

BELARUS

800/820*



- The tractor is designed for various agricultural operations with mounted, semi-mounted and trailed machines and implements, loading-unloading operations, for operations in plant cultivation, livestock farming and gardening and also for transportation.
- Distinctions:
 - One-piece beam front driving axle with planetary spur reduction gears (820)
- Optional equipment:
 - Rear wheel ballast weights
 - Front ballast weights
 - Combined drawbar hitch
 - Fast-coupling cutoff clutches
 - Hitching flexible pipes
 - Spacers for rear wheels doubling

*Front driving axle

ENGINE

Type	<i>in-line diesel without turbocharging, four-stroke with direct injection</i>
Model	D-243
Power, kW (hp)	59.6 (81)
Crankshaft rated speed, rpm	2200
Number of cylinders, pcs	4
Bore/stroke, mm	110 x 125
Displacement, l	4.75
Maximum torque, N·m	298
Factor of torque backup, %	15
Fuel tanks capacity, l	130

TRANSMISSION

Clutch	<i>dry, single-disk, spring-loaded</i>
Gearbox	<i>9/2, mechanical, fixed-ratio</i>
Reducer	<i>mechanical, doubling the number of gears</i>
Number of gears:	
forward/ reverse	18/4
Travel speed, km/h:	
forward/reverse	1.9–34.3/4.1–9.2
Rear PTO:	
independent I, rpm	540
independent II, rpm	1000
synchronous, rpm of track	3.4

Rear axle differential lock: with hydraulic control, has two modes (forced engaged, disengaged).

DIMENSIONS AND WEIGHTS

Overall length, (without front ballast), mm	4130
Width, mm	1970
Cab height, mm	2800
Tractor base, mm	2450
Tread, mm	
front wheels	1430–1990
rear wheels	1350–2050
Road clearance, mm	465
Min turning radius, m	4.5
Operating weight, kg	4100
Tire sizes (standard):	
front wheels	360/70R24
rear wheels	18.4R34

HYDRAULIC HITCH SYSTEM

Versatile, unit-principle; optional - with draft and position depth control; combined control.

Lifting capacity at lower-link ends, kg	3200
Maximum pressure, MPa	20
Pump flow, l/min	45
Hydraulic system capacity, l	25