

Corn Thresher Model CT400-3

Product HS code for import custom use: 84335200

Thresher is usually used in the first step for harvested grain processing, the main use is to separate the crop particles and stems before the coming up processing procedure.

The Corn Thresher CT series we recommended here is a Full feeding axial flow multifunctional machine consisted of 3 working systems as threshing, selecting and separating. According to the different modes of processing, the thresher could be divided into Roller type and Hammer type with each has its own characters and advantages.

Using CT series Thresher, the threshing corn leaves and stalks can be completely put into the threshing unit, which enables a good continuance of production, a high production efficiency and extremely small losses.

Model	CT400-3 Roller type
Model Picture	
Main features	Suitable for processing fully-dried, semi-dried or fresh corn with peeled function. With advantages of small size and light weight, it's an easy movable model with easy installation and operation.
size:	500*550*920mm
Material	1.6mm steel sheet
Weight	42kgs
Spindle Speed	1400rpm/min.
Roller width	450mm
Broken rate	Max. 0.1%
Threshing rate	99% for dry corn 95% for fresh corn
Working capacity	500kgs/h for corn with leaves, 1500~2000kgs/h for dry corn
Power request	2.2KW
Price EXW WUZHOU	USD150/set (without power supply)

Working Principle:

During the machine operation, a proper quantity of corn (with or without leaves and stalks) could be constantly fed into the threshing entrance, after the high-speed rotation of rolling stick teeth and the joint action together with the guiding plate, the corn kernels will be easily separated from the corncobs. Then, corn kernel goes through the sieve holes and comes out, corncob goes to the back exit and the impurity will be blown out by inner exhaust fan.



- A. Threshing Entrance
- B. Corn kernel Exit
- C. Corncob Exit
- D. Electric motor/Diesel engine location (Motor or Engine in additional charge)

Note:

- 1) The machine should be operated only by the people whom familiar with the machine performance and in good knowledge of machine safety operation, maintenance and repair.
- 2) Before using, please make sure the machine motor/engine was well installed
- 3) Before starting, please make sure the belt system cover was well installed. Please check carefully all the machine movement parts to ensure all are well fixed and are effectively limited. The thresher should be 100% empty.
- 4) The operator shall remain at work in the operation of the machine and prevent other unrelated persons close to the machine.
- 5) It's 100% prohibited to do any cleaning, maintenance or repair if the machine is not completely stopped..
- 6) It's not allowed to use wooden sticks or iron bars to make a forced feeding. When the materials are wrapped around the feed inlet or cannot move inside the milling entrance or grinding entrance, you are requested to switch off the machine immediately before doing the cleaning
- 7) To avoid any damage of the machine components, please do not mix any stones, iron, nails and other hard objects inside the processing materials.
- 8) It's prohibited to make self- restructuring of the machine, as it will lead to machine damage or working

reliability reduction. The worst is, it might cause damage for machine operator.

Using guidance

1. Fixing the machine frame on the plain ground and install on the frame the electric motor or diesel engine.
2. Check the belt pulley system. By adjusting the belt compressing wheel, you can make the belt not too tight and not too loose.
3. Before exact processing works, please put the machine in empty running for 3~5 minutes to make sure the roller rotating in a correct direction, if not please remake the connection of the motor or engine line..
4. After the motor/engine starts, please put on the roller operating lever, you could feed in the Crops when the roller rotating speed reaches the requirement.
5. In case you need a terminal of the machine during the processing, please stop feeding and put down the roller operating lever and wait till the threshing finished before actual stop of the machine.
6. A continuous, uniform and a proper quantity of feeding Crops will be helpful for the machine good performance.
7. The machine operator could adjust the feeding quantity flexibly following the working condition of the machine.

Maintenance

1. Make regularly check on all the fastening parts and belts to avoid any loose or damaged.
2. The machine components, if any damage, please change as soon as possible to allow a good performance of the machine.
3. Normally each 6 months the bearing system should be cleaned and greased.
4. Every day after using, please clean the machine by removing the dust and impurities. Then move the machine indoor and cover it by plastic fabric(moisture-proof).
5. If the machine will be stopped for a long time, please clean and grease the machine and cover it for storage in a dry cool place.

Power supply Options

"China Yangxiao" Electric Motor	"China Changchai" Diesel Engine
	
Model YL-100L-2 (Induction motor)	Model R175B
220V/50Hz, 3.8KW/5.2HP	Horizontal, Single cylinder, water cool, 4-stroke
Spindle Speed 2800rpm/min.	Spindle Speed 2600rpm/min., 4.85KW
1set/20kgs/carton, 40*24*27cm/carton	1set/60kgs/carton, 58.9*34.2*46.5cm
	Diesel consumption: Max. 281.5g/KW.h
Remark: Same model but 5KW, same price.	Starting mode: Manual
	Oil tank: 4L Lubricating oil tank: 2L
	Cooling water tank: 6L