

Technical specification of tractors model UMZ-10244H / 10254H

Model	UMZ – 10244 H	UMZ – 10254 H
Type	Wheeled general purpose	
Draw bar category, ton	1,4	
Wheel drive	4x4	
Wheel track, mm. Front wheel Rear wheel	1418, 1828 1518, 2008	
Base , mm.	2442	2315
Engine:	D – 245 (MMZ, Belarus)	1104D – 44TA Tier 3 (Perkins, Great Britain)
Engine start	Electric starter	
Rated power, kWt (h.p.)	77 (105)	74,9 (102)
Crankshaft speed, rpm.	2200	
Specific fuel consumption, g/kW*h	229	225
Design speed km/h forward reverse	3,6-41,5 1,8-18,0	
Transmission:		
Clutch	Dry, double disk, independent control, dual	
Gear Box	mechanical, synchronized, 16 forward speeds and 8 reverse speeds	
Front drive axle	Beam type	
Brake	In oil pot disk type with hydraulic control	
PTO shaft	Independent three speeds	
PTO speed rps / rpm	1000, 750, 540	
Pneumatic system	One way line for trailer brakes	
Wheel drive	Front wheels guiding, both front and rear wheels driving	
Tires Front wheel Rear wheel	13,6-24 16,9-34	
Steering control	Hydrovolumic with steering control and hydrocylinder on a steering trapeze	
Rear linkage	Reinforced three point hinged four link joint, category 2/3 (option)	
Weight carrying capacity from mount axle. Kg.	3500 / 4500 (option)	
Hydraulic system	Unitized, separate unit with automatic adjustment system	
light-signal equipment	Applied modern light-signal equipment	
Cabin	modern and safe, noise and vibration resistant and more comfortable. Air conditioner (options)	

YUZHMAH
DNEPROPETROVSK
TRACTOR
PLANT



Tractors of new Model UMZ-10244H/10254H

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Agricultural wheeled tractors of new generation Model UMZ-10244/UMZ-10254H are general purpose of a Drawbar category 1.4 tons and are intended for performance of various agricultural works with hinged, semi-hinged and trailer equipment, as well as a drive of working bodies of stationary and mobile agricultural machines and excavator equipment which are applied in agricultural, municipal and a forestry and also in construction and industry.

DISTINCTIVENESS:

A modern gear box

Mechanical, synchronized, 3- range with 16 forward and 8 reverse speeds

Clutch

Double-disk, two-flow clutch origin of the leading world manufacturer of clutches LUK, having high durability, low noise level and vibrations

Engine

4 cylinder, with direct injection, with a turbo-supercharging

Front drive axle

Beam type with a drive from a gear box. Provides performance of agricultural works which are required high traction efforts

(PTO)power take off shaft

Independent 3 high-speed for 540, 750 and 1000 rpm

Power steering

Hydrovolumic with steering control and hydrocylinder on a steering trapeze. The modern design of a steering column and the board of devices are organically entered into interior of tractor cabin.

Design of a steering column provides adjustments on height and an angle of slope. On board of devices under steering wheel are located tachometre, speedometer, multipurpose switch, ignition lock, fuses box, buttons and indicators.

On separate board are fitted light indicators of voltage, fuel level, oil pressure and air pressure of a pneumatic system.

Reinforced rear linkage

Is a three point hinged four link joint, having three connecting point (spherical joint). Reinforced (hammered) demountable longitudinal rods, which are assured high reliability with heavy agricultural equipment, and also considerable facilitate re-equipment of control linkage mechanism for operation with the agricultural equipment using PTO shaft.

Hydraulic hinged system

Universal, separate and modular equipped with two hydrocylinders C-75, with automatic control system of power and position, with mixed and high-rise way of regulation and with the mechanism of fixing of control linkage in transport position.

Cabin

Is modern and safe, noise and vibration resistant and more comfortable. Fitting of doors are on middle rack. Frameless design of doors and windows assures convenience work for operator and good review around.

Air conditioner

Highly effective conditioner system (options) and heating-ventilating system are mounted under roof of a cabin assure comfort for operator in winter and summer time, air filtration and air feeding to front and rear windows of a cabin.

Seat

Comfortable spring saddle assures height and longitudinal adjustment as well as adjustment of angle of slope of a back

Operating controls

Tractor is equipped by suspended - type pedals of brakes, clutch. Free area of cab floor is considerably increased. Control levers are located in comfortable zones

light-signal equipment

Are installed modern illumination and alarm system

New exterior design

Is made from modern polymeric materials which provides compositional settlement of the modernized cabin with a new roof and rearward - hinging facing of engine of alligator type, expanders of fenders into general origin structure

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