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Всесоюзное Объединение
"ТЕХНОПРОМИМПОРТ"

Export and Imports

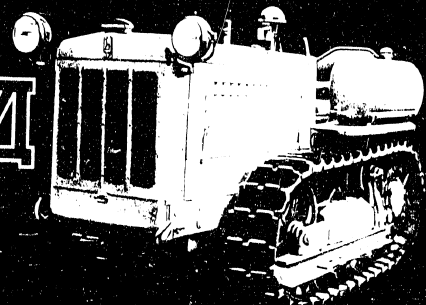
Automobiles, motor-bicycles, tractors and spare parts for same.
Agricultural machines and implements.
Road-busines equipment.
Telephones, city stations and equipment.
Radio receivers and electronic instruments.
Electrical measuring instruments.
Instruments and apparatus for hydrometeorological stations.
Temperature control and measuring instruments, pressure
control instruments, gas and fluid flow meters.

VSESOJUZNOJE OBJEDINENIJE
TECHNOPROMIMPORT
MOSKVA



ВСЕСОЮЗНОЕ ОБЪЕДИНЕНИЕ
ТЕХНОПРОМИМПОРТ

КД 35



TRACTOR

КД-35

The Kirovets D-35 belongs to the medium class caterpillar tractors of the latest design.

The efficiency, reliability and long life of the engine, the provision of a pulley and power take-off, roadability of the tractor, ease and convenience of control ensure high performance and make the Kirovets D-35 a general purpose tractor defying all competition in its versatility.

SPECIFICATIONS

GENERAL DATA. Type - Caterpillar Tractor. Weight of Tractor - 3,700 kg. Overall Dimensions: Length - 3,040 mm. Width - 1,430 mm. Height (including Driver's Cab) - 2,210 mm. Height to Radiator Top - 1,420 mm. Track - 1,090 mm. Clearance - 275 mm.

ENGINE. Four-Cycle Four-Cylinder Engine. Power - 37 H.P. Crankshaft Speed - 1,400 R.P.M. Cylinder Arrangement - Vertical. Bore - 100 mm. Stroke - 130 mm. Compression Ratio - 17. Firing Order: 1-3-4-2.

Lubrication System - Combined Forced Circulation and Splash Lubrication. The Diesel Engine is provided with an Air Heater.

STARTING ENGINE. Two-Cycle Single Cylinder Carburettor Type. Power 8.5 H.P. at 3,500 R.P.M. Bore - 72 mm. Stroke - 85 mm. Compression Ratio - 6.2.

The Starting Engine is mounted on a bracket of the Diesel Engine Flywheel Case.

TRANSMISSION. Clutch-Dry Disc Single Plate Type. Transmission - three-way and a direct drive with 5 forward speeds and 1 reverse speed.

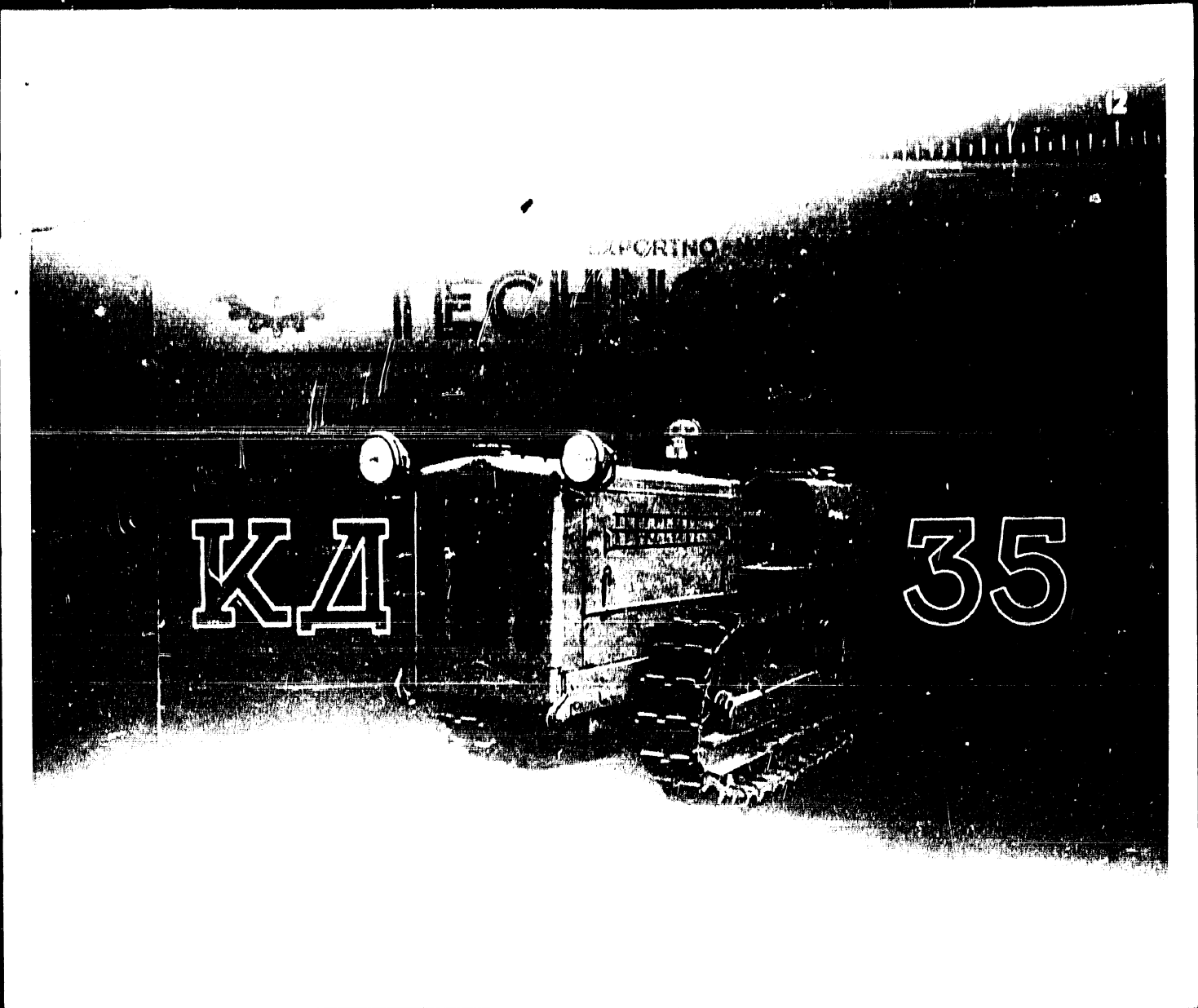
Road speed: First Gear - 3.81, Second Gear - 4.65, Third Gear - 5.22, Fourth Gear - 6.13, Fifth Gear - 9.11 km/hr. Reverse Speed - 3.34 km/hr.

CATERPILLAR. Type of Track - Cast with Cam Adhesion. Number of Shoes on one Side - 31. Track Pitch - 173 mm. Track Width - 280 mm.

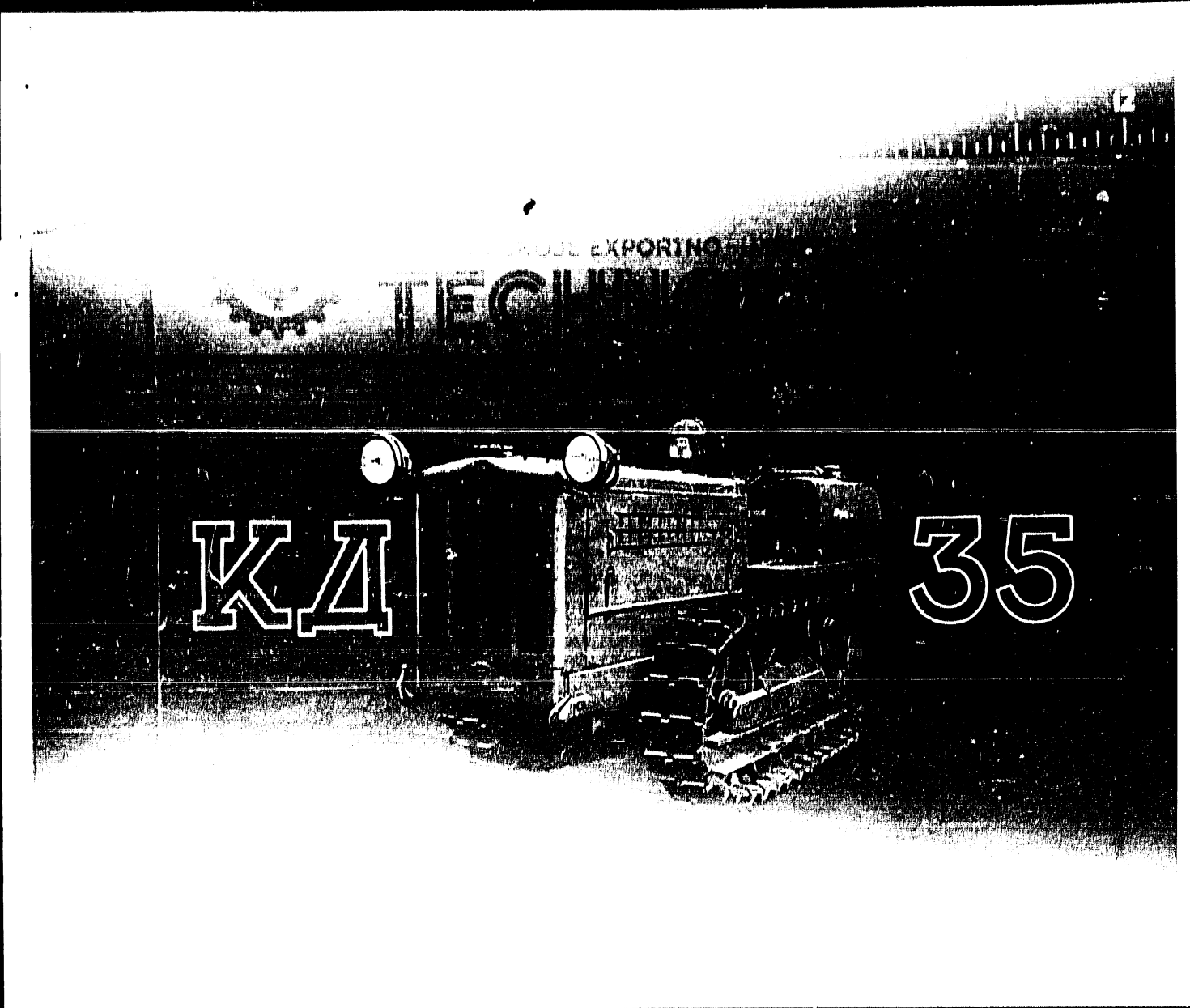
ELECTRIC LIGHTING. 65-Watt 6-Volt Type GBT-4541 Generator, with Friction Clutch, allowing the Generator to be disconnected easily. 2 Head Lamps and 1 Tail Lamp.

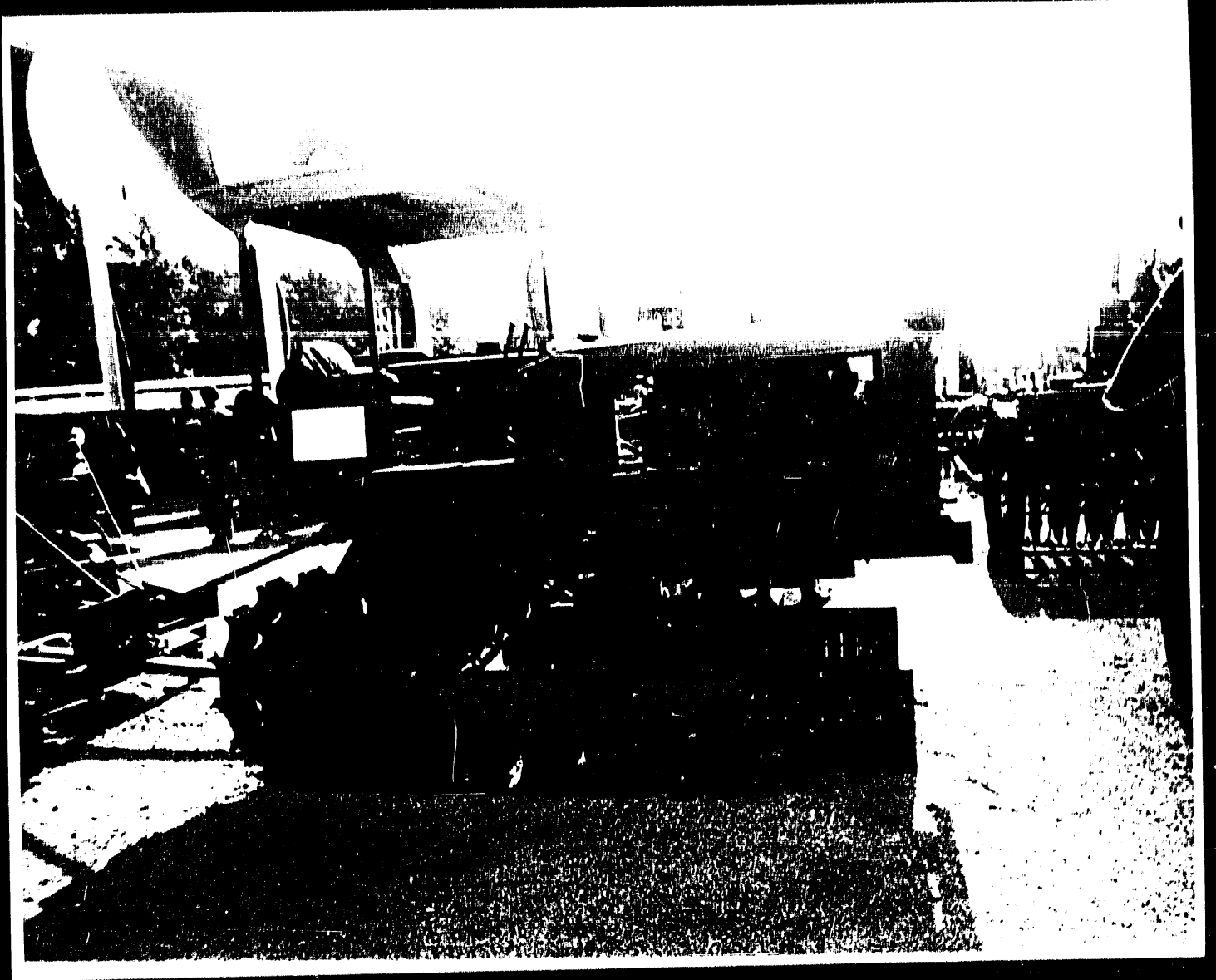
FUEL. For Main Engine - Diesel Fuel Oil (Summer and Winter Grade). For Starting Engine - Petrol (Gasoline). Tank Capacities: for Fuel Oil - 97 litres, for Petrol - 3 litres.

AUXILIARY EQUIPMENT. Drive for Power Take-Off from Intermediate Transmission Shaft. Speed of Power Take-Off Shaft - 544 R.P.M. Pulley Diameter - 360 mm. Width - 200 mm. Speed of Pulley - 695 R.P.M.

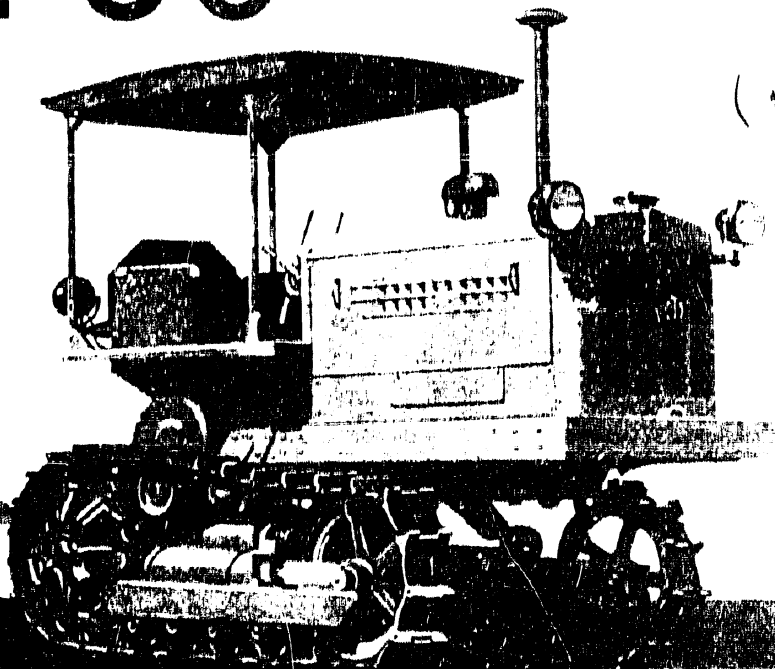


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КДП-35



ВСЕСОЮЗНОЕ
ОБЪЕДИНЕНИЕ

ТЕХНОПРОМИМПОРТ

СССР * МОСКВА

КДП 35

SPECIFIC

General data:

Caterpillar cultivating type tractor
Weight of tractor: 4100 kg
Trackbase: 1340 mm
Clearance: 640 mm
Dimensions of tractor: height 2755 mm, width 1700 mm,
length 3100 mm

Engine:

Compressorless 4-cycle Diesel
Rated output: 37 H.P.
Rated speed of crankshaft: 1400 R.P.M.
Fuel: Diesel Oil
Fuel consumption at rated output: 220 g per H.P. hour
Starting by means of petrol (gasoline) engine and compression
release

Transmission:

Clutch: dry single plate, not normally engaged
5 speeds forward and 1 reverse, 3-way transmission with 1 direct
drive speed
Rear axle transmission by means of bevel gears

The КДП 35 Caterpillar Cultivating Tractor equipped with a 4-cycle compressorless Diesel engine is designed for the preparation of seed beds, for sowing, interrow cultivation and harvesting of sugar beet, cotton and other row crops.

The caterpillar system together with the 5-speed transmission permit using the tractor throughout the whole season ensuring high efficiency and good roadability under various conditions of soil and climate with a high range of tractive efforts.

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Transmission:

Turning mechanism: steering clutches and steering brakes
Steering clutch transmissions — double stage reduction with spur gear wheels
Tractor speeds (calculated): 1st speed 3.81 km/hour, 2nd speed 4.65 km/hour, 3rd speed 5.22 km/hour, 4th speed 6.13 km/hour, 5th speed 9.11 km/hour, reverse 3.54 km/hour
Tractive effort from 550 to 1750 kg
Drawbar Horsepower: 24

Propelling system:

Suspension: semi-elastic with transverse balance
Springs: plate, not-cut
Caterpillar carriages: welded construction
8 track supporting rollers, 4 per carriage
2 track carrier rollers, one on each side of tractor
Tension mechanisms: elastic with wound springs
Caterpillar tracks with spade lugs
Cast caterpillar links 200 mm wide

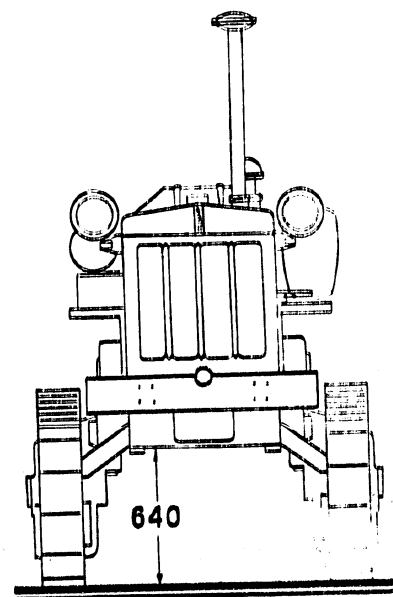
Hitching gear:

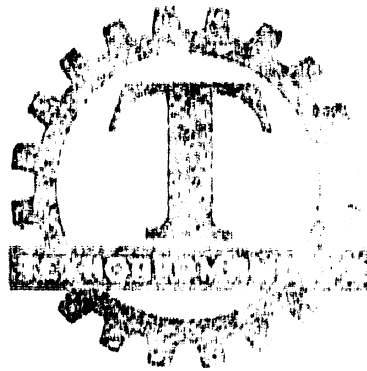
Rear, rigid

Cross section overall dimensions of the tractor as well as its high clearance ensure high quality cultivation of tall row crops without damage to the plants.

The tractor operates in conjunction with various trailing and hanging implements: ploughs, cultivators, drill sowers, sugar beet combines and others.

The tractor is also available with power take-off and caterpillar having 280 mm links instead of narrow links.

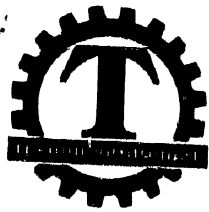




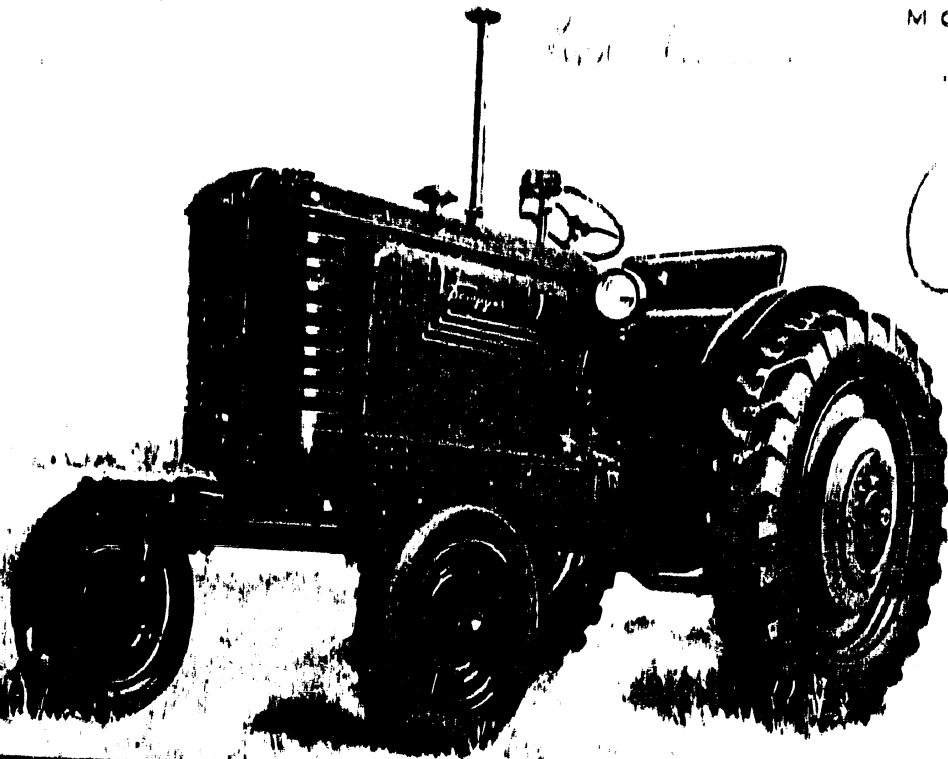
Vishitongad, Order No 37

REPORT

B:



ВСЕСОЮЗНОЕ ОБЪЕДИНЕНИЕ
ТЕХНОПРОМИМПОРТ
СССР МОСКВА

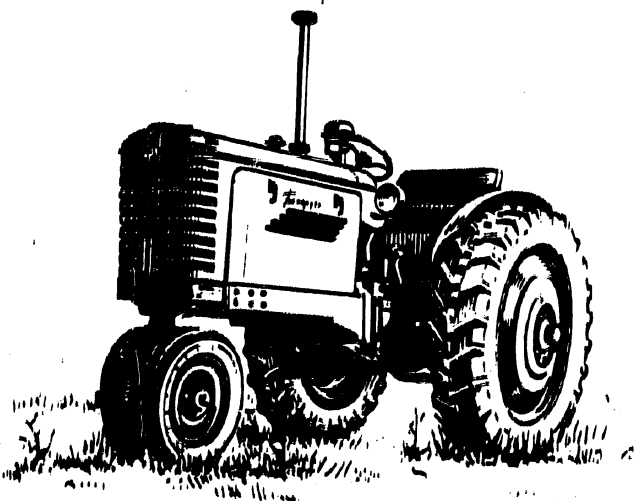


TRACTORS MT3-1 AND MT3-2 "BIELORUSS"

The MT3 universal wheel tractors are fitted with a highly economical high compression 4-cycle compressorless engine and are used for various cultivating operations of grain and technical crops; they are capable of operating with various trailing and hanging agricultural machines.

They are available in two types: MT3-1 and MT3-2. On the former the distance between the front wheels is reduced.

The tractors are fitted with pneumatic tyres ensuring efficient adhesion and low losses on self-propelling. The tread is adjustable.



SPECIFI

General data:

Agricultural universal type tractor.

Weight of tractor { MT3-1 - 3150 kg
MT3-2 - 3250 kg

Tread, MT3-1 tractor: front wheels
190 mm rear wheels, adjustable from
1200 to 1800 mm.

MT3-2 tractor: front and rear wheels,
adjustable from 1200 to 1800 mm.

Clearance, MT3-1 tractor 640 mm
MT3-2 tractor 440 mm

Dimensions of tractor:

Height - 2400 mm, width - 1085 mm.

length, MT3-1 tractor 3720 mm

MT3-2 tractor 3660 mm

Engine:

Compressorless 4-cycle Diesel.

Rated output 37 H. P.

Rated crankshaft speed 1400 R. P. M.

Fuel: Diesel Oil

Fuel consumption at rated output -
220 g per H. P. hour Starting by
means of petrol (gasoline) engine and
compression release.

Transmission:

Clutch - dry single plate, normally

CATIONS

engaged. 5 - speed forward and 1 reverse 3 - way transmission.

Steering transmission - spur wheels.
Control by turning front wheels and by brakes.

Tractor speeds (calculated)

1st speed: 4.56, 2nd speed: 5.61, 3rd speed: 6.44, 4th speed: 7.38, 5th speed: 12.95 km/hour;
reverse: 3.42 km/hour.

Tractive effort from 450 to 1400 kg.
Drawbar Horsepower on 2nd speed: 24 H. P.

Wheels:

with low pressure pneumatic tyres.
Tyre sizes: front-5.50-16" rear-11.00-38" or 8.25 - 40"
Four wheels, of which 2 rear wheels driving.

Hitch equipment:

swinging type.
The tractor is fitted with a device for operation with hanging implements and with hydraulic control for same.

The 5-speed transmission allows efficient loading of the tractor at various farming operations, also its use for hauling.

The tractors are fitted with power take-offs, driving pulleys for stationary operation, hitch equipment for trailing and hanging implements, also with hydraulic mechanisms for the control of hanging implements.

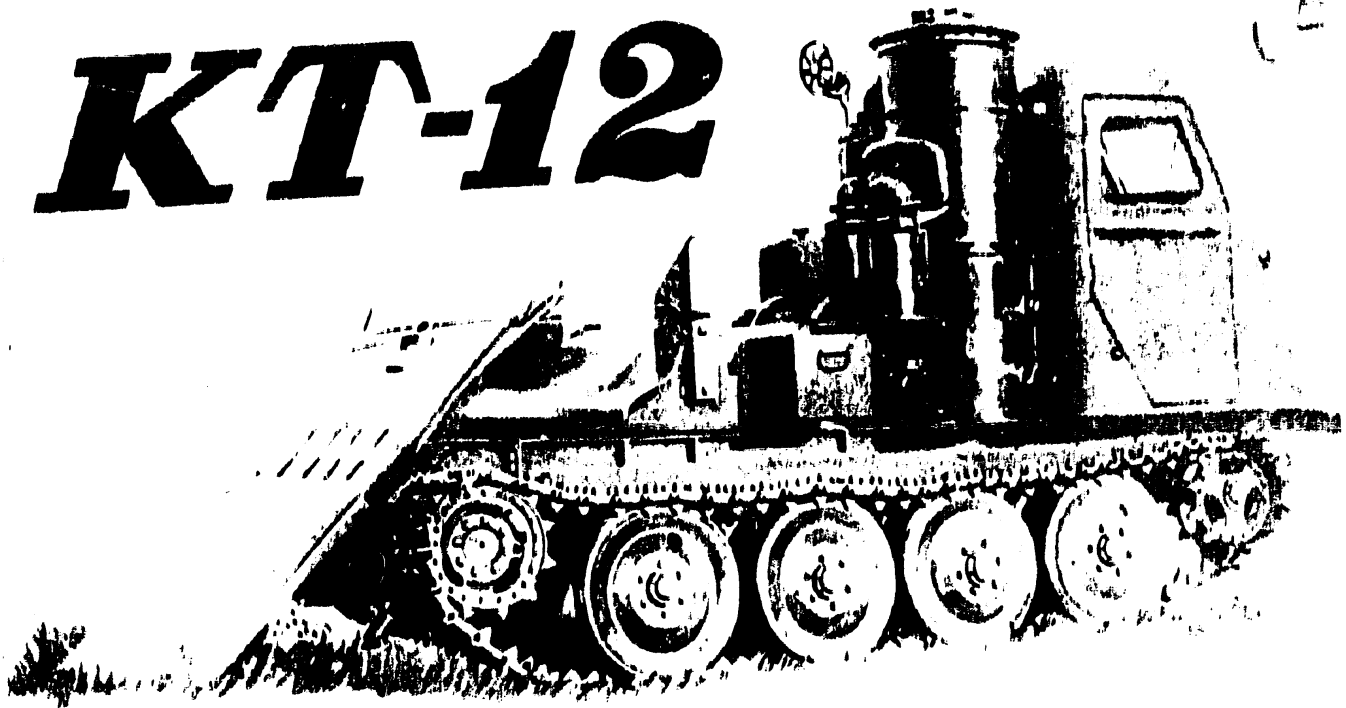
The tractors are also available fitted with metal wheels, instead of pneumatic-tyred wheels.





C:

KT-12



S P E C I F I C A T I O N S

General data. Logger type caterpillar tractor. Weight of tractor in running order 5800 kg. Overall dimensions, in mm: length 4505, width 1900, height 2415. Distance between track centres 1480 mm. Clearance 540 mm. Tractive effort on hook 3100 kg. Adhesion 0.394 kg/cm².

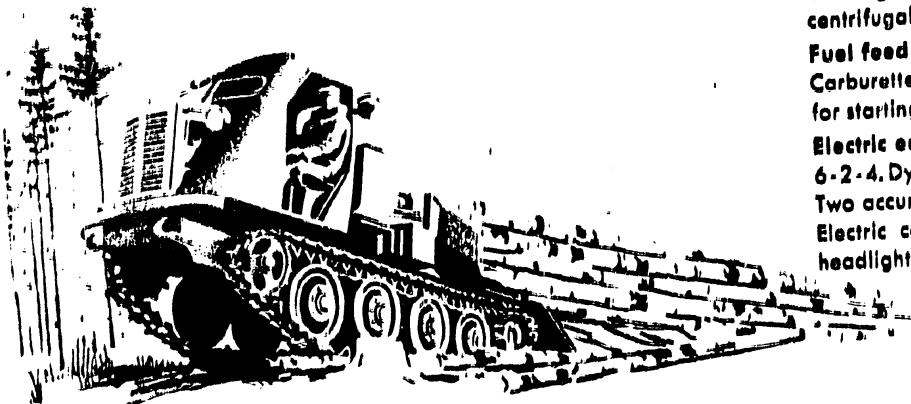
Engine. Four-stroke gas-producer type. Cylinders 6. Bore 101.6 mm. Stroke 114.3 mm. Piston displacement 5.55 litres. Compression ratio 7.0 : 1. Maximum power 45 h. p. at 2300 r. p. m. Engine started by a starter.

Lubrication system. By means of a gear pump. Lubrication system filling capacity 7.0 litres.

Cooling system. Forced water circulation by means of a centrifugal pump. Tubular type radiator.

Fuel feed system. Mixer, ejector type. Oil type air filter. Carburettor, type K-12. Capacity of petrol (gasoline) tank for starting 7 litres.

Electric equipment. Battery ignition. Firing order 1-5-3-6-2-4. Dynamo FA3-08 with relay-regulator, output 190 W. Two accumulator batteries 6 V, capacity 112 Ampere-hours. Electric connections -- one wire system. Lighting -- two headlights and a projector.



S P E C I F I C A T I O N S

General data. Logger type caterpillar tractor. Weight of tractor in running order 5800 kg. Overall dimensions, in mm: length 4505, width 1900, height 2415. Distance between track centres 1480 mm. Clearance 540 mm. Tractive effort on hook 3100 kg. Adhesion 0.394 kg/cm².

Engine. Four-stroke gas-producer type. Cylinders 6. Bore 101.6 mm. Stroke 114.3 mm. Piston displacement 5.55 litres. Compression ratio 7.0 : 1. Maximum power 45 h. p. at 2300 r.p.m. Engine started by a starter.

Lubrication system. By means of a gear pump. Lubrication system filling capacity 7.0 litres.

Cooling system. Forced water circulation by means of a centrifugal pump. Tubular type radiator.

Fuel feed system. Mixer, ejector type. Oil type air filter. Carburettor, type K-12. Capacity of petrol (gasoline) tank for starting 7 litres.

Electric equipment. Battery ignition. Firing order 1-5-3-6-2-4. Dynamo ГА3-08 with relay-regulator, output 190 W. Two accumulator batteries 6 V, capacity 112 Ampere-hours. Electric connections — one wire system. Lighting — two headlights and a projector.



The KT-12 Logger is a medium type caterpillar tractor of modern design. The economical, rugged and reliable engine and gas producer, the adaptability of the Logger to severe ground conditions, its manoeuvrability, easy and convenient steering, also the provision of a winch with steel rope render the KT-12 Tractor highly efficient and unexcelled for logging.

Gas producer. Reverse gasification process type. Gasification chamber diameter 340 mm. Neck diameter 150 mm. Air port 1. Air holes 10. Air hole diameter 10 mm. Total area of air holes 7.85 cm². Distance from plane of air holes to neck 110 mm. Fire grate = fixed, demountable, in three sections. Bunker capacity 0.20 m³. Neck diameter of loading hatchway 336 mm. Height of gas producer 1660 mm. Weight of gas producer not including fuel 217 kg. Coarse cleaner, type „Cyclone“. Number of coarse cleaners 2. Cooler type = radiator. Cooling surface 3.85 m². Fine cleaner = double section type with Raschig rings. Volume of Raschig rings in cleaner 57.5 litres.

Clutch. Dry, twin-disc type.

Speed-change gearbox. Five forward speeds and one reverse.

Gear ratios:

First	3.714 : 1
Second	1.87 : 1
Third	1.20 : 1
Fourth	0.833 : 1 (overdrive)
Fifth	0.609 : 1 (overdrive)
Reverse	2.708 : 1

Main transmission. Bevel gears with straight teeth. Gear ratio 4 : 1.

Side clutches. Dry, multi-disc type.

Side transmission. Spur gears with straight teeth. Gear ratio 5.2 : 1.

Brakes. Hand-brakes = band type, floating. Arranged on the outer drum of side clutch.

Tractor suspension. On four quarter-leaf springs.

Drive gears. Cast, with two tooth rims. Number of teeth 12. Pitch circle diameter 470 mm. Gears arranged at the rear.

Idler wheels. Cast, with plain rim. Outside diameter 470 mm. Arranged at the front.

Track rollers. Pressed steel. Four on each side. Outside diameter 650 mm.

Track. Cast, adhesion lugs. Number of shoes per track 69; track pitch 120 mm. Width of track 340 mm. Track shoes linked by means of floating pins.

Winch. Single hauling, reversing. Chain driven from speed-change gearbox. Effort on winch 3500 kg. Capacity of winch drum: 70 m of 15 mm diameter steel rope. The winch is hand operated by means of levers in the driver's cab. The winch is fitted with a band brake.

Loading platform. Flat type, in two parts, welded.

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D.



VSESOJUZNOJE OBJEDINENIJE

TECHNOPROMIMPORT

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C A T I O N

Transmission. Clutch: single plate dry type. Mechanical 5-stage gear box with interlocking of change-over mechanism. Five forward speeds and 1 reverse. Speed in km/hour: on first gear 3.59; on second gear 4.65; on third gear 5.43; on fourth gear 6.28; on fifth gear 7.9. Reverse speed 2.4 km/hour. Traction-effort on hook: on first gear 2850 kg; on second gear 2100 kg; on third gear 1750 kg; on fourth gear 1450 kg; on fifth gear 1000 kg.

Caterpillar driving mechanism. Cast-iron track shoe with grouser ground grip. Each caterpillar contains 41 tracks. Caterpillar tension gear fitted with spring damper. Caged driving wheels. Balanced type track suspension on coiled springs.

Electrical equipment. Generator: 60 watt, 6 volt. Single wire system. Two headlights and one tail light.

Fuel. Diesel tractor fuel (summer and winter grades) for main engine. Fuel for starting engine: mixture consisting of 94-93% gasoline and 6-7% Diesel fuel oil. Capacity of fuel tanks: for Diesel oil 185 litres, for gasoline 8.5 litres. Fuel consumption of main engine 220 grams H. P./hour.

— D T S 4 —

S P E C I F I

General data. Caterpillar tractor. Weight of tractor in running order 5400 kg. Wheel base (distance between centers of outside bearing rollers) 1622 mm. Specific pressure on ground 0.41 kg/cm². Track 1435 mm. Road clearance 290 mm. Overall dimensions: length 3660 mm, width 1865 mm, height with cab 2300 mm.

Engine. Four-cylinder four-cycle Diesel engine with swirl chamber. Engine power 54 H. P. at 1300 R. P. M. Cylinders arranged vertically. Bore 125 mm. Stroke 152 mm. Compression ratio 16:1. Piston displacement 7.45. Fuel order 1-3-4-2. Forced cooling water circulation system. Combined pressure and splash lubrication.

Starting engine. Single cylinder two-stroke petrol engine with two stage gear reducer and starting mechanism. Engine power 10 H. P. at 3500 R. P. M. Bore 72 mm. Stroke 85 mm. Compression ratio 6.2:1. Cooling combined with Diesel engine cooling system. The disconnecting mechanism is arranged with automatic centrifugal disengagement of gear wheel.

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TECHNOPROMIMPORT

EXPORTS AND IMPORTS:

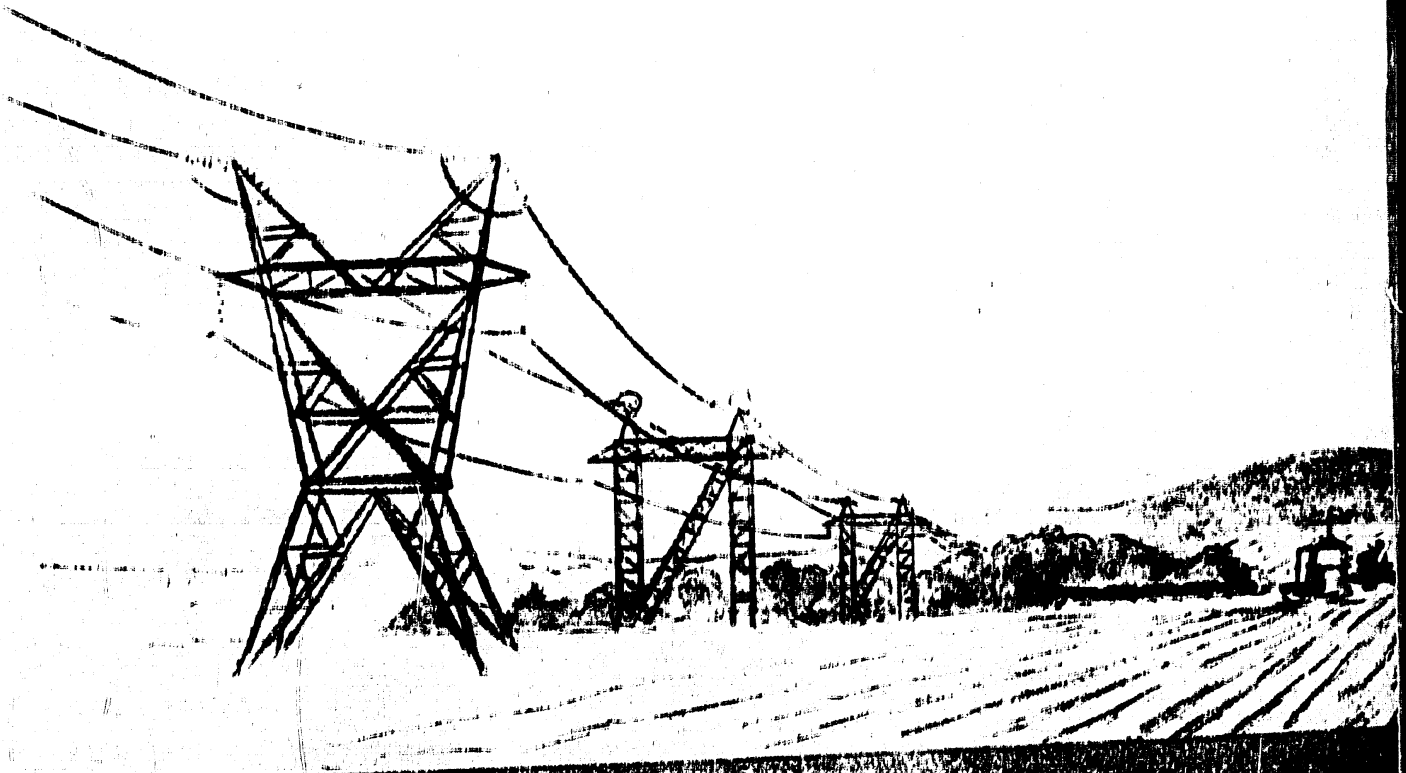
Automobiles, motor-cycles, tractors and spare parts for same
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VSESOJUZNOJE OBJEDINENIJE
TECHNOPROMIMPORT

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MERKMALE

Transmission. Kupplungsmuffe — Einscheibentröckenkupplung. Anzahl der Gänge:

vorwärts — 3, rückwärts — 1. Leistungen und Zugkraft: am Haken bei mittel-schwerem Boden:

	Y-1	Y-2	Y-3	Y-4
im 1. Gang Geschwindigkeit km std	3,86	3,86	3,86	4,0
Zugkraft am Haken kg	800	800	800	
im 2. Gang Geschwindigkeit km std	5,44	5,14	5,4	5,6
Zugkraft am Haken kg	500	500	500	
im 3. Gang Geschwindigkeit km std	8,05	8,05	8,05	8,42
Zugkraft am Haken kg	300	300	300	
im Rückwärtsgang Geschwindigkeit km std	4,82	4,82	4,82	5,05

Kraftstoff. Wichtigster Kraftstoff — Petroleum. Anlaßkraftstoff — Benzin. Fassungsvermögen des Kraftstoffbehälters in Litern für Petroleum — 70, für Benzin — 3.

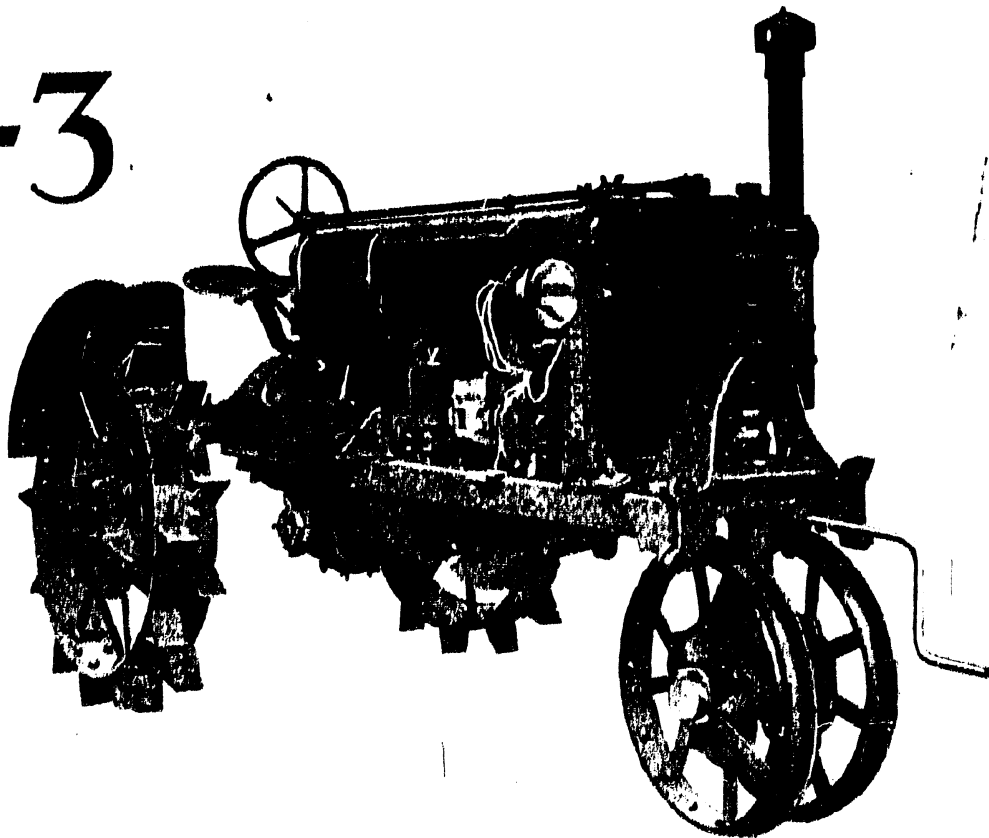
Elektroausrüstung. Hochspannungsmagnetzündung. Kerzen — 18 mm. Beleuchtung erfolgt durch Lichtmaschine.

Zusatz-ausrüstung. Zapfwellenantrieb mit 536 Umdrehungen in der Minute. Riemenscheibenantrieb an rechter Seite des Schleppers mit 360 mm Durchmesser und 699 Umdrehungen in der Minute. Mechanische Zug- und Anbauvorrichtung für Landwirtschaftsmaschinen und Geräte zu den Schleppern Y-1, Y-3 und Y-4. Hydraulische Hebevorrichtung für den Schlepper Y-2.

und unentbehrlich in der Landwirtschaft. Die große Bodenfähigkeit gewährleistet den Einsatz des Traktors überall, wo er Anwendung finden, wodurch er konkurrenzlos dasteht.

Wneschtorginstad. Auftrag Nr. 443

Y-3



TECHNISCHE

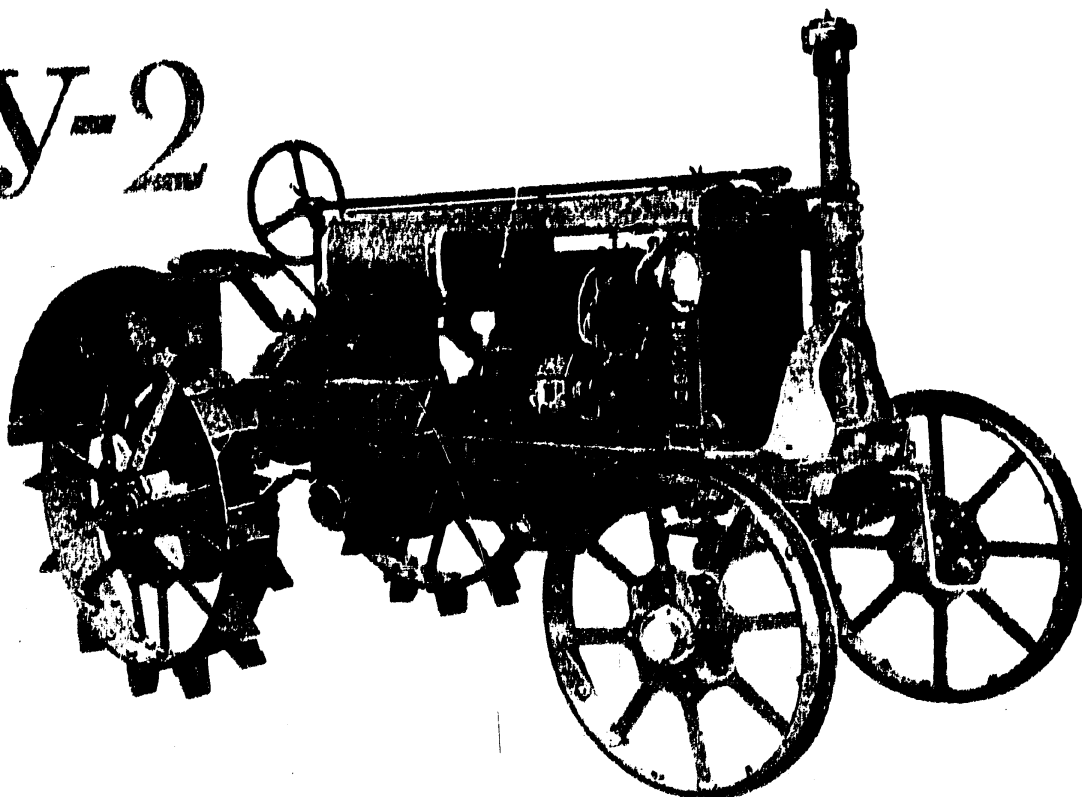
Wichtigste Angaben Arkerbauwagenschlepper.

	Modelle:	Y-1	Y-2	Y-3	Y-4
Ausmaße: Länge	mm	3405	3405	3405	3165
Breite	mm	1800	1645	1590	1812
Höhe	mm	2014	1969	2014	2430
Gewicht des betriebsfertigen Schleppers	kg	2050	2065	2040	2000
Radstand	mm	2170	2108	2170	2170
Spurweite hinten	mm	1500	1340	1340	1430
Spurweite vorne	mm	218	1390	218	
Geringste Bodenfreiheit					
der Hinterachsen	mm	720	720	720	800
der Vorderachsen	mm		480		
des Getriebsgehäuses	mm	315	315	315	390
Wendekreis halbmesser minimal	mm	2450	4000	2430	2500

Motor. Viertaktvergasermotor. Motorleistung = 22 PS. Umdrehungen der Kurbelwelle in der Minute = 1200. Gußblecktyp = Monoblock. Zylinderzahl = 4. Zylinderbohrung = 95 mm. Kolbenhub = 127 mm. Verdichtung = 4,1. Zylinderzündfolge = 1-3-4-2. Anlassen des Motors durch Handhebel. Luftreiniger = Öltype mit Metallfüllung. Schmiersystem = kombiniert, Druck- und Spritzschmierung. Kühlsystem, Wasserzirkulationskühlung.

Die Traktoren Universal-2, Universal-3 und Universal-4 sind einfach in ihrer Konstruktion, sparsam in der Bauweise und eignen sich für den Einsatz in verschiedensten Bodenbearbeitungsverhältnissen. Mit Riemenscheiben und Zapfwellen.

Y-2



ТРАКТОРЫ

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У-4

