PNL Series

Belt Conveyor

Date: Jul, 2018 Version: Ver.B (English)





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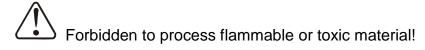
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1. General Description

Please read this manual carefully before using this machine in order to operate correctly against any damage caused due to improper operation.



Shini manufactures four types of belt conveyor under technical license from a leading European manufacturer.

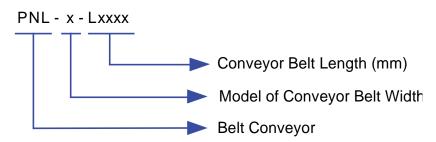
PNL series conveyor feature reliable performance and ease of operation and are suitable for use with CB or SV series conveyor or as stand-alone units.



Model: PNL-2



1.1 Coding Principle



1.2 Feature

- Mounted on patented "FUTURE" floor stand.
- PVC belt is adopted for smooth and efficient conveying.
- Height adjustable floor stand. PNL series has angel adjustable function with a range of 0° ~ 25°.
- Sidewalls for PNL series are 75 mm respectively.
- Maximum loading capacity of C PNL series is 56kg.
- Standard with frequency converter, the normal application and safety speed control of the conveyor are within 3~6m/min.
- PNL series can optionally material fence to facilitate regrind conveying.
- Power supply for PNL series are 1Φ, 230VAC, 50/60Hz.



All service work should be carried out by a person with technical training or corresponding professional experience. The manual contains instructions for both handling and servicing. Chapter 6, which contains service instructions intended for service engineers. Other chapters contain instructions for the daily operator.

Any modifications of the machine must be approved by SHINI in order to avoid personal injury and damage to machine. We shall not be liable for any damage caused by unauthorized change of the machine.

Our company provides excellent after-sales service. Should you have any problem during using the machine, please contact the company or the local vendor.

Headquarter and Taipei factory: Tel: (886) 2 2680 9119

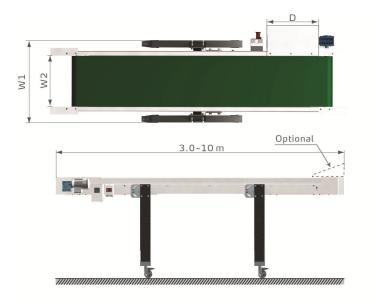
Shini Plastics Technologies (Dongguan), Inc: Tel: (86) 769 8111 6600

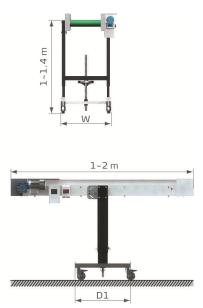
Shini Plastics Technologies India Pvt.Ltd.: Tel: (91) 250 3021 166



1.3 Technical Specifications

1.3.1 Dimensions





Picture 1-1: Dimensions

Table 1-1: D	imensions List
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Model	PNL-1	PNL-2	PNL-3	PNL-4	PNL-5	PNL-6	PNL-7	PNL-8
W (mm)	440	520	590`	720	820	1020	1220	1420
W1 (mm)	450	530	600	730	830	1030	1230	1430
W2 (mm)	220	300	370	500	600	800	1000	1200
D (mm)	500	500	500	500	500	500	500	500
D1 (mm)	650	650	650	650	650	650	650	650
Weight (kg)	93	100	106	117	126	143	160	180

We reserve the right to change specifications without prior notice.



1.4 Safety Regulations

To avoid any body injures and damages of the machine, please obey the regulations in this manual. When operating this machine, please obey the regulations as follows.

1.4.1 Safety Signs and Labels



Electrical installation should be done by qualified electricians. Turn off the main switch and control switch before servicing and maintenance.



Warning!

The sound level produced by the machine is < 70dB (max) at the position of the operator.



Notice:

Noise level test refers to the following conditions: 1m around the machine, 1.6m above the machine.



Warning!

- 1) Don't use the machine and don't try to repair it before carefully read this manual and understood all its parts completely.
- In particular, it is important to adopt the precaution listed in section a 'safety instruction'.
- 3) It is forbidden to use the machine in any condition or for any use different from what is indicated in the manual. SHINI has no responsibility for breakdowns, trouble, or injuries caused by improper operation.



Attention!

No need for regular inspection because all the electrical parts in the control unit are fixed tightly!



Attention!

The maximum weight of the pieces to be carried on the conveyor belt must not be over 56kg in total (Conveying capacity is less than 56kg as the set value of the regulator is smaller than 4.5m/min).

The conveyor belts are not suitable to transport loose material.



Attention!

These conveyor belts can be easily used by all of the personnel of the plant they are installed in, and they do not present any risk for the operator, if used properly.

Therefore, it is recommended to read the manual carefully before using the machine.



Attention!

SHINI claims no responsibility when:

- 1) Use of the conveyor belt is in any way openly opposed to what is indicated in the present instruction manual.
- 2) There are feeding defects.
- 3) There is a serious deficiency of the foreseen maintenance.
- 4) Non-authorized changes are adopted.
- 5) Spare parts that are non-authorized or not suitable for the actual model are used.
- 6) There are exceptional events. Please don't disassemble the protector sponge and quick tube & nip in the outlet of collecting material box.



Danger!

Risk of fire: Risk of fire is present whenever the conditions of the conveyor belts are not suitable for the operation they are used for (in particular: temperature of the pieces carried). Adjust the condition of the conveyor belt according to the table shown here below.



Risks of high temperature: These conveyor belts are designed for transporting molded parts, i.e. hot pieces. If you need to operate on the



conveyor belt, use safety gloves (in particular where the parts fall on the belt).

Type of belt	Max. temp. of parts
PVC	60 ℃



Attention!

The packing material must not be left around, and it must be disposed of according to the regulations in force. It is possible to lift the conveyor with a fork lift.



Danger!

To protect the operator's safety, and the integrity of the machine, assure the stable lifting of the conveyor. Once the conveyor belt is running, it is necessary to fix the machine by locking the castors. Moreover, suitable slings or fixtures must be attached, to keep it steady during transportation.

1.5 Exemption Clause

The following statements clarify the responsibilities and regulations born by any buyer or user who purchases products and accessories from Shini (including employees and agents).

Shini is exempted from liability for any costs, fees, claims and losses caused by reasons below:

- 1. Any careless or man-made installations, operation and maintenances upon machines without referring to the Manual prior to machine using.
- 2. Any incidents beyond human reasonable controls, which include man-made vicious or deliberate damages or abnormal power, and machine faults caused by irresistible natural disasters including fire, flood, storm and earthquake.
- 3. Any operational actions that are not authorized by Shini upon machine, including adding or replacing accessories, dismantling, delivering or repairing.
- 4. Employing consumables or oil media that are not appointed by Shini.

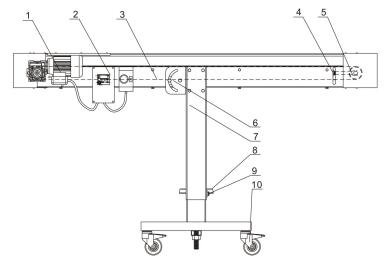


2. Structural Features and Working Principle

2.1 Function Description

PNL series conveyor feature reliable performance and ease of operation and are suitable for use with CB or SV series conveyor or as stand - alone units.

2.1.1 Working Principle



Parts name:

1. Gearmotor2. Frequency converter3. PVC belt4. Adjusting screw nut5. Plug in screw6. Adjusting board7. Base8. Driving wheel9. Star knob

10. Castor with brake

Picture 2-1: Working Principle

The conveyor belts of this series are made up of:

Equipped with 4 brake castors (10) base (7), the conveyor belt can be easily moved to the working area. The conveying rotor located on the top end is directly connected to the gear motor (1). The standard frequency converter (2) can adjust the speed of conveyor belt. The middle position and tightness level of the conveying belt can be changed by adjusting the nut (4) connected with the cross head screw (5). In addition, the conveying belt is connected with the support, so it can change the tilt angle by adjusting the screws on the two adjusting hole of the adjustable plate (6).



Generally speaking, the operator will stand at the conveyor top end (discharging area), and the controlling parts are located here as well.



3. Installation Testing

Read this chapter carefully before installation, Must observe the installation steps as follows!

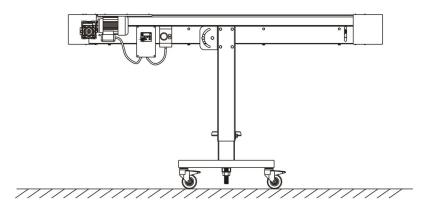


The connection of the power supply should be done by qualified electricians only!

3.1 Attention

- 1) Verify that the power supply corresponds to the specifications of the plate near the controls of the conveyor.
- 2) Connect the power cable and the PE wire accroding to the local regulations.
- 3) Use independent power cable and switch, Make sure that the diameter of the cable is not smaller than the cable used in the control box.
- 4) The connection end of the power cable should be safely and tightly.
- 5) This series power adopts single phase power, power (L, N) live wire, null line and earth wire (PE).
- 6) Power supply requirement:
 Main power voltage: ±5%
 Main power frequency: ±2%
- please refer to electrical drawing of each mould to get the detailed power supply specifications.

3.2 Horizontal Installation



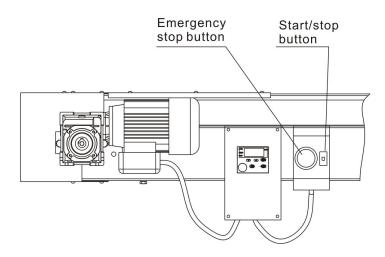
Picture 3-1: Horizontal Installation



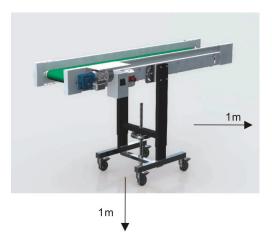
Conveyor don't require any particular preliminary operation before starting-up. With reference to the layout of the cables, make sure that they are protected against damage and that they don't hamper the operators.

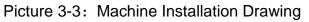
3.3 Power Connections

The wire of the horizontal belt conveyor, speed regulator and motor protector should be connected strictly comply with the wiring diagram.



Picture 3-2: Power Connections





Attention: Machine should be kept 1 meter away from Inflammable.



4. Operation

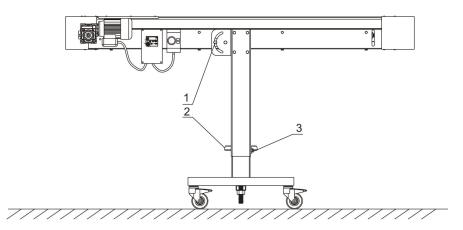
4.1 Adjustment of the Height of the Conveyor

Loosen the plum flower screw (3), turn the rotation wheel (1), adjust conveyor to demand height, then tighten the plum flower screw (3).

When adjusting the height, please use the jack or support the conveyor as to prevent human or machine damage.

4.2 Adjusting Adjustor Panel

Loosen the lockup adjusting screw (2) to adjust the conveyor belt to the required height, and then tighten the screw again (2).



Picture 4-1: Conveyor Belt Adjusting Drawing

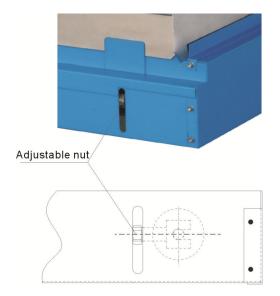
Adjustable gradient is 0°~25°!

If the screw does not locked after adjusting the conveyor belt, the conveyor belt will lost it's balance!

4.3 Adjusting the Central Postion of the PU Belt

Rotate this nut to adjust the central space of the PU Belt





Picture 4-2: PVC Adjusting Drawing



Danger!

To check the proper centering it is necessary to make the machine run. However, the adjustment must be done when the machine is stopped, and then the belt must be made to run only for the time necessary to verify its proper centering.



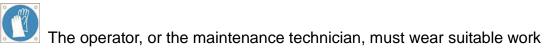
Attention!

On a monthly basis verify that the external temperature of the motor and gearbox is not too high (it should be between 60 and 20°C). In case it is different, contact the technicians at SHINI directly.



Attention!

- 1) The maximum weight of the pieces to be carried on the conveyor belt must not be over 56kg in total(Conveying capacity is less than 56kg as the set value of the regulator is smaller than 4.5m/min)..
- 2) Not suitable to transport loose material.
- 3) The maximum resistant temperature of PU belt is $60^{\circ}C_{\circ}$





clothes, without free parts. They must not wear chains, bracelets, or other objects which may be caught by mechanical parts in movement. In case of long hair, special hairnets must be used, to aviod the risk of being caught.



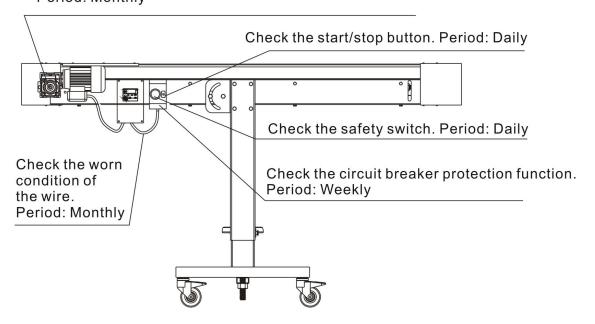
5. Trouble Shooting

Failures	Solutions
Connect the power, rotate the motor protector knob and turn on the RUN / STOP switch of the speed regulator, the motor doesn't run.	 Check the circuit according to wiring diagram, the possible reasons can be as follows: a: The power is failure. b: The circuit is disconnected. c: The motor protector is damaged. d: The motor is failure.
The circuit breaker often trips off.	 Check the circuit according to wiring diagram, the possible reasons can be as follows: a: The setting value of the breaker was too low, adjust the value to 1.1 times of the current one. b: Short circuit may exist. c: The motor protector is damaged. d: The motor is failure.



6. Service and Maintenance

Check whether there is oil leakage of the gear motor. Period: Daily The lubricate oil in the gear box should be replaced after it has been run 400hr at the beginning, and after that the oil replacing periods is about 4,000hr. The lubricate oil in the gear motor must be sufficient. Replenishment or renewal must be done when there is oil leakage or lube degeneration. Period: Monthly



6.1 Repair

To avoid any body injury and damage of the machine, all of the repair work should be done by professional person only.

It is the duty of the operator to keep the machine clean from foreign matter, such as deposits, oil, or other materials. So it is necessary to clean the machine at the end of every working shift. This must be performed when the machine is stopped, in stable starting of the machine.

6.2 Maintenance

6.2.1 Maintenance of the Gear Motor

Check if the reduced gears box is oil leaking and it should be examined periodicity. When you find that the oil is reduced or the colour of it changed dark



and black, you must complement it or replace it immediately. Please be noticed that keep the surface of the gear motorcleaning. Move away the dust and the contamination in time so as to keep a good distribute of the heat.



Picture 6-1: Gear Motor

Danger: Operating temperature range of gear motor is: 20° -60 °C.

6.2.2 Clearance of the Machine

Please keep the machine clean from foreign matter, such as deposits, oil, or other materials. Do the cleanly work everyday.

It is forbidden to use flammable liquids during the cleaning operation. Periodically check the status of the PU belt, and replace it, if necessary. Once the machine has been cleaned, the operator must check for worn out or damaged parts (in which case, he must replace it immediately),or for parts which are not firmly fixed (in which case, he should fix them, if this is possible).



The machine protection and safety devices must not be removed, unless a specific repair and/or maintenance action is required. These protections must be put back as soon as the reason for their removal has disappeared, in any case, they must be installed before starting the machine.



If using compressed air, the operator must wear safety glasses, and make sure that nobody is near the machine, because they may be hit by materials and dust.



6.2.3 Lubricate the Bearing

On a monthly basis lubricate the two supporters near the unloading area of the conveyor, below the protection cover, as indicated by the drawing.



Picture 6-2: Bearing Lubricate Brawing

Stop the machine and unplug the power supply before doing the repair or maintenance work.

	SHINI
6.3 Maintenance Schedule	
6.3.1 About the Machine	
Model SN Manufacture date	
VoltageΦV Frequency Hz Power	kW
6.3.2 Check After Installation	
 Check if the body of the machine installated horizontal Check for eventual leaks of lubricant from the reduction gear Check the status about the PU belt 	
Electrical installation	
Voltage V Hz	
6.3.3 Daily Checking	
Check the switches of the machine.	

- Check if the reduction gears is oil leaking leaking.
- Check the function of the safety switch.

6.3.4 Weekly Checking

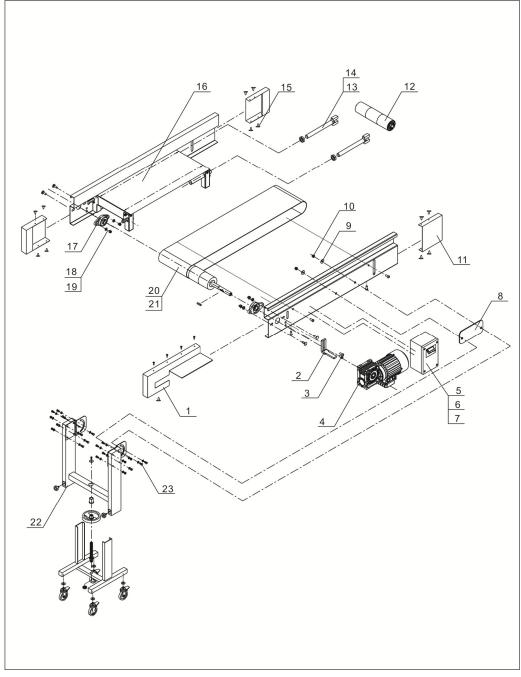
Check all the electrical wires.

Check the protection function of the breaker.



7. Assembly Drawing

7.1 Assembly Drawing



Note: Please refer to material list 7.2 about the parts code.



7.2 Parts list

Na	News		Part No.	
No.	Name	PNL-1	PNL-2	PNL-3
1	End cover 2	BL56000042020	BL56000042020	BL56000042020
2	Motor holder	BL56000000420	BL56000000420	BL56000000420
3	Hexagon screw bolt	YW60082500300	YW60082500300	YW60082500300
4	Gear motor	YM50406000300	YM50406000300	YM50406000300
5	Frequency converter shell	BL56000240020	BL56000240020	BL56000240020
6	Frequency converter cover	BL56000140020	BL56000140020	BL56000140020
7	Frequency converter	YE75044300600	YE75044300600	YE75044300600
8	Holder pad	BL56004300020	BL56004300020	BL56004300020
9	Gasket	YW66122400000	YW66122400000	YW66122400000
10	Star screw nut	YW64012100000	YW64012100000	YW64012100000
11	End cover 1	BL56000041020	BL56000041020	BL56000041020
12	Iron stick	YW08010600600	YW08020600600	YW08030600600
13	Butterfly screw	BH10401101140	BH10401101140	BH10401101140
14	Hexagon thin nut	YW64200100000	YW64200100000	YW64200100000
15	Hexagon self-tapping screw	YW66061210000	YW66061210000	YW66061210000
16	Conveying belt assembly map	-	-	-
17	Bearing block parts	YW11205100100	YW11205100100	YW11205100100
18	Flat gasket	YW66122400000	YW66122400000	YW66122400000
19	Star screw nut	YW64012100000	YW64012100000	YW64012100000
20	Conveying belt	YR00120000200	YR00220000200	YR00320000200
21	Conveying wheel	YW08010100300	YW08020100300	YW08030100300
22	Exploded view of pedestal	BL56110020021	-	-
23	Hexagon screw bolt	YW60122500100	YW60122500100	YW60122500100
No.	Name		Part No.	
NO.	INAIIIC	PNL-4	PNL-5	PNL-6
1	End cover 2	BL56000042020	BL56000042020	BL56000042020
2	Motor holder	BL56000000420	BL5600000420	BL5600000420
3	Hexagon screw bolt	YW60082500300	YW60082500300	YW60082500300
4	Gear motor	YM50406000300	YM50406000300	YM50406000300
5	Frequency converter shell	BL56000240020	BL56000240020	BL56000240020



6Frequency converter coverBL5600140020BL56000140020BL560001400207Frequency converterYE8020000100YE8020000100YE80200001008Holder padBL56004300020BL56004300020BL560043000209GasketYW66122400000YW66122400000YW6612240000010Star screw nutYW64012100000YW64012100000YW6401210000011End cover 1BL5600041020BL5600041020BL560004102012Iron stickYW0801801800YW0805060600YW0950280000013Butterfly screwBH10401101140BH10401101140BH1040110114014Hexagon self-tapping screwYW660210000YW64020100000YW640201000015Hexagon self-tapping screwYW66122400000YW66122400000YW6612240000016Conveying belt assembly map17Bearing block partsYW11205100100YW11205100100YW1120510010018Flat gasketYW66122400000YW66122400000YW6612240000020Conveying beltYR0042000400YW0602500100YW6012250010021Conveying wheelYW0804100300YW60122500100YW6012250010022Exploded view of pedestal23Hexagon screw boltYW6002200BL5600004202024Motor holderBL5600040200BL56000042023Hexagon screw boltYW60082500300YW601225001004Gear motorYM5040600300YM504060							
8Holder padBL56004300020BL560043000209GasketYW66122400000YW66122400000YW6612240000010Star screw nutYW64012100000YW64012100000YW6401210000011End cover 1BL5600041020BL5600041020BL5600004102012Iron stickYW08041801800YW0805060600YW0950280000013Butterfly screwBH10401101140BH10401101140BH1040110114014Hexagon thin nutYW66061210000YW64200100000YW6406121000015Hexagon self-tapping screwYW1205100100YW11205100100YW1120510010016Conveying belt assembly map17Bearing block partsYW11205100100YW11205100100YW1120510010018Flat gasketYW66012100000YW660122400000YW66012240000019Star screw nutYW64012100000YW64012100000YW6002200020020Conveying beltYW08040100300YW08050100300YW080610030021Conveying wheelYW0802200100YW60122500100YW6012250010022Exploded view of pedestal70Reagon screw boltYW60082500300YW6008250030071End cover 2BL5600040202BL560004020272Motor holderBL56000140020BL5600014002073Hexagon screw boltYW60082500300YW6008250030074Gear motorYM5040600300YM5040600300 <t< td=""><td>6</td><td>Frequency converter cover</td><td>BL56000140020</td><td>BL56000140020</td><td>BL56000140020</td></t<>	6	Frequency converter cover	BL56000140020	BL56000140020	BL56000140020		
9GasketYW66122400000YW66122400000WW6612240000010Star screw nutYW64012100000YW64012100000WW6401210000011End cover 1BL5600041020BL5600041020BL560004102012Iron stickYW08041801800YW08050600600YW0950280000013Butterfly screwBH10401101140BH10401101140BH1040110114014Hexagon thin nutYW66061210000YW64020100000YW640201000015Hexagon self-tapping screwYW66061210000YW66061210000YW640201000016Conveying belt assembly map17Bearing block partsYW1205100100YW11205100100YW1120510010018Flat gasketYW6401210000YW66122400000YW6401210000019Star screw nutYW064021200000YW66022000200YR06200020020Conveying wheelYW0804010300YW08050000200YW06012250010021Conveying wheelYW60122500100YW60122500100YW6012250010022Exploded view of pedestal </td <td>7</td> <td>Frequency converter</td> <td>YE80200000100</td> <td>YE8020000100</td> <td>YE80200000100</td>	7	Frequency converter	YE80200000100	YE8020000100	YE80200000100		
10Star screw nutYW64012100000YW64012100000YW6401210000011End cover 1BL5600041020BL56000041020BL5600004102012Iron stickYW08041801800YW0805060600YW0950280000013Butterfly screwBH10401101140BH10401101140BH1040110114014Hexagon thin nutYW64200100000YW64200100000YW6420010000015Hexagon self-tapping screwYW66061210000YW6402010000YW640201000016Conveying belt assembly map17Bearing block partsYW1205100100YW11205100100YW120510010018Flat gasketYW6401210000YW66122400000YW6612240000019Star screw nutYW06402100000YW66022000200YR06200020020Conveying beltYW0840100300YW08050100300YW080601030021Conveying wheelYW0804100300YW60122500100YW6012250010022Exploded view of pedestal23Hexagon screw boltYW60122500100YW60122500100YW60122500100NoNamePNL-7PNL-81End cover 2BL56000042020BL560000420202Motor holderBL56000042020BL560000420203Hexagon screw boltYW60082500300YM504060003004Gear motorYM5040600300YM50406003005Frequency converter shellBL56000140020BL56001400206	8	Holder pad	BL56004300020	BL56004300020	BL56004300020		
11End cover 1BL5600041020BL5600041020BL560004102012Iron stickYW08041801800YW0805060000YW0950280000013Butterfly screwBH10401101140BH10401101140BH1040110114014Hexagon thin nutYW6420010000YW6420010000YW642001000015Hexagon self-tapping screwYW66061210000YW66061210000YW6606121000016Conveying belt assembly map17Bearing block partsYW11205100100YW11205100100YW1120510010018Flat gasketYW66122400000YW66122400000YW6612240000019Star screw nutYW6401210000YW64012100000YW660200020020Conveying beltYW06402100000YW08050100300YW0806010030021Conveying wheelYW60122500100YW6002200100YW6002250010022Exploded view of pedestal23Hexagon screw boltYW60022500100YW60022500100YW6012250010070End cover 2BL56000042020BL56000042020E23Hexagon screw boltYW60082500300YW600825003004Gear motorYM5040600300YM50406003005Frequency converter shellBL56000240020BL560001400206Frequency converter shellBL5600240020BL560001400207Frequency converter shellBL5600140020BL56004300208Holder padBL56000240020BL560043000209 </td <td>9</td> <td>Gasket</td> <td>YW66122400000</td> <td>YW66122400000</td> <td>YW66122400000</td>	9	Gasket	YW66122400000	YW66122400000	YW66122400000		
12Iron stickYW08041801800YW08050600600YW0950280000013Butterfly screwBH10401101140BH10401101140BH1040110114014Hexagon thin nutYW64200100000YW64200100000YW6420010000015Hexagon self-tapping screwYW66061210000YW66061210000YW6606121000016Conveying belt assembly map17Bearing block partsYW11205100100YW11205100100YW612240000018Flat gasketYW66012100000YW66122400000YW6612240000019Star screw nutYW64012100000YW64012100000YW6401210000020Conveying beltYR0042000400YR0052000200YR006200020021Conveying wheelYW08040100300YW08050100300YW0806010030022Exploded view of pedestal23Hexagon screw boltYW60122500100YW60122500100YW6012250010070NamePNL-7PNL-8-11End cover 2BL5600004202BL560000420223Motor holderBL5600004202BL56000042023Hexagon screw boltYW60082500300YW600825003004Gear motorYM50406000300YE80200001005Frequency converter shellBL56000140020BL560001400206Frequency converter shellBL56000140020BL560001400207Frequency converter shellBL56000140020BL560001400208Holder padBL56000140020BL56000	10	Star screw nut	YW64012100000	YW64012100000	YW64012100000		
13Butterfly screwBH10401101140BH10401101140BH1040110114014Hexagon thin nutYW64200100000YW64200100000YW6420010000015Hexagon self-tapping screwYW66061210000YW66061210000YW6606121000016Conveying belt assembly map17Bearing block partsYW11205100100YW11205100100YW1120510010018Flat gasketYW66122400000YW66122400000YW6612240000019Star screw nutYW64012100000YW64012100000YW6602200020020Conveying beltYR0042000400YR0052000200YW0606200020021Conveying wheelYW60122500100YW8005100300YW80601030022Exploded view of pedestal70Hexagon screw boltYW60122500100YW60122500100YW6012250010070NamePNL-7PNL-871End cover 2BL5600004202BL560000420272Motor holderBL5600004202BL560000420273Hexagon screw boltYW6082500300YW608250030074Gear motorYM50406000300YM5040600030075Frequency converter shellBL56000140020BL560001400276Frequency converter coverBL5600014002BL560014002076Frequency converterYW66122400000YW6612240000076Frequency converter coverBL56000140020BL56003002076Frequency converterYW66122400000YW66122400000	11	End cover 1	BL56000041020	BL56000041020	BL56000041020		
14Hexagon thin nutYW64200100000YW6420010000015Hexagon self-tapping screwYW66061210000YW6606121000016Conveying belt assembly map17Bearing block partsYW11205100100YW11205100100YW1120510010018Flat gasketYW66122400000YW66122400000YW6612240000019Star screw nutYW64012100000YW64012100000YW660200000020Conveying beltYR0042000400YR00520000200YR0062000020021Conveying wheelYW08040100300YW08050100300YW0806010030022Exploded view of pedestal23Hexagon screw boltYW60122500100YW60122500100YW60122500100NonName10End cover 2BL5600004202BL5600004202BL56000042022Motor holderBL560000420BL5600004200I-3Hexagon screw boltYW6082500300YW60825003004Gear motorYM5040600300YM50406003005Frequency converter shellBL5600140020BL56001400206Frequency converterYE8020000100YE80200001007Frequency converterYE8020000100YE601224000008Holder padBL5600041020BL56000410209GasketYW64012100000YW64012100000YW6401210000 </td <td>12</td> <td>Iron stick</td> <td>YW08041801800</td> <td>YW08050600600</td> <td>YW09502800000</td>	12	Iron stick	YW08041801800	YW08050600600	YW09502800000		
15Hexagon self-tapping screwYW66061210000YW6606121000016Conveying belt assembly map17Bearing block partsYW1120510010YW11205100100YW1120510010018Flat gasketYW66122400000YW66122400000YW6612240000019Star screw nutYW64012100000YW64012100000YW660200020020Conveying beltYR0042000400YR0052000200YR006200020021Conveying wheelYW08040100300YW08050100300YW0806010030022Exploded view of pedestal3Hexagon screw boltYW60122500100YW60122500100YW60122500100No.Name-PNL-7PNL-8-1End cover 2BL5600004202BL56000042023Hexagon screw boltYW6082500300YW60825003004Gear motorYM5040600300YM600825003005Frequency converter shellBL5600140202BL5600014020-6Frequency converterBL5600140020BL5600140020-7Frequency converterYW66122400000YW661224000008Holder padBL5600140020BL560030020-9GasketYW64012100000YW64012100000-10Star screw nutYW64012100000YW60122400000-11End cover 1BL5600041020BL5600041020-12Iron stickYW0804707800YW	13	Butterfly screw	BH10401101140	BH10401101140	BH10401101140		
16 Conveying belt assembly map - - 17 Bearing block parts YW11205100100 YW11205100100 YW11205100100 18 Flat gasket YW66122400000 YW66122400000 YW66122400000 19 Star screw nut YW64012100000 YW64012100000 YW64012100000 20 Conveying belt YR0042000400 YR0052000200 YR00620000200 21 Conveying wheel YW600122500100 YW60122500100 YW60122500100 22 Exploded view of pedestal - - - 23 Hexagon screw bolt YW60122500100 YW60122500100 YW60122500100 No. Name PNL-7 PNL-8 - 1 End cover 2 BL56000042020 BL56000042020 - 3 Hexagon screw bolt YW60082500300 YW60082500300 - 4 Gear motor YM50406000300 YM50406000300 - 5 Frequency converter shell BL56000240020 BL56000140020 - 6 Frequency conv	14	Hexagon thin nut	YW64200100000	YW64200100000	YW64200100000		
17 Bearing block parts YW11205100100 YW11205100100 YW11205100100 18 Flat gasket YW66122400000 YW66122400000 YW66122400000 19 Star screw nut YW64012100000 YW64012100000 YW64012100000 20 Conveying belt YR0042000400 YR0052000200 YR00620000200 21 Conveying wheel YW6012200100 YW60122500100 YW60122500100 22 Exploded view of pedestal - - - 23 Hexagon screw bolt YW60122500100 YW60122500100 YW60122500100 No. Name PNL-7 PNL-8 - 1 End cover 2 BL56000042020 BL56000042020 - 3 Hexagon screw bolt YW60082500300 YW60082503000 - 4 Gear motor YM5040600300 YM5040600300 - 5 Frequency converter shell BL56000140020 BL56000140020 - 6 Frequency converter YE8020000100 YE8020000100 - 7 <td>15</td> <td>Hexagon self-tapping screw</td> <td>YW66061210000</td> <td>YW66061210000</td> <td>YW66061210000</td>	15	Hexagon self-tapping screw	YW66061210000	YW66061210000	YW66061210000		
18Flat gasketYW66122400000YW6612240000019Star screw nutYW64012100000YW6401210000020Conveying beltYR042000400YR005200020021Conveying wheelYW08040100300YW0805010030022Exploded view of pedestal23Hexagon screw boltYW60122500100YW60122500100No.NamePNL-7PNL-81End cover 2BL5600004202BL56000042022Motor holderBL5600004202BL56000042023Hexagon screw boltYW60082500300YW600825003004Gear motorYM5040600300YM50406003005Frequency converter shellBL56000140020BL560001400206Frequency converter coverBL5600140020BL560001400207Frequency converter coverBL5600140020BL560001400208Holder padBL5600430002BL56000410029GasketYW66122400000YW6612240000010Star screw nutYW6012100000YW6401210000011End cover 1BL5600041020BL560004102012Iron stickYW0804707800YW0804700880013Butterfly screwBH10401101140BH10401101140	16	Conveying belt assembly map	-	-	-		
19Star screw nutYW64012100000YW64012100000YW6401210000020Conveying beltYR0042000400YR0052000200YR006200020021Conveying wheelYW08040100300YW08050100300YW0806010030022Exploded view of pedestal23Hexagon screw boltYW60122500100YW60122500100YW60122500100No.NamePNL-7PAL-81End cover 2BL56000042020BL560000420202Motor holderBL56000042020BL560000420203Hexagon screw boltYW60082500300YW600825003004Gear motorYM50406000300YM600825003005Frequency converter shellBL56000140020BL560001400206Frequency converter coverBL56000140020BL56001400207Frequency converterYW66122400000YW661224000008Holder padBL5600041020BL56004300209GasketYW64012100000YW6401210000010Star screw nutYW64012100000YW6804700780011End cover 1BL5600041020BL560004102012Iron stickYW08047007800YW0804700880013Butterfly screwBH10401101140BH10401101140	17	Bearing block parts	YW11205100100	YW11205100100	YW11205100100		
20Conveying beltYR00420000400YR0052000200YR0062000020021Conveying wheelYW08040100300YW08050100300YW0806010030022Exploded view of pedestal23Hexagon screw boltYW60122500100YW60122500100YW60122500100No.NamePNL-7Part No.1End cover 2BL56000042020BL560000420202Motor holderBL56000042020BL560000420203Hexagon screw boltYW60082500300YW600825003004Gear motorYM50406000300YM50406003005Frequency converter shellBL56000140020BL560001400206Frequency converter coverBL5600140020BL560001400207Frequency converterYE8020000100YE80200001008Holder padBL5600430020BL56004300209GasketYW64012100000YW6401210000010Star screw nutYW64012100000YW6004700880011End cover 1BL5600041020BL560004102012Iron stickYW08047007800YW08047008800	18	Flat gasket	YW66122400000	YW66122400000	YW66122400000		
21Conveying wheelYW08040100300YW08050100300YW0806010030022Exploded view of pedestal23Hexagon screw boltYW60122500100YW60122500100YW60122500100No.NamePNL-7PNL-81End cover 2BL56000042020BL560000420202Motor holderBL5600000420BL56000004203Hexagon screw boltYW60082500300YW600825003004Gear motorYM50406000300YM504060003005Frequency converter shellBL56000140020BL560001400206Frequency converter coverBL5600140020BL560001400207Frequency converterYE8020000100YE80200001008Holder padBL5600430020BL56004300209GasketYW66122400000YW6612240000010Star screw nutYW64012100000YW6401210000011End cover 1BL5600041020BL560004102012Iron stickYW08047007800YW0804700880013Butterfly screwBH10401101140BH10401101140	19	Star screw nut	YW64012100000	YW64012100000	YW64012100000		
22Exploded view of pedestal23Hexagon screw boltYW60122500100YW60122500100No.NamePart No.1End cover 2BL56000042020BL560000420202Motor holderBL56000042020BL560000042003Hexagon screw boltYW60082500300YW600825003004Gear motorYM50406000300YM600825003005Frequency converter shellBL56000140020BL560001400206Frequency converter coverBL5600140020BL56001400207Frequency converterYE8020000100YE80200001008Holder padBL56004300020BL560043000209GasketYW66122400000YW6612240000010Star screw nutYW64012100000YW6401210000011End cover 1BL5600041020BL560004102012Iron stickYW08047007800YW0804700880013Butterfly screwBH10401101140BH10401101140	20	Conveying belt	YR00420000400	YR00520000200	YR00620000200		
23Hexagon screw boltYW60122500100YW60122500100No.NamePRL-7Part No.PNL-8End cover 2BL56000042020BL560000420202Motor holderBL5600004200BL56000004203Hexagon screw boltYW60082500300YW600825003004Gear motorYM50406000300YM504060003005Frequency converter shellBL56000240020BL560001400206Frequency converter coverBL5600140020BL560001400207Frequency converterYE8020000100YE80200001008Holder padBL5600430020BL56004300209GasketYW66122400000YW6612240000010Star screw nutYW64012100000YW6401210000011End cover 1BL5600041020BL560004102012Iron stickYW08047007800YW0804700880013Butterfly screwBH10401101140BH10401101140	21	Conveying wheel	YW08040100300	YW08050100300	YW08060100300		
No.NamePart No.1End cover 2BL56000042020BL560000420202Motor holderBL5600000420BL56000004203Hexagon screw boltYW60082500300YW600825003004Gear motorYM50406000300YM504060003005Frequency converter shellBL56000140020BL560001400206Frequency converter coverBL56000140020BL560001400207Frequency converterYE8020000100YE80200001008Holder padBL56004300020BL560043000209GasketYW64012100000YW6401210000010Star screw nutYW64012100000YW6401210000011End cover 1BL5600041020BL560004102012Iron stickYW08047007800YW0804700880013Butterfly screwBH10401101140BH10401101140	22	Exploded view of pedestal	-	-	-		
No. Name PNL-7 PNL-8 1 End cover 2 BL56000042020 BL56000004202 2 Motor holder BL5600000420 BL56000000420 3 Hexagon screw bolt YW60082500300 YW60082500300 4 Gear motor YM50406000300 YM50406000300 5 Frequency converter shell BL56000140020 BL56000240020 6 Frequency converter cover BL56000140020 BL56000140020 7 Frequency converter cover BL56000140020 BL56000140020 8 Holder pad BL56000140020 BL56000140020 9 Gasket YW66122400000 YW66122400000 10 Star screw nut YW64012100000 YW64012100000 11 End cover 1 BL5600041020 BL5600041020 12 Iron stick YW08047007800 YW08047008800 13 Butterfly screw BH10401101140 BH10401101140	23	Hexagon screw bolt	YW60122500100	YW60122500100	YW60122500100		
PNL-7 PNL-8 1 End cover 2 BL56000042020 BL56000042020 2 Motor holder BL5600000420 BL5600000420 3 Hexagon screw bolt YW60082500300 YW60082500300 4 Gear motor YM50406000300 YM50406000300 5 Frequency converter shell BL56000240020 BL56000240020 6 Frequency converter cover BL56000140020 BL56000140020 7 Frequency converter cover BL56004300020 BL56004300020 8 Holder pad BL56000410020 BL56004300020 9 Gasket YW66122400000 YW64012100000 10 Star screw nut YW64012100000 YW64012100000 11 End cover 1 BL5600041020 BL5600041020 12 Iron stick YW08047007800 YW08047008800 13 Butterfly screw BH10401101140 BH10401101140			Part No.				
2 Motor holder BL5600000420 BL5600000420 3 Hexagon screw bolt YW60082500300 YW60082500300 4 Gear motor YM50406000300 YM50406000300 5 Frequency converter shell BL56000240020 BL56000240020 6 Frequency converter cover BL56000140020 BL56000140020 7 Frequency converter cover YE8020000100 YE8020000100 8 Holder pad BL56004300020 BL56004300020 9 Gasket YW66122400000 YW64012100000 10 Star screw nut YW64012100000 YW64012100000 11 End cover 1 BL5600041020 BL5600041020 12 Iron stick YW08047007800 YW08047008800 13 Butterfly screw BH10401101140 BH10401101140	NO.	Name	PNL-7	PNL-8			
3 Hexagon screw bolt YW60082500300 YW60082500300 4 Gear motor YM50406000300 YM50406000300 5 Frequency converter shell BL56000240020 BL56000240020 6 Frequency converter cover BL56000140020 BL56000140020 7 Frequency converter YE8020000100 YE8020000100 8 Holder pad BL56004300020 BL56004300020 9 Gasket YW66122400000 YW66122400000 10 Star screw nut YW64012100000 YW64012100000 11 End cover 1 BL5600041020 BL5600041020 12 Iron stick YW08047007800 YW08047008800 13 Butterfly screw BH10401101140 BH10401101140	1	End cover 2	BL56000042020	BL56000042020			
4 Gear motor YM50406000300 YM50406000300 5 Frequency converter shell BL56000240020 BL56000240020 6 Frequency converter cover BL56000140020 BL56000140020 7 Frequency converter cover YE8020000100 YE8020000100 8 Holder pad BL56004300020 BL56004300020 9 Gasket YW66122400000 YW66122400000 10 Star screw nut YW64012100000 YW64012100000 11 End cover 1 BL5600041020 BL56000041020 12 Iron stick YW08047007800 YW08047008800 13 Butterfly screw BH10401101140 BH10401101140	2	Motor holder	BL56000000420	BL56000000420			
5 Frequency converter shell BL56000240020 BL56000240020 6 Frequency converter cover BL56000140020 BL56000140020 7 Frequency converter YE8020000100 YE8020000100 8 Holder pad BL56004300020 BL56004300020 9 Gasket YW66122400000 YW66122400000 10 Star screw nut YW64012100000 YW64012100000 11 End cover 1 BL5600041020 BL5600041020 12 Iron stick YW08047007800 YW08047008800 13 Butterfly screw BH10401101140 BH10401101140	3	Hexagon screw bolt	YW60082500300	YW60082500300			
6 Frequency converter cover BL56000140020 BL56000140020 7 Frequency converter YE8020000100 YE8020000100 8 Holder pad BL56004300020 BL56004300020 9 Gasket YW66122400000 YW66122400000 10 Star screw nut YW64012100000 YW64012100000 11 End cover 1 BL5600041020 BL56000041020 12 Iron stick YW08047007800 YW08047008800 13 Butterfly screw BH10401101140 BH10401101140	4	Gear motor	YM50406000300	YM50406000300			
7 Frequency converter YE8020000100 YE8020000100 8 Holder pad BL56004300020 BL56004300020 9 Gasket YW66122400000 YW66122400000 10 Star screw nut YW64012100000 YW64012100000 11 End cover 1 BL5600041020 BL56000041020 12 Iron stick YW08047007800 YW08047008800 13 Butterfly screw BH10401101140 BH10401101140	5	Frequency converter shell	BL56000240020	BL56000240020			
8 Holder pad BL56004300020 BL56004300020 9 Gasket YW66122400000 YW66122400000 10 Star screw nut YW64012100000 YW64012100000 11 End cover 1 BL5600041020 BL5600041020 12 Iron stick YW08047007800 YW08047008800 13 Butterfly screw BH10401101140 BH10401101140	6	Frequency converter cover	BL56000140020	BL56000140020			
9 Gasket YW66122400000 YW66122400000 10 Star screw nut YW64012100000 YW64012100000 11 End cover 1 BL56000041020 BL56000041020 12 Iron stick YW08047007800 YW08047008800 13 Butterfly screw BH10401101140 BH10401101140	7	Frequency converter	YE80200000100	YE80200000100			
10 Star screw nut YW64012100000 YW64012100000 11 End cover 1 BL56000041020 BL56000041020 12 Iron stick YW08047007800 YW08047008800 13 Butterfly screw BH10401101140 BH10401101140	8	Holder pad	BL56004300020	BL56004300020			
11 End cover 1 BL56000041020 BL56000041020 12 Iron stick YW08047007800 YW08047008800 13 Butterfly screw BH10401101140 BH10401101140	9	Gasket	YW66122400000	YW66122400000			
12 Iron stick YW08047007800 YW08047008800 13 Butterfly screw BH10401101140 BH10401101140	10	Star screw nut	YW64012100000	YW64012100000			
13 Butterfly screw BH10401101140 BH10401101140	11	End cover 1	BL56000041020	BL56000041020			
	12	Iron stick	YW08047007800	YW08047008800			
14 Hexagon thin nut YW64200100000 YW64200100000	13	Butterfly screw	BH10401101140	BH10401101140			
	14	Hexagon thin nut	YW64200100000	YW64200100000			

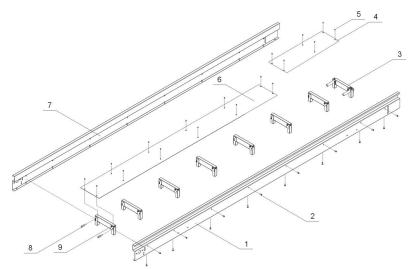


15	Hexagon self-tapping screw	YW66061210000	YW66061210000	
16	Conveying belt assembly map	-	-	
17	Bearing block parts	YW11205100100	YW11205100100	
18	Flat gasket	YW66122400000	YW66122400000	
19	Star screw nut	YW64012100000	YW64012100000	
20	Conveying belt	YR00420007500	YR00420008500	
21	Conveying wheel	YW08070100300	YW08080100300	
22	Exploded view of pedestal	-	-	
23	Hexagon screw bolt	YW60122500100	YW60122500100	

Please confirm the version of manual before placing the purchase order to guarantee that the item number of the spare part is in accordance with the real object.



7.3 Holder Parts



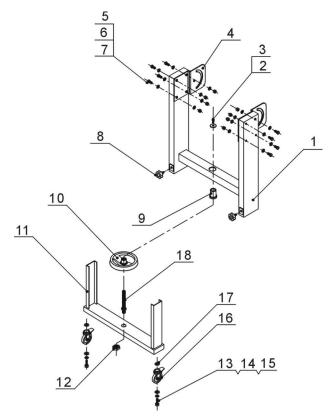
Parts name:

4. Panel 2

- 1. Side plate
- 2. Hexagon screw bolt
 - 5. Cross socket sunk screw
- 7. Side plate 2
- 8. Hexagon screw
- 3. Beam 2 assembly map
- 6. Panel 1
 - 9. Beam 1 assembly map



7.4 Pedestal Parts



Parts name:

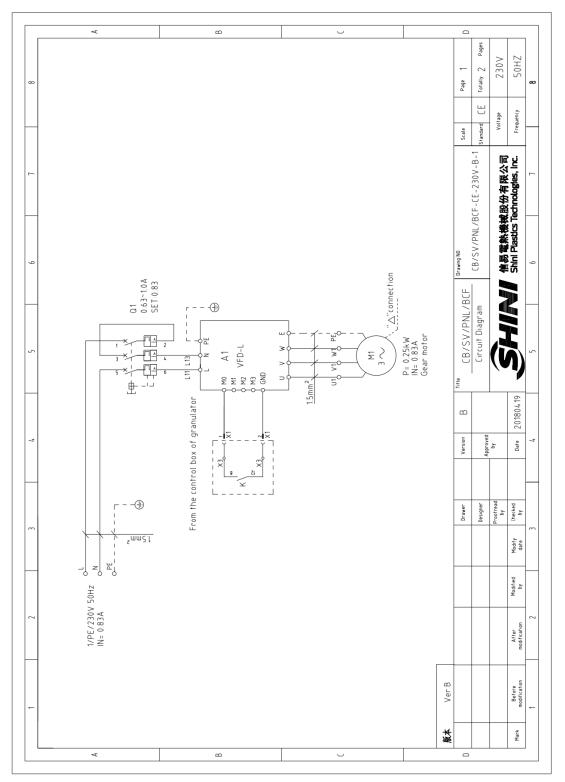
- 1. Lifter assembly map
- 4. Adjusting plate
- 7. Lock nut

- 2. Adjusting bolt
- 5. Hexagon screw bolt
- 8. Star screw
- 10. Driving wheel 11. Pedestal welding map
- 13. Inner hexagon cylindrical screw 14. Spring gasket
- 16. Castor
- 17. Flat gasket

- 3. Flat gasket
- 6. Flat gasket
- 9. Adjusting sleeve
- 12. Star screw nut
- 15. Flat gasket
- 18. Main screw



8. Circuit Diagram





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20	Remark				(1)	(1)												Page 2	Totally 2 Pages	230V	50Hz	a
	number	500600	000000	YE75004200600	200100													Scale	Standard CE	Voltage	Frequency	
-	Material number	YE10022500600	YR40012000000	YE75004	YE68016200100														E-230V-B-2	计有限公司	ologles, Inc.	
_	Number	-	1	~	-	-													CB/SV/PNL/BCF-CE-230V-B-2	了是」。1991 信号電熱機械股份有限公司	lastics Techn	
-	ion			W		W 50Hz												Ê	1	1683	Shri F	
_	Specification	0.63-1.0A		220V 0.4kW	2P	400V 250W 50Hz												CB/SV/PNL/BCF	Electrical Components List			
					(金)													Title CB/S	Electrical C	(1		
	Type	NS2-25	NS2-MC01	VFD004L21A	PLT-162-RR(&)													В			20180419	
-	turer																control box	Version	Approved	by	Date	
	Manufacturer	CHNT	CHNT	DELTA	SHINI												I inside the	Drawer	Designer	P:oofread by	(hecked by	
		breaker															it's not the material inside the control box				Modif y date	
2 Name		Thermomagnet circuit breaker	oof box	Frequency converter	ŧ																Modified by	
	Name	Thermom	Water-proof box	Frequenc)	Metal joint	Motor											Notes: (1)Means				After modification	
-	Symbol	a1		A1	X1	Μ1											Ver.B				Before modification	
	NO	-	2	m	4	5										1	版本				Mark	