward		1.9–18.4
reverse		4.1–9.2
Rear PTO:		
independent I, rpm (at 2100 rpm crankshaft)		540
independent II, rpm (at 2100 rpm crankshaft)		1000
synchronous, rpm of track		3.4
Side PTOs		
independent, rpm		570
synchronous, rpm of track		1.26

Differential lock: mechanical – cam clutch, locking the final drives half-axle, forced engagement, automatic disengagement.

DIMENSIONS AND WEIGHTS

	80X	100X
Tractor base, mm		2470
Overall dimensions, mm:		
a) length with hitch system in transport state		4040
b) rear tires width		
with 1900 mm tread		2300
with 2400 mm tread		2800
c) cab height		2980
Tread, mm:		1900
Clearance, mm:		
a) agrotechnical under rear wheels hoses		800
b) road		620
Min turning circle radius at min tread with rear internal wheel breaking in the middle of rear external wheel track, m		3.2
Operating weight, kg	3700	3800
Tires (standard):		
front wheels	12-16 or 13.0/75-16	
rear wheels		15.5R38

HYDRAULIC HITCH SYSTEM

Versatile, unit-principle, with hitch mechanical fixing in transport state.

Lifting capacity at lower link ends with cylinder, kg	2800
Max pressure, MPa	20
Pump output, l/min	45
Hydraulic system capacity, l	25