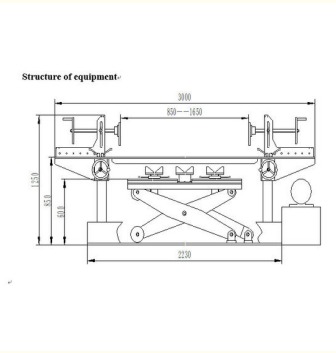
manual transformer coil winding machine for Three Dimensional Rolled Iron Core

Our Product Introduction

Basic Information

- Place of Origin: China
- Brand Name: JC
- Certification: SGS CE,UL
- Model Number: JCHZ
- Minimum Order Quantity: 1 pcs
- Price: consult
- Packaging Details: Export standard packaging
- Delivery Time: 5 days
- Payment Terms: L/C, T/T, Western Union, MoneyGram
- Supply Ability: 100pcs/month



Product Specification

- Lift Stroke: S = 500 Mm
- Lift Speed : V = 40 Mm/s adjustable
- Hydraulic Working Pressure rated : P = 14 Mpa
- Operation Voltage: AC 380V Three Phases 5 Wires
- Machine Power: 1.5KW
- Machine Weight: W 1500 KG
- Highlight: **manual transformer coil winding machine**, **manual transformer winding machine**, **transformer winding machine manual**

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Our Product Description

Product Description

The dry type tranformer used Body Assembly for Amorphous Alloy for Amorphous Three-Dimensional Rolled Iron Core

Main technical characteristics

Amorphous body Assembly for non-crystalline alloy iron core transformer (referred to as non-gold) activepart Assembly and special equipment, can meet a varietyofoil-immersed and dry-type amorphous Assembly. It has changed the traditional suit of technology for the manufacture of distribution transformer and winding the lifting platform placed in the Assembly in advance, the winding axis horizontal, each wearing a single box cores into the winding holes. And core Assembly stage is complete closure, wound closed, the body of insulated Asse- mbly, clamp fastening processes. In the process, the Assembly height can easily adjust the position to meet Assembly requirements of the different working steps. This equipment movement using hydraulic systems, with smooth movements, easy to adjust, the advantage of ample power.

Hydraulic system of lifting mechanism of the Assembly include: pumps, motors, valves, to combine mod- ulesensure high reliability, low noise. Set a large lifting platforms to meet various support bodies, sliding de- vicesnecessary for space. Same time, allows sufficient redundancy and facilitate support operations. Slide the leftand right table move pulley drive, load bearing capacity, easy operation, accurate positioning. Material can be used for lifting tuning, adjusting range of 50mm, can satisfy the requirement. Plane bearing is fine-tuning settings, reduce overload adjust the intensity of operations. Fixed platform in front set screw under the drive mechanism, fixed platform, back through the crank handle operation. Platform into the work position, flipping the handle to lock the platform. Assembly on the left and right are set to help locate bodies, pressed against thebody of the length of the sides of windings, iron core, with safety function. Using screw driving structure, a single pressure on the Organization of effective stroke- 500mm. Electrical parts are brand and high reliability.

Product Description

Overview

Function

This machine is special-purpose unit for body assembly for amorphous alloy transformer, it is used for various specs of oil-immersed and dry-type transformers. It has changed the traditional process, the coils are pre-placed on the lift platform of assembly stand, the winding axis is horizontal, each single-frame core cross through winding inner hole. And can complete the core folding, bandaging, the body insulation assembly, clamps fastening and other processes. The height of assembly stand can be adjusted easily to meet the requirements in different steps of the assembly process.

The main movement mechanism uses hydraulic system, with features of stable lift, easy adjustment, redundant power and so on.

Main specification

2.1 Operation Height H = 1000 mm

2.2 Applicable body(shape)parameter range:

Length:L = 850 - 1650 mm

Width:B = 200 - 900 mm

Height:H = 200 - 900 mm

Applicable capacity range for Oil immersed Transformer::30kVA——1600 kVA

2.3 Bearing load of lift platform(rated): W = 3000 kg

2.4 Lift stroke: S = 500 mm

2.5 Lift speed:

V = 40 mm/s (adjustable)

2.6 Hydraulic working pressure(rated): P = 14 Mpa

2.7 Operation voltage: AC 380V three phases 5 wires

2.8 Machine power: 1.5KW

2.9 Machine weight: W = 1500 KG

2.10 Color: Green hammer paint

Operation instruction

3.1Power-on, turn on power switch, then the unit is in working state.

3.2 Following the workpiece specifications:

* Adjust the left and right hand wheels on the front of assembly stand ,pre-set the width of the work table, the pre-set width is the height of winding axial plus extra 5 mm for winding easy hanging.

* Adjust the left and right pressure holding brackets on the assembly table, allow the distance between the two pressure plates longer than max length of the body.

* Operate the lift ,make the three "V" brackets on the lift slightly higher than the working platform ,and adjust the distance between the three brackets according to the size of the body. Then lock them after adjustment.

* Hanging A, B, C three-phase coils on the bracket in turn, the coils of the long axis is vertical to the work plane. Adjust the handwheel on the bracket, press the plate against the side of the coils gently to ensure the winding vertical crossing through the core and safety.

* Low the lift platform slowly, allow the inner plane of short axis of the winding is slightly lower than the working plane by about 5 mm. And then place the end insulation of the body.

* Hang the core on the auxiliary mobile trolley. The core can be adjusted to the winding position with the manual hydraulic jack.

* After inserting the first layer main and sub-frame core into the winding in turn, fold the cores on the other side of assembly stand, painting epoxy and binding up. Operate the lift down to keep the upper plane of first layer core parallel to the fixed working plane ,then start to insert and assembly the second layer core. In the process, in order to avoid the displacement deformation of the core and the damage due to press , the temporary support tool shall be used to support the impending part of the core.

* After installing the body insulation, assemble the upper and lower clamp, left and right side plates, then fastening according to process requirement. Complete the body process and lift away by crane.

* Electrical protection devices are equipped in the limit parts to prevent malfunction and ensure safety.

Main structure:

The lift adopts hydraulic system , it includes: oil pump, motor, kinds of valves, etc., high-quality parts are used to ensure high reliable, low noise and non leakage system. Rated working pressure 14 Mpa. Use high-pressure hose connection, safe and easy operation.

* Design large-scale lifting platform, (1400 × 670 mm) to meet movement space for various bearing mechanism and sliding table. At the same time, leave enough margin to facilitate the support operation.

* The movement method for sliding bearing table using pulley driving, with strong load-bearing ability, portable operation, accurate positioning. The bearing table can be raised and lowered to the range of 100 mm, which can meet the usage requirements. The fine-tuning mechanism equipped a plane bearing to reduce the manipulation strength of the adjustment when heavy loaded.

* The front fixed platform equipped screw- bar drive mechanism, move the fixed platform straight or back by

turning the hand wheels. After the platform to the working position, lock the platform by pulling handle.

* The press-contact mechanism is installed on the left and right sides of assembly stand to hold the winding and iron core and ensure the safety at the same time. The effective stroke of each press mechanism is 500 mm.

* The main electronic components are used Schneider products to ensure high reliability.

Delivery state

Assembly stand complete machine one set(including cabinet);

Independent hydraulic lifting trolley one set;

Documents and other spare parts list.

Including configuration list, operation manual, hydraulic principal drawing, electrical diagram.

Dhqz-3000 Amorphous Alloy Transformer Body Assembly Standtechnical Instruction

FAQ

1. Q: What does "FOB""CFR"and "CIF"Mean?

A: FOB=free on board with China loading port

CFR=CNF=cost and freight charge with destination port

CIF=CFR+Insurance with destination port

2. Q: What's consists of equipment for your APG whole production line?

A: APG Machine-APG Mold-Curing Oven-Air compressor-Mixing Material-Release Mould Agent- Xylene germicides.

3. Q:What information do we need before quote?

A: Your product's diameter and photo or drawing.

4. Q: How about your installation & debugging and after-sale service?

A: Our engineer go to the oversea for the installation and debugging availably,and we provide one-stop sevice and machines lifelong maintenance.On site test and inspection available.

5. Q: How about your experience in this field?
A: We have 24 years experience in this field.Until now,we have 19 items patents.

6. Q: Is it one-stop service company in electric power equipment industry?
A: Yes,Oyr products cover APG Clamping Machine,APG Molds & Injection Toroidal Winding Machine (CT & PT),Transformer Foil Winding Mach Molds,Marking Machine.

7. Q: What is your delivery time?
A: It takes around 50 working days.

8. Q:How's the packing way?
A:The machine with plastic film and others parts use wooden case for safety.

9. Q: What's the shipping port?
A: Shanghai,Shenzhen,Ningbo,Qingdao etc.

10. Q: What's the payment terms?
A: Telegraphic transfer(TT),Letter of credit.

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