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MANUAL PREVIEW

Belarus

Operator's Manual

400A, 400AN

420A & 420AN

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Operator's Manual

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BE-O-400A+

Make: Belarus	Model: 400A	Years Made: 1978-1997
HP-PTO: 51	HP-Engine: 57	HP-Drawbar:
HP-Range: 51	Engine-Make: BELARUS	Engine-Fuel: DIESEL/NAT
Engine-Cyl(s)-CID: 4/253.2	Transmission-STD: SG	Optional:
Fwd/Rev Standard: 11/6	Fwd/Rev Optional:	Mfwd-Std/Opt:
Tires-Std Front: 6.5-16	Tires-Std Rear: 13.6-38	Wheelbase-Inch: 84.6
Pto Type: IND	Pto Speed: 540	CAT I-3pt Hitch: False
CAT II-3pt Hitch: True	CAT III-3pt Hitch: False	Hitch Lift: 2992
Hydraulics-Type: OPEN	Hyd-Cap: 4.1	Hyd-Flow: 11.9
Hyd Std Outlets: 2	Cooling Capacity: AIR COOLED	Fuel Tank Capacity: 19.5
Cab-Std A/C; Rops: ROPS STD	Weight: 6535	New Price: 12105

Make: Belarus	Model: 400AN	Years Made: 1977-1997
HP-PTO: 51	HP-Engine: 57	HP-Drawbar:
HP-Range: 51	Engine-Make: BELARUS	Engine-Fuel: DIESEL/NAT
Engine-Cyl(s)-CID: 4/253.2	Transmission-STD: SG	Optional:
Fwd/Rev Standard: 11/6	Fwd/Rev Optional:	Mfwd-Std/Opt:
Tires-Std Front: 6.5-16	Tires-Std Rear: 14.9-30	Wheelbase-Inch: 84.6
Pto Type: IND	Pto Speed: 540	CAT I-3pt Hitch: False
CAT II-3pt Hitch: True	CAT III-3pt Hitch: False	Hitch Lift: 2992
Hydraulics-Type: OPEN	Hyd-Cap: 4.1	Hyd-Flow: 11.9
Hyd Std Outlets: 2	Cooling Capacity: AIR COOLED	Fuel Tank Capacity: 19.5
Cab-Std A/C; Rops: ROPS STD	Weight: 6535	New Price: 12455

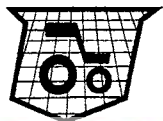
Make: Belarus	Model: 420A	Years Made: 1976-1997
HP-PTO: 50	HP-Engine: 57	HP-Drawbar:
HP-Range: 50	Engine-Make: BELARUS	Engine-Fuel: DIESEL/NAT
Engine-Cyl(s)-CID: 4/253.2	Transmission-STD: SG	Optional:
Fwd/Rev Standard: 11/6	Fwd/Rev Optional:	Mfwd-Std/Opt: STD
Tires-Std Front: 8.00-20	Tires-Std Rear: 13.6-38	Wheelbase-Inch: 88.6
Pto Type: IND	Pto Speed: 540	CAT I-3pt Hitch: False
CAT II-3pt Hitch: True	CAT III-3pt Hitch: False	Hitch Lift: 2992
Hydraulics-Type: OPEN	Hyd-Cap: 4.1	Hyd-Flow: 11.9
Hyd Std Outlets: 2	Cooling Capacity: AIR COOLED	Fuel Tank Capacity: 19.5
Cab-Std A/C; Rops: ROPS STD	Weight: 7225	New Price: 13780

Make: Belarus	Model: 420AN	Years Made: 1976-1997
HP-PTO: 50	HP-Engine: 57	HP-Drawbar:
HP-Range: 50	Engine-Make: BELARUS	Engine-Fuel: DIESEL/NAT
Engine-Cyl(s)-CID: 4/253.2	Transmission-STD: SG	Optional:
Fwd/Rev Standard: 11/6	Fwd/Rev Optional:	Mfwd-Std/Opt: STD
Tires-Std Front: 8/20	Tires-Std Rear: 14.9-30	Wheelbase-Inch: 88.6
Pto Type: IND	Pto Speed: 540	CAT I-3pt Hitch: False
CAT II-3pt Hitch: True	CAT III-3pt Hitch: False	Hitch Lift: 2992
Hydraulics-Type: OPEN	Hyd-Cap: 4.1	Hyd-Flow: 11.9
Hyd Std Outlets: 2	Cooling Capacity: AIR COOLED	Fuel Tank Capacity: 19.5
Cab-Std A/C; Rops: ROPS STD	Weight: 7225	New Price: 14325

400A & 400AN		
Year	Beginning Serial Number	
1980	140354	
1981	149519	
1983	196726	
1984	197801	
1985	225645	
1985	224653	
1986	248421	
1986	264552	
1987	271787	
1988	299160	
1988	305865	
1989	309767	
1989	310331	

420A & 420AN		
1979		165534
1980		167495
1981		213804
1983		273449
1984		276391
1985		304013
1985		304164
1986		327204
1986		306891
1987		257102
1987		373969
1988		389751
1988		393198
1989		400329
1989		399528

Paint Codes		
Location		MFG Color Name
HOOD, TRIM AND WHEELS		ACCREAM
MAIN BODY OF TRACTOR		VERSATILERED



BELARUS TRACTOR INTERNATIONAL

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MANUAL PREVIEW

Model 400 A/AN Tractor

Model 420 A/AN Tractor

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DO NOT use or operate this tractor until this manual has been read and is fully understood.

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General Specifications

Model 400AN, 420AN



Approximate Measurements and Weights

Shipping Weight:

6,160 lb (2,790 Kg) Model 400A/AN
6,620 lb (2,999 kg) Model 420A/AN

NOTE: Shipping weight is based on tractor equipped with the most common standard equipment, ROPS, front weights, minimum fuel and no operator.

Maximum Recommended Operating Weight:

Model 400A/AN - 7,200 lb (3262 kg)
Model 420A/AN - 9,000 lb (4077 kg)

IMPORTANT: The maximum recommended operating weight includes the tractor, tractor equipment and ballast. **Do not** exceed the maximum recommended operating weight.

Measurements shown are for standard ground clearance wheel settings.

Total Length (to end of hitch links):

144.0 inch (3,660 mm) Model 400A/AN
151.3 inch (3,845 mm) Model 420A/AN

Total Width:

67.2 inch (1725 mm) at 53.6 in. (1375 mm) treadsetting
85.4 inch (2190 mm) at 71.7 inch (1840 mm) treadsetting
86.2 inch (2210 mm) at 71.9 inch (1845 mm) treadsetting

Turning Diameter

(Concrete surface, brake applied)

Right Turn: 354 inches (8.99 m)

Left Turn: 342 inches (8.69 m)

Front Axle Ground Clearance

Model 400A/AN: Adjustable, 19.5 inch (500 mm) or 25.4 inch (650 mm)

Model 420A/AN: Non-adjustable, 21.0 inch (540 mm) and 19.9 inch (510 mm)

- A. 91 in. (231 cm)
- B. 148 in. (376 cm)
- C. 60 in. (152.4 cm)
- D. 15.5 in. (39.4 cm)

- E. 102 in. (259 cm)
- F. 142 in. (360.7 cm)
- G. 9.5 in. (24 cm)
- H. 14.5 in. (36.8 cm)

Engine Throttle Hand Lever

The throttle lever is used to control engine speed and to shut down the engine. To increase engine speed, move the lever down. To decrease engine speed, move the lever upwards. Move the lever full upwards to shutdown the engine.



Figure 21: Engine Throttle Lever

Foot Operated Throttle

The foot throttle and hand throttle are connected together. When the foot throttle is pushed down it will override the hand throttle setting to increase engine speed. When the foot throttle is released, the engine speed will slow to that set by the hand throttle.



Figure 22: Engine Accelerator Pedal

Differential Lock Pedal

The tractor is equipped with a differential lock that will make both rear wheels turn at the same speed. The differential lock prevents loss of power when one wheel does not have traction but the opposite wheel does. The differential lock also aids in straight line steering for row crop planting and to control implement overlap. See Operating Instructions for more information.



Figure 23: Differential Lock Pedal

Electrical Circuit Fuses

Three electrical fuse boxes are located on the front side of the instrument panel. Each fuse box contains four fuses for protection of the various electrical circuits. The left hand fuse box protects the horn, turn signals, stop light and rear work light circuits. The middle fuse box protects headlight high beam, instrument panel, and generator circuits. The right hand fuse box protects the headlight low beam and clearance light circuits.



Figure 24: Electrical Fuse Boxes

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