Overall width	b_1(mm)	685
Fork dimension	s/e/l(mm)	53/160/1150(1220)
Fork width	b_5(mm)	520/550/685
Wheelbase ground distance	h_1(mm)	32/22
Aisle width for pallet 1000x1200 crossways	Ast(mm)	2102/2184
Aisle width for pallet 800x1200 lengthways	Ast(mm)	2005/2035
Turning radius	*Wa(mm)*	1347/1415
Travel speed, laden/unladen	Km/h	4/4.5
Lift speed, laden/unladen	mm/s	30/45
Lower speed, laden/ unladen	mm/s	80/37
Max. gradeability, laden/unladen	%	3/10
Drive motor power	KW	0.9
Lift motor power	KW	0.8
Battery voltage/rated capacity	V/Ah	24/80
Battery dimension（LXWXH）	mm	260/169/215
Battery weight	Kg	49
Service weight	Kg	250
Traveling brake		electric
Noise level at operator's ear, according to DIN12053	dB(A)	70

3. Truck Operation

Fork lift

- Turn on the key switch and pull up emergency stop switch.
- Figure (3), press on the lifting button, fork lifts.

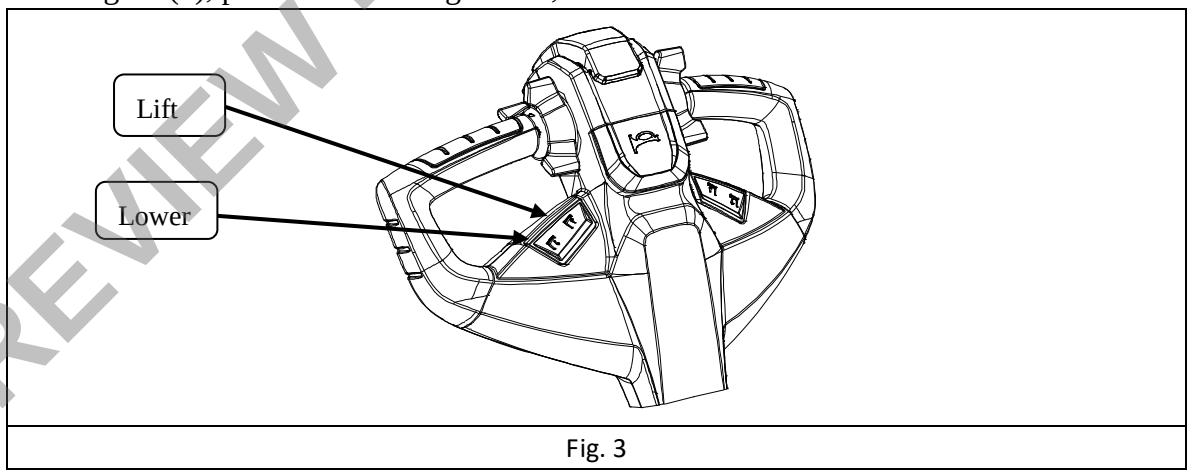


Fig. 3

Fork lower

See Figure (3); press on the lowering button, fork lower/fall.

Pallet truck travel

- Turn on the key switch and pull up emergency stop switch.
- Rotate the accelerate knob, make the direction same as the truck movement, see Fig. 4 below.

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- Turn off the key switch and emergency stop switch, connected charge cable with the charging socket and then connected with the plug and power socket to start charging.
- When the green pilot light of the charger turns on, it indicates that the battery is fully charged and in that case, the connecting cable can be pulled out.

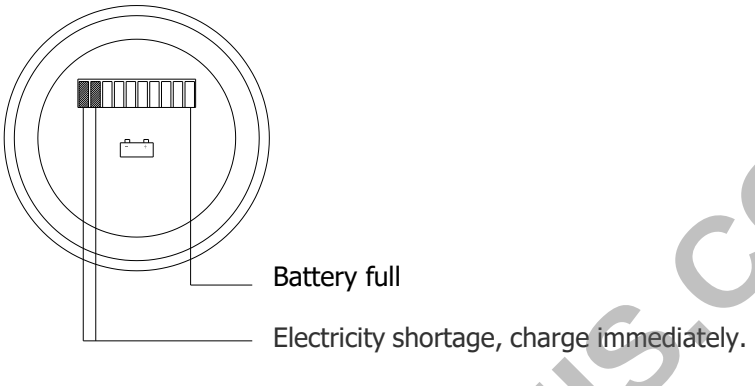


Fig.7

- If the battery is completely discharged, full charging must be conducted (about 12h).
- After discharging, the storage battery cannot be placed for a long time and charging should be conducted as soon as the battery is discharged.
- When the truck is not in operation, the electric lock and emergency stop switch must be pulled out and one supplementary charging must be conducted every five months during the period when the truck is in storage.
- It is strictly prohibited to open the storage battery air vent valve; otherwise, poor sealing will be caused and the capacity and service life of the battery will be affected.

5. Maintenance

5.1 To ensure the forklift is able to operate satisfactorily depends on careful and complete maintenance.

- When maintenance is neglected, human safety may be endangered and property may be damaged. When the truck is in operation, daily inspections should be conducted and malfunctioning trucks should be taken out of service until fixed. Do not operate forklift with issues to ensure safety and prolong the service life of the forklift.

5.2 Maintenance:

- The maintenance of the forklift is usually divided into three levels, routine maintenance, level (1) maintenance and level (2) maintenance.
- Daily maintenance: Once every shift. The main content is to keep the truck surface clean and examine the power supply cable for damage.
- Level (1) maintenance: Once every week. The maintenance contents, besides the contents of daily maintenance, should confirm the operation of the systems are normal, if the fasteners are loose, if there is any oil leakage, if there is any abnormal wearing in mechanical components, if there are abnormal temperature rise or sparks in electric equipment, etc. Maintenance by an authorized technician should be conducted if any abnormal situations are discovered.
- Level (2) maintenance: It should be conducted periodically and overall inspection should be conducted according to following requirements:
- a. Mechanical maintenance should be conducted every 6 months. The main contents are to replace lubricating oil for the transmission gear and bearing of the drive wheel, apply

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6. Common faults and trouble shooting

The table below provides some common failures of the truck in operation and the trouble shooting：

No.	Faults	Analysis of Cause	Trouble shooting
1	Hydraulic oil leakage	1. oil seal failed. 2. slight damage or wear on the surface of some components. 3. Loose connection.	1. Replace the oil seal 2. Replace the damaged components 3. Re-tighten the connection
2	Fork does not lift	1. Too great viscosity of hydraulic oil or it has not been injected. 2. Foreign matter in the oil. 3. Hydraulic power unit is damaged.	1. Replace hydraulic oil 2. Remove the foreign matter in oil or replace hydraulic oil 3. Replace the hydraulic power unit
3	Fork does not lower	1. Solenoid valve coil of hydraulic power unit is damaged. 2. Solenoid valve of hydraulic power unit is blocked.	1. Replace the solenoid valve coil; 2. Clean the oil line of the solenoid valve;
4	The motor is unable to operate	1. Power supply switch has not been turned o. 2. Battery has completely discharge. 3. Brake has not been release. 4. Contactor cannot work. 5. Fuse burns out.	1. Insert key and turn on power supply 2. Charging 3. Examine the stroke switch on the lever if it is pressed because of collision and if the braking switch has been reset. 4. Replace the contactor. 5. Replace the fuse.
5	The charger is unable to charge	Damaged charger	Replace the charger

7. Treatment of waste materials

The waste/used batteries and hydraulic oil should not be placed carelessly and must be treated according to the relevant local regulations and laws. Attention must be paid to environmental protection.

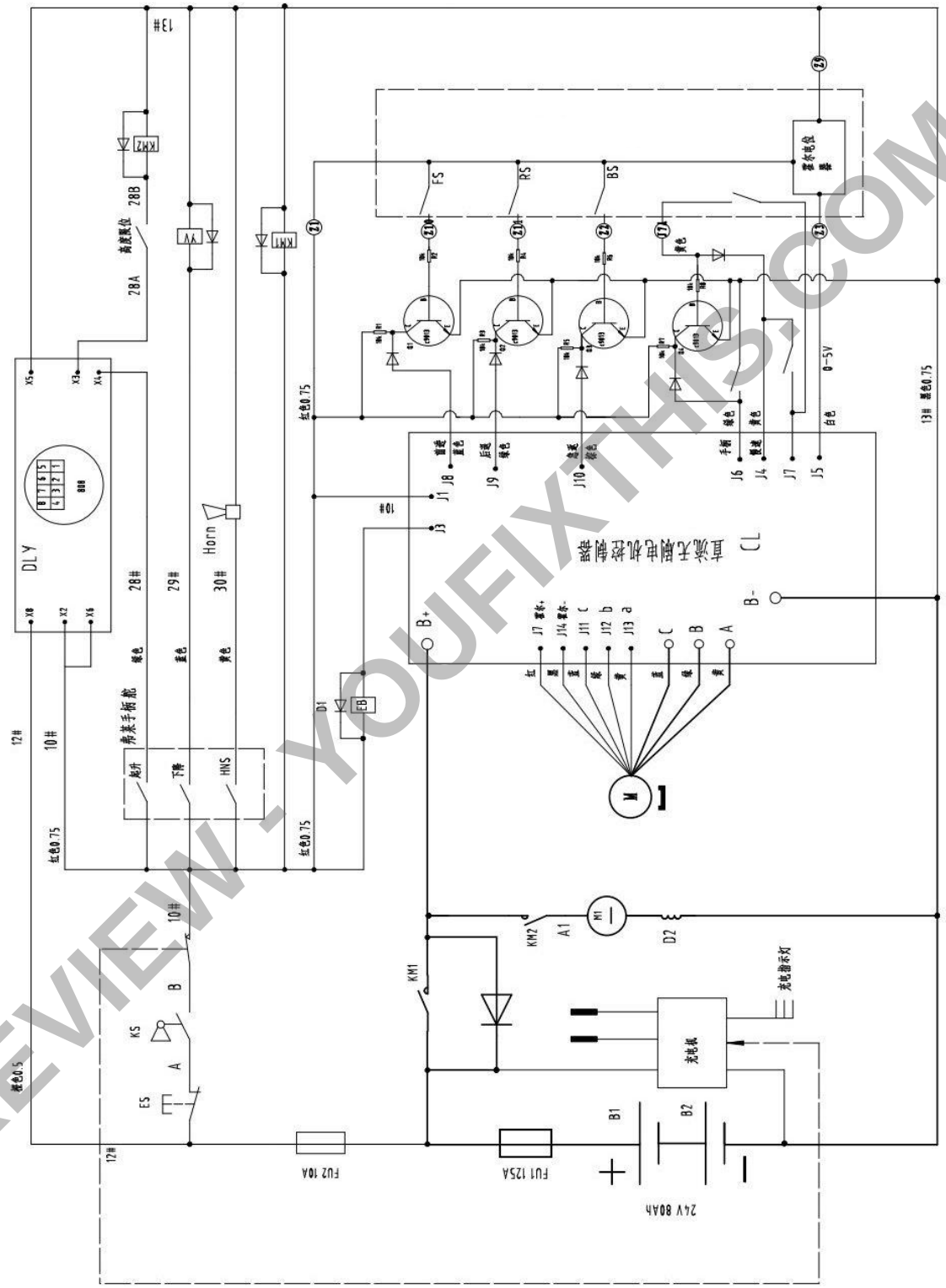
8. Accessories, spare parts

No.	Name	Application	Model and specification	Quantity	Remark
1	Key to the key switch	Ignition control		2	
2	Fuse	Electric system	10A	1	
3	Fuse	Electric system	125A	1	

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9. Electrical schematic diagram.



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10. Packing list

Packing List of A3B5 electric pallet truck

Consignee: Ex-work No.:

Contract No.: Ex-work Date:

No.	Name	Q'ty	Net weight (kg)	Dimension (L×W×H)	Remarks
1	A3B5 electric pallet truck	1			A complete set
2	Accessory box	1			Technical documents, accessories and spare parts.

Note: 1. The following documents are in the file bag:

① Operation manual of A3B5 electric pallet truck 1 volume
② UT20WE parts catalogue 1 volume
③ Qualification certificate 1 copy
④ Packing list 1 copy

2. Accessories and spare parts

No.	Name	Use position	Type & specification	Quantity	Remarks
1	Key to key switch	Ignition control		2	
2	fuse	Electrical System	10A	1	
3	fuse	Electrical System	50A	1	

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