

COT0.35 TILTING BARREL FORK LIFT

INSTRUCTION



NOTE: Please read this instruction before your operating the stacker

Thank you for choosing our fork lift. For your safety and correct operation, please carefully read the manual before use.

1. Feature of product

1.1 Model of meaning

① COT0.35

COT: hand lift & hand turn; 0.35: load capacity: 350kg

② CDT0.35

CDT: electric lift & hand turn; 0.35: load capacity: 350kg

1.2 The main function and structural feature

1) Hand/electric tilting barrel fork lift is used to move, stack, lift and pour the barrel cargo. It is common in the factory, warehouse, dock and so on. The efficiency will improve by it. It is fit for working on the smooth and solid road.

2) The body of the fork lift use the high quality steel plate, one-piece molding, beautiful designed,

sturdy and durable. The rack designed with compact and precision, short turning radius, excellently suitable for use in small confined space.

3) Tilting barrel fork lift lift cargo by hand hydraulic pump. Electric barrel fork lift is a collection of motor, oil box and control system. the feature of it is compact, lightweight and free maintenance.

4) Tilting barrel fork lift lift turned by hand. Electric barrel fork lift turned by direct current motor, Positioning accuracy if it is turned. Matching worm reducer. It have the preventing turning and self lock mechanism.

5) The control mode of the electric tilting barrel fork lift is pushing rod. The lowing speed is flexible and convenient control.

1.3 Technologic data

Parameter \ Model	COT0.35	CDT0.35
Max. lifting height(mm)	1400	1400
Loading capacity(kg)	350	350
Diameter of the barrel	$\leq \Phi 600$	$\leq \Phi 600$
Overall dimension(mm)	1190X890X2000	1190X890X2000
Lifting speed of no-load(mm/s)		100
Lifting speed of full load(mm/s)		80
Lower speed	Adjustable	Adjustable
Electric power(V/W)		DC12/1600
Battery charger (V-Ah)		12-100
Weight (kg)	155	350

2. Operating

1) When the tilting barrel fork lift rises up, firstly, tighten the handle, operate the pedal then can be up. When down, loosen the handle. The more turns, the faster speed. The max down speed is adjusted when left factory, the users do not adjust.

6) Storage battery is the most important among maintenance, because it is related with the cost of service life. If maintenance not good, that will result in short service life, and also cost increased. On the contrary, that will let the cost be lowest. Therefore, battery maintenance should be cautious. It is the best for professional staff to take control.

The maintenance points are as below:

- Check the battery terminal if has damage, loose. In order to be oxidizable, maintenance staff should add the grease on it.
- Battery liquid should be kept 15-20mm on the plate.(Be subject to tip line of battery outside liquid level), when less, distilled water should be added in.
- Acid battery liquid is prohibited, and also the purified water. Do not let the battery liquid be lower than plate, or tinplate that exposed in the air will get too hot and fall, so it will result in short service life.
- Adding distilled water should not be too high, or it will let battery liquid overflow when operating or charging.

Note: When charging, flame is not allowed to close the car, or it will result in explosion.

- 2) When the oil drum turns, firstly, stop brake equipment. Then make the upper grip to tighten upper oil drum. Secondly, when rises up the oil drum a little high, meanwhile, let the bottom grip to tighten bottom of oil drum. Stop when up to be turn position. Finally, operate the rolling-over, you can control to move forward or turn the oil drum.
- 3) Making oil drum down to be lowest when moving in order to make sure safety.
- 4) When the battery power is not enough (it shows just only 3 lines) please charge immediately. Do not operate when charging.

3. Guide to Safe Operation

- 1) Personnel without training don't operate the tilting barrel fork lift.
- 2) Checking the tilting barrel fork lift before use it. Is the battery power enough (it shows more than 3 lines) or not? The working of the pulley, chain, front / rear wheel and each fasteners (bearing, pin, and rand) is dependable or not. Adjusting the screw of the plum blossom handle if it isn't hard up, in order to confirm the clamp force of the upper grip is enough. Then lock the the nut under the screw.
- 3) The weight of the cargo can not exceed the max. fork weight.
- 4) Persons can not stand on/under the barrel.
- 5) Don't touch the upright frame when the barrel is lifting. In order to preventing injuries. Operator must put the brake before turning the barrel.
- 6) Don't move the tilting barrel fork lift when the barrel is on high. Pay attention to the protective measures.
- 7) Operator shall cautiously operate under special circumstances or at special places.
- 8) Please clock the swith and take the key away with operator when you leave.
- 9) Forbid using the titling barrel fork lift in the place of flammable and explosive.

4. Charging guidelines

- 1) When the battery power is not enough (it shows just only 3 lines) please charge immediately. The time of charging is 8~10 hours. Don't charge long time.
- 2) The voltage of charging power is AC 220V with ground protection.
- 3) Checking the battery fluid before charging or using. Complemented by distilled water or clear water when the battery fluid is not enough.
- 4) The place for charging is droughty and no flammable and explosive goods, no spark.
- 5) Still charging every week even if you don't use it in long time. The time is more than 2 hours every time.
- 6) Check the battery fluid every fifteen days.
- 7) Lifting/down 150 times in full load when it is charged enough.

5. Maintenance

- 1) The good maintenance will reduce wastage and operating cost.
- 2) The qualified technician operate the maintenance and repairs.
- 3) Prior to the safe of the operator when the operator maintain or repair. Can not have dangerous actions. Don't mock noise when you are working, in order to avoiding influence the operator.
- 4) The working place is fit for the equipment with fire protection and ventilator.
- 5) The repairman must be careful to do every item, in order to avoid unnecessary loss and hurt.