

BELARUS

3022DB/3022DC



- 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.
 - Mechanically controlled hydraulic hitch system, set for rear wheels doubling in standard components, air conditioner, front hitch, front PTO.
- 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

| | 3022DB | 3022DC |
|--------------------------------------|--|---------------------|
| Type | diesel with turbocharging and aftercooling | |
| Model | S40E 8.7 LTA M146 | BF06M1013FC (DEUTZ) |
| Rated power, kW (hp) | 221 (300) | 223 (303) |
| Rated speed, rpm | 2200 | 2300 |
| Number of cylinders, pcs. | 6 | |
| Max crankshaft 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 | fixed-ratio, with constant-mesh gears, gears shifting within the range - by means of hydrocontrolled friction clutches | |
| Number of gears: | 24/12 | |
| forward/reverse | 36/24 with reducing gear | |
| Travel speed, km/h: | | |
| forward/reverse | 0.37–40.0/0.43–19.39 | |
| Rear PTO: | | |
| independent I, rpm | 1000 | |
| independent II, rpm | 1450 | |
| Front PTO, rpm | independent | |
| Shank rated speed, rpm | 1000 | |

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

| | 3022DB | 3022DC |
|-----------------------|-----------------------|--------|
| Overall length, mm | 6100 | |
| Width, mm | 2630 | |
| Height, mm | 3150 | |
| Wheelbase, mm | 2960 | 3010 |
| Tread, mm | | |
| front wheels | 1830 and 1970 | |
| rear wheels (dual) | 1795–2135 (2395–2735) | |
| Road clearance, mm | 450 | |
| Min turning radius, m | 5.5 | |
| Operating weight, kg | 11500 | |
| Tire sizes: | | |
| front wheels | 540/65R30 | |
| rear wheels | 580/70R42 | |

HYDRAULIC HITCH SYSTEM

Versatile hydraulic system for implement tools control with variable-flow pump, with draft, position and combined depth control, 4 pair of free outlets.

| | |
|----------------------------------|-------|
| Maximum pressure, MPa | 20 |
| Pump capacity, l/min | 0-100 |
| Oil tank capacity, l | 90 |
| Rear hitch lifting capacity, kg | 10000 |
| Front hitch lifting capacity, kg | 5000 |