

BELARUS

80.1/82.1*

- 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:
 - Front axis (80.1), three parts front driving axle with bevel reduction gears (82.1)
- Optional equipment:
 - Rear wheel ballast weights
 - Front ballast weights
 - Hydraulic system with combined depth control
 - 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)	60 (81)
Crankshaft rated speed, rpm	2200
Number of cylinders, pieces	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

	80.1	82.1*
Overall length (without front ballast), mm	3850	3930
Width, mm		1970
Cab height, mm	2780	2800
Canopy height, mm		2765
Tractor base, mm	2370	2450
Tread, mm		
front wheels	1350–1850	1430–1990
rear wheels		1400–2100
Road clearance, mm		465
Min turning radius, m	3.8	4.1
Operating weight, kg	3770	4000
Tire sizes (standard):		
front wheels	9.0-20	11.2-20
rear wheels		15.5R38

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 capacity, l/min	45
Oil tank capacity of hydraulic system and steering control, l	25