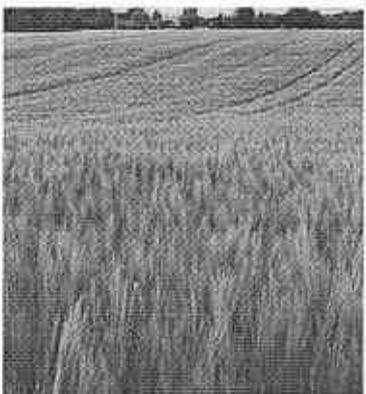


XT3 - 80 years



# PRODUCTION CATALOGUE



[www.xtz.ua](http://www.xtz.ua)

THE KHARKOV  
TRACTOR  
PLANT





**Award "Business Olympus",  
Rank "Golden Trade Mark",  
Ukraine, 2004**



**For participation  
in the Exhibition  
"AgroTechAstana",  
Kazakhstan, 2008**



**For participation  
in the Competition  
"Slobojanskiy vybor"  
Ukraine, 2007**



**For participation  
in the Exhibition  
"Agroexpo. Silk Way 2008",  
Tajikistan**



**To the winner of competition  
"Best production of Kharkov region",  
Ukraine, 2007**



**To the Winner of a National  
business-rating.  
The award "Leader of Branch",  
Ukraine, 2008**



**The Award of  
"100 Best Goods of Ukraine",  
Ukraine, 2004**



**For participation in 10th Anniversary  
International Exhibition  
"InterAgromash",  
the Russian Federation, 2007**



**For participation in the Exhibition  
"AGROCOMPLEX",  
Russian Federation, 2008**



**For participation in the  
International Agricultural Exhibition  
"Golden Field",  
Russian Federation,  
2006, 2007 and 2008**



**For participation in the National Rating Program  
"Leader of Agro Industrial Complex  
of Ukraine", Ukraine, 2006 and 2007**



**To the Winner of the All  
Ukrainian Competition  
"Best National Product of 2007",  
Ukraine**



For the purpose of production realization, in January of 2006 there was created the «Trading House» JSC «Kharkov Tractor Plant» Ltd., being the exclusive distributor of XT3 technique. For today the wide dealer network is created. The geography of sales of XT3 technique consists of following regions: Ukraine, the Russian Federation, Kazakhstan, Uzbekistan, Tajikistan, Mongolia, Moldova, Belarus, the Baltic States, Iran, Bulgaria, Poland, Hungary, Rumania, Armenia, Georgia, Azerbaijan, Turkmenistan, Kirgizstan, etc.

Also, in 2006 the «Trading House» XT3 Belgorod» was created, being the exclusive distributor of the «Trading House» JSC «Kharkov Tractor Plant» Ltd., for sale of tractor technique on territory of the Russian Federation.

Besides of that, representations of "XT3" with the centers in Moscow, Rostov-on-Don and Novosibirsk are opened.

The technique «XT3» from year to year becomes more and more modern and complicated in the technical plan. Considering it, the Trading House constantly develops and expands the dealer network on granting guarantee and service, and as the centers, supplying the spare parts. Coordination of spare parts sales on territory of Ukraine carries out the «Trading House» JSC «Kharkov Tractor Plant» Ltd., on territory of the Russian Federation this right belongs to Open Company «Trading house «XT3 Belgorod».

Since 2007 the range of «XT3» production is expanded by first road-building bulldozer TC-10. The first lot of this series machines is sold to the enterprises of Belarus, Russia and Ukraine.

Modern agriculture producers aspire to get not only a tractor, as source of energy, but also all agriculture machinery complexes, necessary for cultivation of this or that culture. To offer the consumer the optimum variant of the combination of various machines, in the Trading House is created and develop the department of the agricultural technologies. Experts of this department will help to customer to pick up not only an optimum set of mounted implements, but also will advise them with what model of tractor «XT3» this implement will give the optimum result and high profit. With same purpose Trading House «XT3» closely co-operating with manufacturers of the agricultural implements, spends the complex of measures, directed first of all on the complex and modern decision in the field of agro technologies.

Coordination of sales by «Trading House» JSC «Kharkov Tractor Plant» Ltd., gives the chance to come into long-term contacts with agricultural producers, to carry out more effective feedback with factory.





XT3 - 22021

Tractor XT3-22021 in comparison with tractors of series XT3-170 has following basic advantages:



- Increased in 1.3 ... 1.5 times productivity, because of application of more powerful (220 h.p.) engine, rear hitch of the increased load-carrying capacity (5000 kg), tires of high bearing ability (4500 kg), which allows aggregating a tractor with wide-cut and high-speed implements.
- The expanded universality of tractor at the expense of equipping it by the new power take-off shaft (PTO), the multisection proportional hydro distributor and system of automatic control of the three-point hitch, the gearbox with the increased number of speeds (16/8) that allows to expand essentially set of the implements, providing introduction of the newest agro technologies.
- The improved operator labour conditions at the expense of the tractor equipping by new spacious cabin with the central location of the operator and additional seat of the passenger, with the improved visibility, the convenient entrance in cab, rationally located controls, noise-vibro-insulation, the air conditioner-heater and electronic instruments. Considerably will simplify the work on tractor presence of prestarting heater of the engine, the additional fuel lifting pump, easy readjust able PTO and the increased illumination for work at night time.
- Execution of increased requirements of safety precautions and reduction of harmful influence on environment at the expense of application of the cabin with safety frame, two-contour, two-wire pneumatic brake system, asbestos free frictional materials, more economical engine and the wheels, providing decrease of slipping and reduction of specific pressure upon the soil.
- Considerable quantity of options, such as the satellite navigation, the super slowed down speeds, the device for doubling of wheels and others, will allow the consumer to generate individually tractor configuration according to its wishes and possibilities; tractor use as bases for industrial, municipal and forest machine at the expense of keeping of tractor configuration with free rear semi frame.

Main technical data

Engine model	JaMZ-236NK	PTO speed, rev/min	540 и 1000
Engine nominal power, kW(HP)	173 (235)	Dimensions(l/w/h), mm	6400/2505/3300
Range of speeds, forward, km/h	1,48-32,26	Track, mm	1860
Range of speeds, reverse, km/h	2,24-9,09	Fuel tank, l	430
Drawbar pull, kN (kgf)	40 (4000)	Tires	670/75 R32 160 A8
PTO	Rear, independent	Operation weight, kg	9600

■ Labour conditions of the operator (excellent visibility, high degree of safety, ventilation and heating, the steering column adjustable on height and angle of inclination, possibility of installation of the hydraulic steering, etc.) are improved.

■ The mechanical reversible transmission provides wide range of the speeds. For increasing of passability the differential lock is provided.

■ The tractor has power take-off shaft for drive of farm implements and devices of different functions.

■ The hydraulic system of bilateral action allows controlling of the hinged, semi hinged and hydraulic hook-on farm implements, and also by industrially-building special machines.



The municipal tractor equipment



The tractor can be equipped with plough-brushed equipment, intended for mechanized clearing and sweeping of roads, sidewalks and the areas from loose dust and recently fallen snow, for the layout of district of parks, lawns and other works.

The additional equipment to the tractor:

- Hydraulic controlled hook
- Cabin heater
- Hydrostatic steering

■ The tractor design allows:  
 - to change the track of the front and rear wheels;  
 - to change the agro technical clearance (tractor height) by turn of final drives and readjustment of the front axle.

■ The separate drive of brakes provides possibility to brake one of the driving wheels that allows carrying out more abrupt turn with less radius.

■ For providing of the work with heavy implements, the tractor is completed with ballast weights.

Possibility of the various executions of tractors:

- without cabin, with safety frame
- with sun-protection screen



**XT3 - 150K-09**



- Design of the tractor is familiar to machine operators.
- Presence in the farms and market of agricultural implements and machines.
- Optimum weight, dividing between the axles for the best traction with soil.
- Possibility of wheels doubling to increase the grip of tractor and decrease the specific ground pressure.
- Simple and unpretentious in operation engine of the Russian production.

**Additional equipment to the tractor:**

- Automatic hitch
- Doubling wheel device
- Doubling wheel device with set of additional wheels
- Engine pre-starting heater
- Gearbox with creeping speeds
- Fuel consumption indicator
- Hydraulic controlled draw hook
- Bulldozer equipment

Structure of the machine-tractor unit	Productivity, ha/hour	Fuel consumption, l/ha
T-150K + Shallow plough disk ЛД-14, stubble of barley	9,35	3,3
T-150K + Harrow disk БДПП-8, stubble of winter wheat	6,03	4,7
T-150K + Universal disk unit УДА-3,1, stubble of winter wheat	2,55	7,5
T-150K + Harrow disk heavy БДВ-6,5, stubble of winter wheat	4,62	5,6
T-150K + Plough hinged ПНН-5	1,14	16,1
T-150K + Unit combined АК-4,4	3,23	7,5

SERIES 150K

**List of design improvements of XT3-150K-09 for the last year:**

1. Improved the reliability and durability of:
  - the fuel tank;
  - the rubber parts;
  - gearbox hydraulic system.
2. Introduced the improved tractor control units.

XT3 - 17221/17221-21/17021/17221-19



Doubling of wheels reduces specific ground pressure to level of pressure of the crawler tractor, that promotes preservation of the fertile layer of soil and successful tractor use at sub soiling technologies of plants cultivation.

Doubling of wheels allows increasing the traction characteristics of the tractor.

**Additional equipment to the tractor:**

- Automatic hitch
- Air conditioner
- Doubling wheel device
- Doubling wheel device with set of additional wheels
- Engine pre-starting heater
- Gearbox with creeping speeds
- Fuel consumption indicator
- Hydraulic controlled draw hook

- Base of tractor - design of T-150K tractor is familiar to machine operators.
- More comfortable cabin, the improved working conditions of the tractor operator, possibility of installation of the air conditioner.
- Presence at farms and in the market of implements and agricultural machines.
- Simple design and unpretentious in operation engine JAMZ 236Д-3 (Russia) on tractors XT3-17221, economic engine BF6M1013E (Germany) on tractors XT3-17021, economic engine D260.9-50 (Belarus) on tractors XT3-17221-18.

Structure of the machine-tractor unit	Productivity, Ha/h	Fuel consumption, l/ha
XT3-17221 + Unit combined АКГ-3, stubble of winter wheat	1,87	11,6
XT3-17221 + Deep ripper ГР-2,5	1,54	19,2
XT3-17221 + Deep ripper ГР-3,4	2,22	17,2
XT3-17221 + Chisel for top soil cultivation ЧД-4	1,74	17,4
XT3-17021 + Harrow disk БГР-4,2	3,00	14,2
XT3-17221 + Modular disk unit МАГ-3,6	2,83	7,5
XT3-17221 + Fallow cultivator КРН-8	4,42	5,4
XT3-17221 + Fallow cultivator КРН-5,6	3,9	6,5

**The list of improvements of XT3-17221/17021 tractors for last year:**

- the cabin roof and ceiling, made of plastic;
- some interior cabin parts, made of modern, three-layer composite materials;
- two-layer cabin mate;
- new sun protection shields;
- new steering wheel;
- fuel tank, made of plastic;
- air pre-cleaner «VORTEX» (CV-16616);
- increased the engine power up to 210 HP.

## XT3 - 17221-09



The further modernization of tractors series 170.

Application of plastic for facing elements, roof of the cabin and wings, allows simplifying of the tractor units service.

The expanded range of speeds up to 16 - forward, and also increase of the maximum speed up to 40 km/hour allows using more rationally the tractor for performance of labour-consuming agricultural and transport works with considerable reduction of the expense of fuel, so also decrease the cost of the executed works.

### Additional equipment to the tractor:

- Air conditioner
- Doubling wheel device
- Doubling wheel device with set of additional wheels
- Engine pre-starting heater
- Fuel consumption indicator
- Hydraulic controlled draw hook

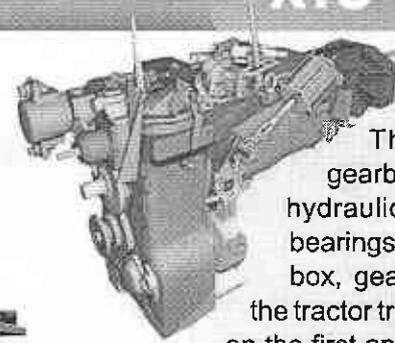


The cabin with safety frame equipped with central located seat of the operator, has improved interior, which provides good visibility, tightness, thermo-noise insulation. Air in the cabin is warmed up and filtered by the air conditioner, which supports demanded conditions in the cabin. Suspended seat, convenient arrangement of controls and instruments of the tractor, create comfortable working conditions of the driver, reduce his fatigue, the rigid framework of cabin and seat belts reliably protect the driver in case of tractor overturning. The cabin has passed certified tests for safety and the Conformity Certificate is received. The hydrostatic steering unit of "Danfoss" Company (Denmark) or "Lifam" (Yugoslavia) with an adjustable steering column provides easy and convenient steering with effort on the steering wheel up to 2 kg.

### The list of improvements of XT3-17221-09 tractor for last year:

- the cabin roof and ceiling, made of plastic;
- some interior cabin parts, made of modern, three-layer composite materials;
- new sun protection shields;
- new steering wheel;
- air precleaner «VORTEX» (CV-16616);
- optimal location of the gearbox control levers;
- increased the engine power up to 210 HP.

XT3 - 16131



The modernized gearbox: strengthened hydraulic clutch packs, bearings of the transfer box, gear wheels provide the tractor traction up to 5 tons on the first and second ranges, that gives the possibility to provide deep ploughing on heavy soils. The expanded range of speeds to 16 forward and 8 reverse allows picking up the more exact speed at work with various implements.

**Additional equipment**

**to the tractor:**

- Air conditioner
- Wide profile wheels 66x43R25
- Set of wheel spacers
- Fuel consumption indicator
- Hydraulic controlled draw hook

- Possibility of re-equipping of the tractor on reversible steering, that allows to use it with forage, loading and other equipment, demanding of the front hitch.
- High traction properties of tractor and low slipping during performance of power-intensive works it is reached by means of driving axles with automatic blocking of differential.
- Front and rear hitches and also front and rear independent PTO open the wide possibilities of aggregation and combination of different operations.
- Front steered wheels and the displaced forward centre of gravity (the front driving axle) provides the increasing of road-holding ability and allows to use the tractor on row-crop works with the high straightforwardness.

Structure of the machine-tractor unit	Productivity, Ha/h	Fuel consumption, l/Ha
XT3-16131 + Plough turnaround ПО-5	0,94	16,4
XT3-16131 + Unit combined АКШ-3,6	2,24	7,6
XT3-16131 + Unit of presowing cultivation АПОГ-6,1	3,53	6,5
XT3-16131 + Unit of presowing cultivation АП-6	4,48	6,0
XT3-16131 + Unit soil-cultivating АГ-6	4,83	6,9

**The list of improvements of XT3-16131 tractor for last year:**

- the cabin roof and ceiling, made of plastic;
- some interior cabin parts, made of modern, three-layer composite materials;
- two-layer cabin mate;
- new sun protection shields;
- new steering wheel;
- air precleaner «VORTEX» (CV-16616);
- increased the engine power up to 190 HP.

## T - 150-05-09

### Additional equipment to the tractor:

- Engine pre-starting heater
- Fuel consumption indicator
- Gearbox with a slow speed reducer
- Bulldozer equipment

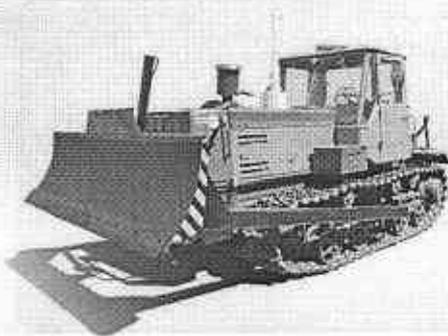


Simple design and unpretentious in operation engine of Russian production JaMZ-236D3 with power 175HP.

Optimum weighting for performance of traction operations.

The wide range of speeds without restriction on traction force gives the possibility to use the tractor on various farm work and rational technological speeds.

By the traction characteristics tractor XT3-150-05-09 corresponds to 4 tons force class.



Absolutely new qualities are given to the farm tractor by additional installation of the bulldozer equipment. Except performance of farm work, tractors series 150 use as bulldozers on building of silo storages, on repair of roads, their clearing of snow, and also for working out and conveyance of soils I-II class, a trench backfill and foundation pits, conveyance of granular building materials.

At removed the bulldozers equipment the tractor can be used on all works peculiar to it - ploughing, the soil presowing cultivation, sowing, etc.

### The list of improvements of T-150-05-09 tractor for last year:

- the improved technology of fuel tanks welding;
- introduced the improved design of the in taking filter;
- introduced the improved design of the distributor valve 151.37.025-4;
- the ozone resisting rubber is introduced;
- introduced the second fixing pin of the cylinder axle of the linkage mounting;



**Additional equipment to the tractor:**

- Automatic hitch
- Air conditioner
- Engine prestarting heater
- Fuel consumption indicator

**According to the test results, our tractors recommended to use in agriculture of:**

- Ukraine
- Russian Federation
- Kazakhstan
- Uzbekistan
- Tajikistan
- Turkmenistan

- It is developed on the basis of tractor T-150.
- The comfortable cabin, the improved working conditions of the tractor operator, possibility of installation of the air conditioner.
- Simple design and unpretentious in operation engine of Russian production JaMZ-238-KM-2 with power 190HP.
- Optimum weighting for performance of traction operations.
- Torsion-balancer, independent, five rollers on each board suspension, allows to decrease the pressure upon a soil, to raise traction characteristics, softness and smoothness of movement on transport works.
- The steering column is adjustable on height and angle of inclination.
- By the traction characteristics tractor XT3-181 corresponds to the traction class of 5 (5000kgf).

**The list of improvements of XT3-181 tractor for last year:**

- the cabin roof and ceiling, made of plastic;
- some interior cabin parts, made of modern, three-layer composite materials;
- two-layer cabin mate;
- new sun protection shields;
- new steering wheel;
- fuel tank, made of plastic;
- air precleaner «VORTEX» (CV-16616).

T - 1565-09-03



The single frame safe cabin with a plastic roof, the central landing of the operator, the pendant pedals, the modernized steering column, the improved interior (polymeric guards of the cabin bars, front and rear panels, a roof ceiling are applied), the improved visibility for the account of the increased glass area is installed;

The tractor gravity centre is lowered for the account of an arrangement of fuel tanks in interwheel space. The volume of fuel tanks is increased, that will allow to work more time without refueling;

The plastic hood, improving convenience of servicing of the engine and its systems, plastic rear fenders is installed;

The loader hydraulic system (the new hydro tank and the hydro distributor of the working facilities with control system is installed) is modernized;

The pneumatic system is modernized, the new two-section brake valve is installed;

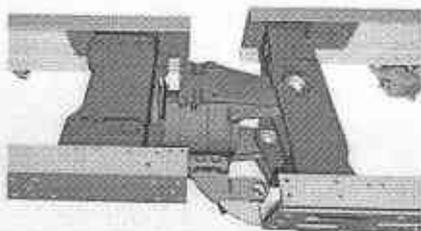
New control of gearbox ranges of cardan type is installed.

Installed new (type of XT3-17221-09) systems of clearing of air cleaning and release of the exhaust gases, improving working conditions of the engine.

Transport headlights are transferred on the portal of the loading equipment and turn together with front semi frame, that provides improvement of light exposure of a roadbed;

#### Additional equipment to the loader:

- Adapter for fast change of the working equipment
- Assembly hook
- Cargo fork
- Holding device
- Household fork
- Replaceable basket for beet loading, Volume 3m<sup>3</sup>



The articulated frame in combination with hydrostatic steering and gearbox with fast gear changing forward and reverse, provide the good maneuverability and ease control. It gives the possibility to work with high efficiency on small platforms (areas).

**Additional equipment to the tractor:**

- drawbar
- fuel consumption indicator



Hydrostatic transmission provides the maximum productivity.

It is simple in service, because of block-modular design of components and units.

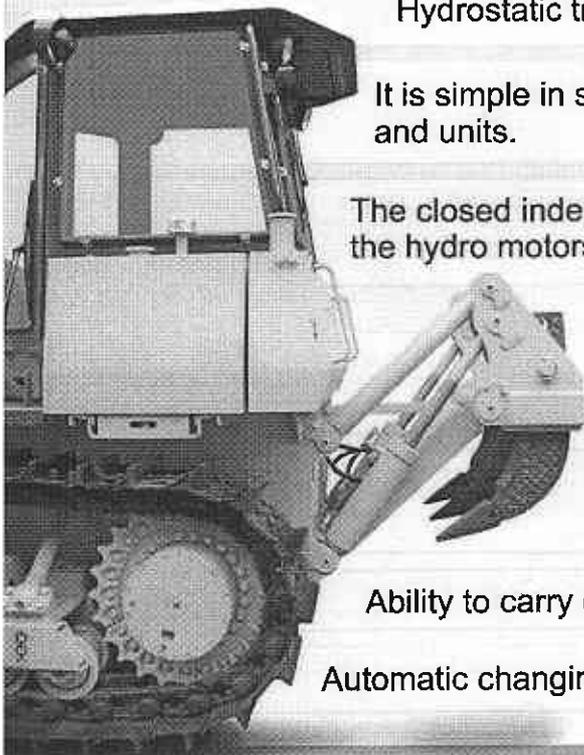
The closed independent drive gear from the separate hydraulic pumps and the hydro motors on each board increases maneuverability of the bulldozer.

Hydrostatic braking with the full control of speed without application of brakes.

Exclusive controllability, especially on small areas and on downgrades.

Ability to carry out the speed changing and turns at full load.

Automatic changing of speed and power, depending on external loads.





## TECHNICAL DATA

KT3-2511

KT3-150K-09

KT3-17221 / 17221-21 / 17021 / 17221-19



### The engine

Engine make	D120-44/D120-90 BMT3, Vladimir, Russia	JaMZ-236D-3, Yaroslavl, Russia	JaMZ-236D-3, Russia	JaMZ-238KM2-3, Russia	DEUTZ AG, Germany	D260-452, Belarus
Nominal power, kW (h.p.)	19,5(27)/23,5(32)	129,7(175)	129,7(175)	178,5(240)	132,4(180)	154,4(210)
Nominal speed, rev./min.	1800/2000	2100	2100	2100	2100	2100
Number of cylinders	2	6	6	8	6	6
Arrangement of cylinders	in line	V-shaping	V-shaping	V-shaping	in line	in line
Diameter of the cylinder/piston stroke, mm	105/120	130/140	130/140	130/140	108/130	110/125
Displacement, l.	2,08	11,15	11,15	14,86	7,14	7,2
Start-up system	Electrical starter					
Specific fuel consumption, g/kW h. (g/h.p.h)	241(177)/245(180)	220(162)	238(175)		219,6(162)	240(176,7)

### Transmission

Clutch	Single disk, dry type	Single disk, dry type	Single disk, dry type			
Gear box	Mechanical-reversible	Hydro mechanical, power shift with each range				
Number of ranges/gears, forward	-/8	3/12	3/12			
Number of ranges/gears, reverse	-/6	1/4	1/4			
Speed of movement, forward, km/h	1,51-33,3	3,36-6,03; 7,08-12,67; 16,27-30,08	3,72-5,85; 7,01- 12,29	3,90-6,13; 8,18-12,88; 18,82-31,00		
Speed of movement, reverse, km/h	4,45-30,26	5,10-9,14	5,63-8,86	5,90-9,28		
Main drives	-	Conical, with spiral teeth and inter wheel differential				
Final drives	Mechanical, single stage reducer	Single stage planetary reduction gear				
Power-take-off shaft, PTO	Rear, independent, single speed	Rear, independent, double speed				
PTO speed, rev/min	540	540 и 1000	540 и 1000			

### Overall dimensions and weight

Base, mm	1775/1837 (setting - low/high)	2860	2860			
Track, mm	1200-1400(n) / 1100-1500(β)	1680 и 1860	1860			
Length, mm	3280	6130	8500			
Width, mm	1420	2406	2460			
Height, mm	2490	3195	3360			
Road clearance, mm	450-587	400	400			
Weight operational, kg	2200	8005	8780	8870	8480	8380
The wheel scheme	4x2	4x4	4x4			
The minimum turning radius, m	3,5	6,5	6,7			
Bulldozer blade width, mm	-	2520	-			

### Filling capacities

Engine oil, l.	3,5	21	28	31,3	21	21
Gear box oil, l.	12	18	18			
Driving axles oil, l.	-	64	64			
Hydraulic hitch system oil, l.	8	46	46			
Steering system oil, l.	-	43	46			
PTO reducer oil, l.	-	6,8	6,8			
Fuel tank, l.	50	315	430			
Engine cooling system, l.	Air cooling	30	34	41	35	35
Type of cooling liquid	-	Tosol	Tosol	Tosol	Glyserantin	Tosol
Pulling force, kgf	713	3000-4000	3000-4000			
Brakes	Clamping band	Stopping brakes - shoe type, parking - band type	Stopping - shoe type with a pneumatic circuit; parking - band type with the pneumatic accumulator			
Steering device	Steered front wheels	Hydrostatic steering with articulated frame				
Running system	-	-				
Tires	6,5-16HC6/9,5R32HC6	21,3R24, Single - 4ps, Doubled - 8wheels	23,1R26 Single - 4ps, Doubled - 8 wheels			
Batteries	6CT-100A, 12v	6CT-140A-2ps, 12/24v				
The hinged devices / working equipment	Rear, hydraulic, lifting capacity 600 kgf	Rear, 2 and 3point hitch, hydraulic, lifting capacity - 4500 kgf	Rear, 2 and 3point hitch, hydraulic, lifting capacity - 4500 kgf	Rear, 3 point hitch, hydraulic, lifting capacity - 4500 kgf	Rear, 2 and 3point hitch, hydraulic, lifting capacity - 4500 kgf	

NT3-17221-09



NT3-16131



T-150-05-09



NT3-181



T-1566-09



TC10



JaMZ-236D-3, Yaroslavl, Russia	BF6M1013E, DEUTZ AG, Germany	JaMZ-236D-3, Yaroslavl, Russia	JaMZ-236KM2-3, Yaroslavl, Russia	JaMZ-236D-3, Yaroslavl, Russia	JaMZ-236M2-4, Yaroslavl, Russia
129,7(175)	139,7(190)	129,7(175)	139,7(190)	129,7(175)	132(180)
2100	2200	2100	2100	2100	2100
6	6	6	8	6	6
V-shaping	In line	V-shaping	V-shaping	V-shaping	V-shaping
130/140	108/130	130/140	130/140	130/140	130/140
11,5	7,14	11,15	14,86	11,15	11,15
Electrical starter		Electrical starter		Electrical starter	Electrical starter
220(162)	219,6(162)	220(162)	220(162)	220(162)	220(162)
Single disk, dry type		Single disk, dry type		Single disk, dry type	-
Hydro mechanical, power shift within each range					Hydro mechanical, consisting of hydrostatic drive and two onboard reducers
4/16	4/16	3/9	3/9	3/9	-
2/8	2/8	1/3	1/3	1/3	-
3,61-5,68; 7,58-11,8; 11,53-18,1; 25,4-39,65	1,51-2,42; 3,15-5,26; 7,03-12,38; 16,18-31,46	4,28-15,31	4,28-5,88; 6,72-9,28; 11,09-15,31	2,86-35,2	0-9,2
5,46-8,6; 17,44-27,5	2,07-3,66; 7,75-8,41	5,74-7,93	5,74-7,93	3,07-15,5	0-9,2
Conical, with spiral teeth and inter wheel differential		Conical, with spiral teeth		Conical, with spiral teeth and inter wheel differential	-
Single stage planetary reduction gear		Planetary		Planetary	-
Rear, independent, double speed	Front-independent, single speed, rear-independent, double speed	Rear, independent, double speed		-	-
540 и 1000	Front - 1000, rear - 540 and 1000	540 и 1000	540 и 1000	-	-
2860	2860	1800	2300	2860	2550
1860	2050/1800	1435	1435	1910	1880
6210	6640	5000	5455	7310	6420
2420	2480	1880	1960	2470	3328
3345	3375	2680	3170	3285	3150
400	580/505	300	350	400	370
8395	8260	8150	9550	10490	16860
4x4	4x4	-	-	4x4	-
6,7	7,1	2,35	2,35	6,7	0,94
-	-	2520	-	-	3200
28	20	28	31,3	28	26
15	18	32,8	32,8	18	-
64	57	37,8	43,8	64	(onboard reducer) - 2x7,5
48	55	42,3	42,3	46	(hydraulic system of working equipment) - 280
43	57,2	-	-	46	-
6,8	6,12x2	4	4	-	-
315	2x140	315	430	350	300
34	35	41	41	34	50
Tosol	Glysanlin	Tosol	Tosol	Tosol	Water or Tosol
3000-4000	3000-4000	3000-4000	4000-5000	-	10000
Stopping - shoe type with a pneumatic circuit, parking - band type with the pneumatic accumulator		Clamping band	Clamping band	Stopping brakes - shoe type, parking - band type	The hydraulic, dry multistage brake, built in a reducer
Hydrostatic steering with articulated frame	Hydrostatic steering of front steered wheels	Hydro peak clutches and brakes on secondary shafts of the gear box	Hydro peak clutches and brakes on secondary shafts of the gear box	Hydrostatic steering with articulated frame	-
-	-	Balancing	Balance-torsion	-	Semi rigid, with cross-section balancing bar
23,1R28. Single - 4ps. Doubled - 8 wheels	16,9R36 - Single - 4 wheels, 9,5RA2 - Doubled - 4 wheels	-	-	Front and rear - 23,1R28	-
6CT-140A-2ps, 12/24v	6CT-140A-2ps, 12/24v	6CT-140A-2ps, 12/24v	6CT-190A-2ps, 12/24v	6CT-140A3-2ps, 12/24v	6CT-190A-2ps, 12/24v
Rear, 3 point hitch, hydraulic, lifting capacity - 4500 kgf	Front and rear, hydraulic systems with the closed centre, lifting capacity: front - 1500 kgf, rear - 4500 kgf	Rear, 2 and 3point hitch, hydraulic, lifting capacity - 3500 kgf	Rear, 2 and 3point hitch, hydraulic, lifting capacity - 3500 kgf	Bucket volume - 1,5 m3, nominal load-carrying capacity - 3000 kgf, height of the bucket unloading - 2920 mm	Front - blade, width 3200, height 1200, Rear located opposite equipment - one and three leathers

# TRACTIVE-SPEED CHARACTERISTICS OF THE TRACTORS

## XT3-17221

Speed range	Speed, km/h	Tractive force, kN
I	1	3,72
	2	4,36
	3	5,16
	4	5,85
II	1	7,81
	2	9,16
	3	10,84
	4	12,29
III	1	17,96
	2	21,08
	3	24,87
	4	29,80
reverse	1	5,63
	2	6,60
	3	7,80
	4	8,86

## XT3-17021

Speed range	Speed, km/h	Tractive force, kN
I	1	3,90
	2	4,57
	3	5,41
	4	6,13
II	1	8,18
	2	9,50
	3	12,88
	4	18,80
III	1	22,08
	2	26,03
	3	31,00
	4	51,10
reverse	1	5,10
	2	6,90
	3	8,17
	4	9,28

## XT3-16131

Speed range	Speed, km/h	Tractive force, kN
I	1	1,51
	2	1,73
	3	1,98
	4	2,66
II	1	3,46
	2	3,98
	3	4,56
	4	6,11
III	1	7,73
	2	8,89
	3	10,17
	4	13,64
IV	1	17,76
	2	20,45
	3	23,40
	4	31,39
I reverse range	1	2,28
	2	2,62
	3	3,00
	4	4,02
II reverse range	1	5,24
	2	6,03
	3	6,90
	4	9,25

## XT3-17221-09

Speed range	Speed, km/h	Tractive force, kN
I	1	3,61
	2	4,24
	3	5,00
	4	5,88
II	1	7,58
	2	8,90
	3	10,52
	4	11,90
III	1	11,53
	2	13,52
	3	16,00
	4	18,10
IV	1	25,40
	2	29,80
	3	35,20
	4	39,95
I reverse range	1	5,46
	2	6,41
	3	7,57
	4	8,60
II reverse range	1	17,44
	2	20,45
	3	24,20
	4	27,40

## XT3-17221-19

Speed range	Speed, km/h	Tractive force, kN
I	1	3,72
	2	4,36
	3	5,16
	4	5,85
II	1	7,81
	2	9,16
	3	10,84
	4	12,29
III	1	17,96
	2	21,08
	3	24,87
	4	29,80
reverse	1	5,63
	2	6,60
	3	7,80
	4	8,86

## XT3-17221-21

Speed range	Speed, km/h	Tractive force, kN
I	1	3,72
	2	4,36
	3	5,16
	4	5,85
II	1	7,81
	2	9,16
	3	10,84
	4	12,29
III	1	17,96
	2	21,08
	3	24,87
	4	29,80
reverse	1	5,63
	2	6,60
	3	7,80
	4	8,86

## XT3-150-05-09

Speed range	Speed, km/h	Tractive force, kN
I	1	4,26
	2	4,92
	3	5,88
II	1	8,72
	2	7,77
	3	9,28
III	1	11,09
	2	12,82
	3	15,31
reverse	1	5,74
	2	6,64
	3	7,93

## XT3-181

Speed range	Speed, km/h	Tractive force, kN
I	1	4,26
	2	4,92
	3	5,88
II	1	8,72
	2	7,77
	3	9,28
III	1	11,09
	2	12,82
	3	15,31
reverse	1	5,74
	2	6,64
	3	7,93

## GUARANTEE AND SERVICE

All production, which produces the Kharkov Tractor Plants, is provided with technical service which includes:

**Maintenance with the specifications and technical documentation:**

- technical description and operating instruction;
- tractor passport;
- catalogue of parts and assembly units;
- service book;
- consumer questionnaire.

**Guarantee obligations:**

- All production is provided with timely warranty service in all areas of Ukraine, the Russian Federation, the CIS countries through the network of dealer points and the technical centers;
- For maintenance of guarantee obligations in the far abroad countries departure of experts of factory is carried out;
- The consulting and technical help in post guarantee operating period;
- Spare parts supplying;



- All techniques are provided with spare parts on all life cycle by the nomenclature more than 1000 part names;
- Maintenance with spare parts of the tractors which have been laid off.

## THE SPARE PARTS

Presence of the hi-tech equipment, automatic and product lines allows making qualitative spare parts for repair of tractors XT3 in wide assortment: gearboxes, PTO reducer, clutch, frame, cabin, facing details, and also other parts for minor repair and technical service.

The majority of spare parts are unified, that is are applied on all lineup of tractors. Such unification considerably facilitates repair and service of tractors, and also allows to lower expenses for repair and to reduce techniques idle times.

The spare parts are made with observance of specifications and state standards; it provides high quality and reliability.

Originality of spare parts proves to be true by special stamp of quality assurance department, and cast parts have the brand «XT3» and catalogue number. Open Society "XT3" is certificated under standard ISO 9001.

Using of original spare parts at carrying out of repair work - is guarantee of long-term problem less operation of your technique.

Open Company «Trading House of Open Society «Kharkov Tractor Plant» has the exclusive right on realization of spare parts, manufactured by the Kharkov

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ISO 9001  
REPRESENTATIONS AND DEALERS

Examples of KTB tractors using for performance of key technological operations at growing of the basic agricultural crops with various systems of soil cultivation.

## AGRO TECHNOLOGIES

### The traditional system - on the basis of mould-board plowings

includes mould-board ploughing on depth of 25 cm, early-spring cultivation on depth to 12 cm and sowing of the grain and row-crop plants by the seeders of type C3-3,6, СУПН-8.



mould-board ploughing



early-spring cultivation



grain sowing

### Preserving system - on the basis of sub soiling deep cultivation (25-40cm) with conservation of the most part of crop residues in the processed top layer of soil up to 70 %.

Includes the deep loosening on depth to 40 cm, cultivation of the top layer with hashing of plant residues and sowing by the seeders, intended for the minimum technology.



deep cultivation



harrowing



sowing by the row-crop seeders

Examples of XT3 tractors using for performance of key technological operations at growing of the basic agricultural crops with various systems of soil cultivation.

## AGRO TECHNOLOGIES

### Mulching system - on the basis of loosening of the top soil layer.

**layer.** Includes the cultivation of the top soil layer on depth of 6-10 cm, with conservation to 30 % of plant residues, sowing by the seeders, intended for the minimum processing, and direct sowing. The system can be realized on one unit, combining superficial soil cultivation and sowing, for example Disk-O-Sem (AGRISEM) or Rapid RD (VÄDERSTAD).



mulching with simultaneous sowing



mulching with simultaneous sowing

### The system of direct sowing (NO-Till) - is based on sowing into the not cultivated soil at full savings of plant residues.

The system is characterized by low expenses for production, restoration of the humus and soil compaction decrease.



direct sowing



direct sowing



At application of preserving, mulching and direct sowing systems (NO-Till), with use of XT3 production tractors, you will achieve heavy crops with low expenses.

# AGRICULTURE EQUIPMENT

Country	Equipment mark	Name of equipment	Tractor model					Company-producer
			16131	150K	17021/1721	150	181	
	PN-6-35	Mounting plough						Kamenetsk-Podolskselmash
	PNV- 5-35	Mounting plough with skim-coulter						Veles-agro
	182 MULTI-MASTER	Mounting swivel plough						KUHN
	MANAGER	Semi mounting plough						KUHN
	PO-5	Mounting swivel plough						InterAgroTek
	AKSH-3,6	The combined high-speed aggregate						Khmelnikselmash
	ACHP-3 «HOMA»	Chisel aggregate						Galeshinamashzavod
	GR-2,5	Deep ripper						Belotserkov MAZ
	Cultiplow 52	Deep ripper						AGRISEM
	BDV-7	Heavy disk harrow						Umanfermash
	BGR-4,2 «SOLOHA»	Heavy disk harrow						Galeshina
	UDA-4,5-20	Disking trailed						Kamenetsk-Podolskselmash
	Rubin 9/400 KUA	Disking semi mounted						Lemken
	Disk-O- Mulch	Disking semi mounted						Agrisem
	Optimer 4000	Disk stubble breaker						KUHN
	MIXTER 109	Stubble cultivator						KUHN
	MIXTER 111	Stubble cultivator						KUHN
	LD-10M <sup>1</sup>	Disk shallow plough						Voschod
	KPS-8PM	Cultivator						Voschod
	KPS - 8	Cultivator						Tschervona zirka
	KPS - 8	Cultivator for the presowing soil cultivation						Shepetovsky zavod cultivator
	K-10	Clob-crusher roller						Voschod
	Series HRB 403D	Vertical cutter						KUHN
	Series HR 403D	Rotor type harrow						KUHN
	Series HBR 503D	Vertical folding cutter						KUHN
	Wko 4400	Vertical folding cutter						Orsigroup
	Wko 5000	Vertical folding cutter						Orsigroup
	AP-6	Presowing aggregate						Umanfermash
	AKSH-3,6	High speed combined aggregate						Khmelnikselmash
	SdM 2227	Mechanical seeder of minimum and zero cycle						KUHN

# AGRICULTURE EQUIPMENT

Country	Equipment mark	Name of equipment	Tractor model					Company-producer
			16131	150K	17021/17221	150	181	
	GHERARDI G240	Stubble grain-grass seeder						GHERARDI
	TERRASEM 6000L	Semi mounted pneumatic seeder						PÖTTINGER
	DST 1400	Trailed mechanical seeder						Agrisem
	Series MAXIMA	Pneumatic precision drill						KUHN
	GHERARDI G216	Pneumatic stubble precision drill						GHERARDI
	3600TR Twin Line	Mechanical precision drill						KINZE
	THEMA 18 Beet+Com Universal	Deep ripper						InterAgroTek
	UKR-8,4	Universal cultivator						Shepetovsky zavod cultivator
	TWIST 15001 TD	Organic fertilizer spreader						PÖTTINGER
	TWIST 18001 TD	Organic fertilizer spreader						PÖTTINGER
	ProPush 2054	Organic fertilizer spreader						KUHN
	PTU-14	Organic fertilizer spreader						LMR
	T-17V	Machine for the liquid fertilization						LMR
	Series MDS, AXERA	Mineral fertilizer spreader						KUHN
	MXL 3000	Mineral fertilizer spreader						UNIA
	ABG-8	Aggregate for the herbicides entering						Umanfermash
	Series RM	Multipurpose mulcher with horizontal axle						KUHN
	FC 280 F+FC 303	Combination of the mowers + crushers						KUHN
	ALTERNA 500	Trailed mower-crushers						KUHN
	NOVACAT 305 H ED+ 306 F ED	Mounted disk type mower-crushers						PÖTTINGER
	NOVACAT 8600	Glob-crusher roller						PÖTTINGER
	EVROPROFI 3	Pickers-piler						PÖTTINGER
	JUMBO 6000DL	Pickers-piler						PÖTTINGER
	KDP-3000	Forage-harvester						Gomselmash
	MEX VI	Trailed forage-harvester						PÖTTINGER
	EUROTOP 1251 A	Semi mounted , rotor type swath former						PÖTTINGER
	GA15021	Semi mounted , rotor type swath former						KUHN
	LMR-14	Tipping tractor semi trailer						LMR
	LMR-1715	Tipping tractor semi trailer						LMR
	LMR-18	Tractor semi trailer-grain-movers						LMR

# INDUSTRIAL TRACTORS

INDUSTRIAL TRACTORS ON THE BASE OF XT3-150K TRACTOR		
PZM-2		Earth-moving machine on the basis of tractor T-155M with engine model JAMZ-236D-3 and 175 h.p. power, with hydro mechanical power shift gearbox, without breakage of power torrent, with speed reducer. The special equipment: - high-speed chain excavator of continuous action, depth of trench digging-1,2 m, width- 0,65 m, productivity 180-200 length m/hour, depth of foundation ditches digging to 3,0 m, width to 3,5 m, productivity 140 length m/hour; - the bulldozer equipment with turning blade, angle of turn 25 ° to the left or to the right, depth of lowering-300 mm, height of lifting-300 mm; - Winch, load-carrying capacity 5 t.
MRMG		Machine for cutting of hard surfaces and frozen soil on the base of XT3-150K-09 tractor with JaMZ-236D3 engine, power 175h.p., hydro mechanical power shift gearbox and speed reducer. Equipped with device for cutting of tranches in frozen and lighter soils, and also hard surfaces of roads and the areas (including asphalt). Depth of the tranches 1,6 – 2.0 m, efficiency - 40 length meters/hour.
BT-150		Tranches excavator, chain type, installed on the base of XT3-150K-09 tractor with JaMZ-236D3 engine, 175h.p. with hydro mechanical power shift gearbox and speed reducer. Equipped with device for tranches cutting, depth of cutting 1.5m, width tranches cutting is 270, 400, 500 mm.
TM.1.175 KRT-1		The shunting rail tractor is created on the basis of tractor XT3-150K-09 with engine JAMZ-236D-3 of 175 h.p. and hydro mechanical power shift gearbox. It is intended for performance of shunting works with a railway rolling stock and works with truck trailers.
UPM-1		The multiple-purpose railway machine is created on the basis of tractor XT3-150K-09 with engine JAMZ-236D3, 175 h.p. and hydro mechanical power shift gearbox. It is intended for performance of works on repair and the maintenance of railways.
MSO		Snow removing machine, installed on the base of XT3-150K-09 tractor with JaMZ-236D3 engine, 175h.p., with hydro mechanical power shift gearbox. It is equipped with milling-rotary machine, which has productivity 900 meters/h at snow height 1.2 m and 2.4 m width.
INDUSTRIAL TRACTORS ON THE BASE OF XT3-170 TRACTOR		
BKM-3U BKM-2M		Drilling-crane machine, installed on the base of XT3-17221 tractor with JaMZ-236D3, power 175 h.p. and hydro mechanical power shift gearbox. It is equipped with drill for boring of chinks, depth of boring to 3 m, lifting of arrow to 7 m, mounting of piles in height 12m, load-carrying capacity to 2000 kg.
MBP-420		Drilling-crane machine, installed on the base of XT3-17221 tractor with JaMZ-236D3, power 175 h.p. and hydro mechanical power shift gearbox. It is equipped with drill for boring of chinks, depth of boring to 2.5 m, lifting of arrow to 7 m, mounting of piles in height 12m, load-carrying capacity to 2000 kg.
XT3-17221-06		The wheeled bulldozer on the base of XT3-17221 tractor with JaMZ-236D3 engine, 175h.p. and hydro mechanical power shift gearbox. It has bulldozer equipment with turning blade, angle of turn is 25° to left or to right, depth of lowering-300mm, height of lifting-300mm.
XT3-17221-08		It is industrial complete set of XT3-17221 tractor with JaMZ-236D3 engine, 175h.p. and hydro mechanical power shift gearbox with speed reducer, maximum tractor speed-55km/h. It is intended for installation of the different industrial equipment and operations with semi trailers. Equipped with drawbar hook with double-side shock-absorbing.
XT3-17221-07		It is forest industry complete set of XT3-17221 tractor with JaMZ-236D3 engine, 175h.p. and hydro mechanical power shift gearbox. It is equipped with strengthened frame and axles, cabin safety frame. It is intended for installation of skidded equipment.
TM-47		It is tractor XT3-17221-08 with JaMZ-236D3 engine, 175h.p. and hydro mechanical power shift gearbox. Tractor equipped with tipping semi trailer capacity of 27 m3.
LT-157 LT-171		Skidding machine on the base of XT3-17221 tractor with JaMZ-236D3 engine, 175h.p. and hydro mechanical power shift gearbox. Equipped with choker and forest skidding device with tongs, the maximum weight of skidded wood balers – 6.15 t. The winch pulling force -70 kN.
INDUSTRIAL TRACTORS ON THE BASE OF XT3-16131 TRACTOR		
AC-42A		It is mobile welding station on the base of XT3-16131-02. It is intended for installation of four welding rectifiers for the welding of pipe couplings in the field conditions. The lifting capacity of the boom - 1000 kg, maximum lifting height -3.9 m.
INDUSTRIAL TRACTORS ON THE BASE OF XT3-150-05-09 TRACTOR		
AV-500 (UOB-4V)		The water pumping off unit on the basis of tractor T-150-05-09-12 with engine JAMZ-236D-3 power 175 h.p. and hydro mechanical gearbox without breakage of the power torrent (power shift). It is intended for fast pumping off the rain, thawed and ground water from tranches and foundation ditches at building of the oil - gas pipelines, and also it is used in extreme situations at high waters and flooding. The pressure of the stream is up to 20 meters, depth of suction - 5 m., and the complete set of sleeves - by request.

## TECHNIQUE OF THE SPECIAL PURPOSE

TECHNIQUE  
OF THE SPECIAL  
PURPOSE

### XT3-10H



The multiple-purpose vehicle provides performance of various transport and other special works, and also installation on it of the various equipment, including the drilling equipment, for performance of works in difficultly accessible areas.

Mass, kg	11500
Load-carrying capacity, kg	4000
Crew + passengers, (people)	1+11
Outline dimensions, mm	
Length/width/height	7210/3150/2035
Ground clearance, mm	400
The engine	four stroke diesel
Power, h.p.	310
The maximum speed, km/h	
On the soil road	60
Afloat	4-6
Average specific pressure upon ground, kg/cm <sup>2</sup>	0,3
The maximum angle of ascent (descent)/roll, degrees	35/25

TRANSPORT  
CATERPILLAR  
SNOW-MARSH  
RUNNING VEHICLE

### XT3-3H

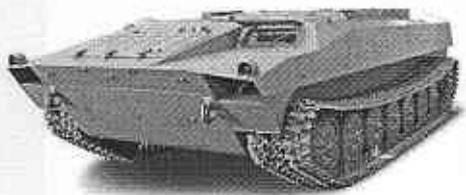


If it is necessary for you to reach in the most far places, through the snow and sand, mound and taiga, marshes and lakes, on country roads and lack of roads, moreover, - to deliver cargo or to perform works in difficulty reachable areas - vehicle XT3-3H will help you to overcome all difficulties and will provide performance of any task.

Mass, kg	10300
Load-carrying capacity, kg	2000
Mass of towed trailer, kg	4000
Crew + passengers, (people)	1+12
Outline dimensions, mm	
Length/width/height	6454/3150/1650
Ground clearance, mm	400
The engine	four stroke diesel
Power, h.p.	240
The maximum speed, km/h	
On the soil road	60
Afloat	4-6
Average specific pressure upon ground, kg/cm <sup>2</sup>	0,24
The maximum angle of ascent (descent)/roll, degrees	35/25

TRANSPORT  
CATERPILLAR  
VEHICLE

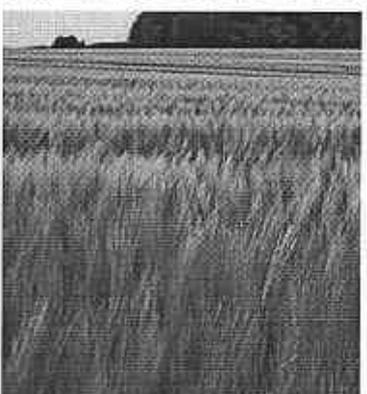
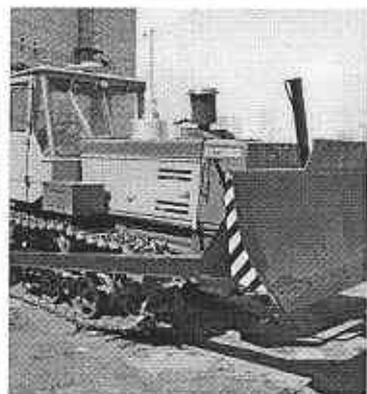
### XT3-26H



The multiple-purpose caterpillar chassis is intended for installation on it of the various equipment, including drilling, for performance of special works in the conditions of impassability in the farthest areas.

Mass, kg	11200
Load-carrying capacity, kg	4300
Outline dimensions, mm	
Length/width/height	7210/3150/1640
Ground clearance, mm	400
The engine	four stroke diesel
Power, h.p.	310
The maximum speed, km/h	
On the soil road	60
Afloat	4
Average specific pressure upon ground, kg/cm <sup>2</sup>	0,3
The maximum angle of ascent (descent)/roll, degrees	35/25

The given printing material is intended for international use. The illustrations, containing in the given edition, reflect not only standard, but also the additional equipment. Only in the price-list it is established, what is from the shown equipment included into the standard complete set and what is additional. The illustrated engineering and the additional equipment not always can correspond to local legislative requests. Observance of this conformity is the responsibility of the customer after reception of consultation of the local dealer with allowance for instructions of operation manuals. All information, containing in this brochure, is not a constant, changes of technical and commercial character, and also the changes, connected with local legislative requests can be made. Any claims, following from it, are not considered. Open Joint Stock Company 'XT3' reserves the right to make any changes to design, and also to change the list of the standard equipment at any time without the prior notification.



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