

## Unit V.

### Agricultural Machinery.

#### Text A.

#### Tractors.

The K-700A "Kirovets" is a standard wheeled tractor. It can be used for ploughing, harvesting, harrowing and cultivation. It can also be used for snow-riding and haulage work. The K-700A has a four stroke eight-cylinder water cooled diesel engine rated at 215hp (158 KN), 1700rpm (28 rps). It has 16 forward and 8 reverse gears. Forward speeds range from 2.6 to 30 km/h (8.3 m/s).

Overall dimensions:

Length – 7400 mm

Width – 2380 mm

Height – 3650 mm

Mass – 11800 kg

The T-150K is a wheeled model of standard tractor. It is used with mounted; semi mounted and trailed machines and implements of 195 types. It can be used for ploughing, cultivating, harvesting and transporting. It has a four cylinder water cooled diesel engine rated at 80 hp (59 KN), 2200 rev/pm (37 rps) with 9 forward and 2 reverse gears. The range of forward speeds is from 5.26 to 8.97 km/h (1.5-2.5 m/s). The driver's seat is comfortable.

Overall dimensions:

Length – 3815 mm

Width – 1970 mm

Height – 2485 mm

Mass – 2900kg

I. Прочитать слова и перевести их без помощи словаря.

Tractor, cylinder, cultivator, technical, diameter, differential, disk, distance, filter, standard, starter, system, electric, hydraulics, single-cylinder engine, four-cylinder engine, twin-cylinder engine, eight-cylinder engine.

III. Выучить новые слова

To plough – пахать

To harvest – убирать урожай

To harrow – боронить

To cultivate – культивировать

Haulage work – погрузочные работы

To range from... to... - колебаться от...до

IV. Ответить на вопросы по тексту:

Is the K-700A a wheeled tractor or a crawler?

What farm work can it be used for?

Has the K-700A a four stroke eight cylinder water cooled diesel engine?

How many forward gears has this tractor?

How many reverse gears has the tractor?

What is the length of the tractor?

What is the width of the tractor?

What is the height of the tractor?

What machines is the T-150K tractor used with?

What kind of tractor is the T-150K?

V. Прочитать и выучить диалог.

- What does the tractor do in spring?
- It ploughs and harrows.
- What does it do in summer?
- The tractor cultivates in summer.
- What does the tractor do in autumn?
- It harvests in autumn.
- What can the tractor do in winter?
- In winter it can plough and ridge snow.