



# RAFVÖRUR ehf véladeild

Dalvegi 16c. 201 Kópavogur Kt:470987-1119

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# BELARUS

## 1221.3

- *D-260.2S2 new 6-cylinder engine , 100 kW*
- *Synchronized gearbox 16/8*
- *Front driving axle with electrohydraulic control and planetary spur reduction gears*
- *Automatic engagement of front driving axle at tractor braking*



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 **BELARUS®**



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## TECHNICAL PARAMETERS

# BELARUS® 1221.3

### ENGINE

Type	in-line, intercooled, turbocharged diesel with direct injection
Model	260.2S2
Power, kW	100
Rated Speed, rpm	2100
Number of Cylinders, pcs.	6
Bore/Stroke, mm	110x125
Displacement, L	7,12
Maximum Torque	
At 1400 rpm, N·m	568
Specific Fuel Consumption	
At Rated Power, g/kW·h	245
Torque Reserve Factor, %	
Fuel Tanks Capacity, L	25
* with additional tank	160 (250)*

### TRANSMISSION

Clutch	dry, double-disk, spring-loaded
Gearbox	mechanical, synchronized, constant mesh
Gear Shifting	by synchronized clutches
Number of Gears:	
Forward/Reverse	16/8 (24x12)
Travel Speeds, km/h:	
Forward/Reverse	1.5-35.0 / 2.75-16.4 (2.0-39.4 / 2.8-18.5)
Rear PTO:	independent, double-speed, with hydromechanical control system
Independent I, rpm	540
Independent II, rpm	1000
Ground-Speed, rev./m of travel	3.95 (tires 18.4R38)

Rear axle differential lock: friction-type, automatic with hydraulic drive, has three operating modes: disengaged; automatic engagement and disengagement; engaged forced. Rear axle with closed-type bevel differential and planetary final drive. Automatic diflock clutch – multi-disk, wet – optional.

### DIMENSIONS & WEIGHT

Overall Length, mm	4500
Width, mm	2300
Height to top of cab, mm	2850
Wheelbase, mm	2760
Tread, mm:	
front wheels	1540-2090
rear wheels	1530-2150
Road Clearance, mm:	480
Minimum Turning Radius, m	5,4
Operating Weight Less Ballast, kg	5370
Tires:	
front	14.9R24
rear	18.4R38

### 3-P.H. HYDRAULIC SYSTEM

Versatile, unit-principle type, with Belarus hydraulic lift providing draft, position and combined control. Rear hitch: category 2 or category 3.

3-P.H. lift capacity	
at lift point, kN	43
Maximum Operating Pressure, kgf/cm <sup>2</sup>	200
Pump Output, L/min	51
Oil tank capacity, L	25

**Brakes:** service and parking mechanical, dry, disk-type; optional multi-disk, wet. Trailer brakes drive pneumatic, double-line locked with tractor brakes control.

**Steering Control:** hydrostatic, with metering pump and two hydraulic cylinders and "GORY" self-contained oil tank (7.5 L).

**Front Driving Axle:** portal type with planetary spur reduction gears, with limited slip differential and double-beat steering knuckles. Friction clutch with electrohydraulic control allows engaging the axle under load and ensures three operating modes: "engaged automatically" (at slip of rear wheels); "engaged constantly"; "disengaged".

**Electric Equipment:** 1150W alternator, 24V starting system with starter and glowing plugs in engine cylinder heads.

**Cab:** safe (ROPS), complies with OECD requirements, with filtering and heating supplied air, with opening side/rear windows and roof hatch, electric wipers for windshield and rear window and windshield washer, with modernized dashboard, with electric tachometer and instrument cluster.

**Standard Components:** front and rear working lights, three pairs of hydraulic outlets and one drain outlet, rear PTO, 3-P.H. of Cat. "2" or Cat. "3", double-line pneumatic drive, lift-type drawbar hitch device.

**Optional:** swinging drawbar, spacers for rear dual wheels, passenger seat, towing device, tires: 16.9R38, drawbar hitch device, crossbar, "Piton" drawbar yoke, draft arm, PTO 2C shaft (8 splines), PTO 2 (21 splines), PTO 1 (6 splines), spacer for rear wheels doubling; wheels with tires 420/70R24; 11.2R28; 11.2R42.

### "MINSK TRACTOR WORKS" INDUSTRIAL UNION

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## BELARUS 1221.3

### Tæknilegar upplýsingar.

#### Mótor

Módel	D- 260.2S2
Tegund	Turbo diesel vél með milli-kæli og beinni innspítingu
Afl - kW	Hö. 130 – kW. 96
Fjöldi strokka	6
Þvermál strokka	110 mm
Slaglengd	125 mm
Hámarksafköst	130 hö.
Snúningshraði	2100 sn/min
Mesta snúningsvægi	544 Nm
Snúningshraði við mesta snúningsvægi mótors.	1400 sn/min
Gangsetning í kulda	Glóðarhitun x 4 st (forhitun)

#### Gírskipting og hraði

Tegund	Samhæfður, 4 svið
Fjöldi gíra	16 áfram og 8 afturábak
Ökuhraði	1,5 – 35,0 km/kl

#### Framhjóladrif og öxull

Framöxull sérhannaður fyrir ámoksturstæki  
Rafstýrð vökvaknúin stýring á framdrifi  
Má tengja undir álagi. 3 stillingar

1. Sjálfvirkt (þegar afturdekk spóla) 2. Sítengt 3. Ótengt.

Tengist sjálfvirkt þegar bremsað er

#### Læsing á afturhjóladrifi

Rafstýrð vökvaknúin stýring, 3 stillingar

1. Ótengd 2. læst 3. Sjálfvirk (þegar dekkinn spóla)

Mismunadrifs kúpling "multi disk" í vökva

#### Vökvakerfi / Dæla

Afköst vökvadælu	51 ltr/min
Þrýstingur kg f/cm <sup>2</sup>	200 bar
Fjöldi vökvaúttaka	3 tvívirkt 1 hlutlaust ( 0 )

#### Sparneytinn

Orkunotkun: g/kWh 245

#### Vökvastýrt beisli

Lyftigetá á beisli	5500 kg
Hæðarstýring á beisli: "draft, position and combined control"	
Þrífengibeisli	ISO Cat III

#### Aflúrtak

Vökvastýrt	6 rifflur
Skiftanlegt	540/1000 r/min

Áskiljum rétt til breytinga án fyrirvara

#### Rafkerfi

12V og 24V á startara og forhitara.	
Rafall	1150 W
Rafgeymar	2 st 88Ah
Startmótor	24V 4.5hk
Særð á startara	6 Kw

#### Gerð tengsla

Þurrkúpling, tveir diskar	
Stærð	340 mm

#### Hemlar

Tegund: Fjöldiska hemlar í olúbaði  
Sjálfvirk tenging við framhjóladrifið

#### Veltistýri

Létt og nákvæmt, "hydrostatik", 7,5 ltr sér olú kútur  
2 tjakkar.

#### Þyngd og mál

Þyngd	5370 kg (án þyngdarklossa)
Breidd	2.30 m
Lengd	4.50 m
Hæð	2.85 m

#### Byggður á grind

#### Vökvakerfi

Olútankur	150 l
Kælikerfið	19. l
Mótorolía	15. l
Vökvakerfi	25. l

#### Dekk

Að framan	14.9R24
Að aftan	18,4R38

#### Annar búnaður

3 Stýripinnar á hverja vökvasneið

Vinnuljós 4st framan og 2st aftan

Útðrganlegir baksýnispeglar

Afturrúðu þurrka, Loft úttak

Baksýnispeggill inni í ökumannshúsi

Grammer vandað ökumannssæti [www.grammer.de/en/](http://www.grammer.de/en/)

Þyngdarklossar framan 450 kg, aftan 80 kg (4x20 kg)

Bretti á framdekkjum

Pioneer útvarp með geislaspilara

#### Hús

Þægilegt, öryggi samkvæmt OECD staðli með loft síu og  
Upphitun. Topplúga. Farþegasæti