

BELARUS

3022.1/3022DC.1

- The tractor is designed for various agricultural operations of general purposes: general tillage and pre-sowing soil treatment, sowing in combination with wide-cut and combined machinery, harvesting consisting of high efficient harvest complexes, transportation and handling operations.
- Distinctions:
 - Diesel engine complies with Tier II Stage according to emissions of hazardous substances.
 - Hydraulic hitch system with EHS and EHR-5 electrically controlled distributor of front hitch control, set for rear wheels doubling, air conditioner in standard components.
- Optional equipment:
 - Set for front wheels doubling
 - To 1350 kg front ballast
 - Seat with pneumatic springing
 - Hydraulic system with 5 pairs of free outlets



ENGINE

	3022.1	3022DC.1
Type	diesel with turbocharging and aftercooling	
Model	S40E 8.7 LTA M146	BF06M1013FC (DEUTZ)
Rated power, kW (hp)	221 (300)	223 (303)
Crankshaft rated speed, rpm	2200	2300
Number of cylinders, pcs.	6	
Maximum torque, N·m	1457	1300
Fuel rate at operating power, g/kW·h	249	248
Factor of torque backup, %	40	30
Fuel tanks capacity, l	500	

TRANSMISSION

Clutch	dry, double-disk, spring-loaded	
Gearbox	hydromechanical, fixed-ratio	
Gear shifting	electrohydraulic	
Number of gears:		
forward/ reverse	24/12	
	36/24 with reducing gear	
Travel speed, km/h:		
forward/reverse	0.37–40.0 / 0.43–19.39	
Rear PTO:	independent, double-speed, with hydromechanical control system	
independent I, rpm	1000	
independent II, rpm	1450	
max power, kW	186	182.2
Front PTO, rpm	1000	
max power, kW	60	

Differential lock: friction-type, automatic with hydraulic drive, with 3 operation modes (disengaged; automatic engagement and disengagement; forced engaged). Rear axle with close-type bevel gear differential and planetary final drive.

DIMENSIONS AND WEIGHTS

	3022.1	3022DC.1
Length with front and rear hitch in transport state, mm	6100	
Width, mm	2630	
Height, mm	3150	
Wheelbase, mm	2960	3010
Tread, mm		
front wheels	1830 and 1970	
rear wheels	1795-2135	
(dual)	(2395-2735)	
Road clearance, mm		
under front axle	450	
under rear axle	450	
Min turning radius, m	5.5	
Max operating weight, kg	20000	
Operating weight, kg	11500	11500
Tire sizes:		
front wheels	540/65R30	
rear wheels	580/70R42	

HYDRAULIC HITCH SYSTEM

Versatile hydraulic system for implement control, with variable-flow pump, distributor with electronic control and sequence programmability of section engagement/disengagement by means of signals reading from two sensors. With draft, position and combined depth control, 4 pairs of free outlets.

Lifting capacity at rear lower link ends, kg	10000
Lifting capacity at front top link ends, kg	5000
Max pressure, MPa	20
Pump capacity, l/min	0-100
Hydraulic system capacity, l	100