



Zhengzhou Main Machinery Equipment CO.,LTD

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Latest arrangement of safety operation procedures for ZZMAIN JZC350 concrete mixer

1. inspection before use

1). Check whether the four support foot corners are firmly supported and whether the machine body is stable

2). Check whether the electrical installation is safe, reliable and grounded

3). Check whether the centrifugal water pump can fill the water diversion

4). Check whether the machine body idles normally

2. The material added to the mixing drum each time shall not exceed the specified weight.

3. In order to reduce the phenomenon of tank sticking, when adding materials to the feed hopper, the order is aggregate, cement and sand.

4. When operating the hopper, the force shall be stable and not too hard to avoid damaging parts.

5. It is strictly prohibited for non operators to operate the handle and electrical button at will.

6. Pay attention to electrical safety, Prevent the motor from being damp and the electrical components and wires from being damaged.

7. When the feed hopper is lifted, no one is allowed to stay or pass under the bucket. If it is necessary to overhaul under the bucket, the bucket material shall be lifted and fastened with a safety chain.

8. In case of sudden power failure of the mixer, it is necessary to rotate the motor with a handle to reverse the mixer and unload the mixture.

9. When the mixer is hauled and transported, the materials must be hooked with a safety chain and tied tightly with iron wire to avoid decoupling.

10. The towing speed shall not exceed 20km per hour.

11. In the process of towing, get off the mixer regularly to check whether there are abnormal conditions. If there are any, correct them in time, and then tow them.

12. After the mixer works for 4 hours or stops for more than 2 hours, A certain amount of stone and water shall be added, stirred and rotated for 5 minutes, and then released reversely to remove the stickiness in the barrel.

JZC ZZMAIN series concrete mixer operating procedures

In order to ensure the personal safety of construction personnel and reduce unnecessary injuries in construction, the correct operation method of mixer is particularly important.

1、 Operating procedures for concrete mixer:

1. The installation of concrete mixer shall be stable and firm, the traveling wheel shall be suspended, and the base shall be padded higher than the ground. Smash proof and rain proof sheds shall be erected near buildings.

2. Check electrical equipment, leakage protector and reliable neutral or grounding protection before operation; The transmission part and safety protection device are complete and effective, and the test run can be carried out only after confirming that there is no abnormality.

3. Start up first during operation. After the operation is normal, add materials and water for mixing. Do not add enough materials before making efforts. Sand shall be sieved, and excessive feeding is strictly prohibited.

4. During feeding, the tools used shall be higher than the mixing blade. It is strictly prohibited to stretch the tools into the mixing drum to pick up materials during operation.



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5. When large sundries fall into the mixing drum, it must be checked after shutdown. It is strictly prohibited to reach out to pick up during operation.

6. Maintenance is strictly prohibited during operation. In case of jamming or abnormality, shut down the machine and turn off the power before troubleshooting.

7. After the operation, the power supply must be cut off, the power plug (PIN) must be unplugged, and the inside and outside of the mortar mixer must be cleaned with water (water is strictly prohibited for electrical equipment during cleaning).

2. JZC series concrete mixer types

JZC series concrete mixer is designed and manufactured according to GB / t9142-2000 technical conditions for concrete mixers. It has reasonable structure and has the advantages of high productivity, good mixing quality, beautiful appearance and convenient movement. It is an advanced model.

3. Working principle of JZC series concrete mixer

JZC series concrete mixer is a self falling double cone reverse discharge mixer. The mixing drum is driven by the gear ring. During operation, it can mix plastic and semi dry concrete. It is suitable for general construction sites, roads, bridges and various concrete component plants

4. Main technical parameters of concrete mixer 400-001-2901 Model parameter item JZC350.

● Inspection and preparation before commissioning

① check that the power supply voltage and rated voltage are 380V and the voltage fluctuation range is 340-410v, otherwise the normal operation of the machine or the damage of components will be affected. ② check whether the wiring of motor and electrical components is firm and whether the grounding wire is reliable. In order to ensure safety, use

The household shall install leakage protection device on the distribution board by itself, and then connect the power supply. ③ Pull out the oil size, check whether the lubrication of the reduction gearbox is good, and at the specified oil level, supplement and replace it if necessary.

④ to connect the water circuit, a bucket must be prepared and placed near the water pump. Connect the suction valve, water pipe and water pump into one, and place the suction valve in the bucket. ⑤ check whether the connecting bolts of each part are fastened, especially the connecting bolts of transmission parts. If there is any detection, tighten them.

● Inspection each use.

① check whether the machine is balanced, whether all four legs are firmly supported, and whether the ladder legs are padded. ② the machine idling is normal. ③ start the water pump and test the pump to make the water supply normal. ④ good electrical grounding.

● no load test run

① start the mixing motor and observe whether the rotation direction of the mixing drum is consistent with the arrow direction on the mixing drum. If the direction is opposite, change the power wiring. ② rotate the mixing drum in both positive and negative directions, cycle for two minutes, and repeat for 15 minutes to check whether there is impact, whether there is abnormal noise at all parts, and whether the lifting and lowering of motor, reducer and hopper are normal. ③ whether the limit is reliable when the hopper is lifted to the upper limit position.

● commissioning of water supply system

① first click to check whether the rotation direction of the water pump motor is correct. If not,



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change the motor wiring, and then pull the suction pipe several times to ensure that the water pump can supply water normally. ② recheck the accuracy of water supply. Users can recheck if they have doubts about the accuracy of water supply.

● precautions for operation

① each time mixing materials are added. Do not exceed the specified value. The hopper can only be lifted and loaded after the discharge in the mixing drum is completed. ② the hopper shall not be lowered at will. When lowering is required under special circumstances, the brake must be used for slow and balanced descent. ③ in order to reduce the sticking phenomenon of the hopper, the order of adding aggregate to the hopper shall be: stone cement sand, or sand cement stone. ④ add water in time during feeding to reduce picking time and dust. ⑤ when the hopper is lifted, no one is allowed to stay under the hopper. Empty hopper shall be lowered slowly. To increase the service life of the machine. ⑥ the handle of the operating lever shall not be pulled by non operators at will. ⑦ pay attention to the safety of electrical appliances to prevent the motor from being damp and the electrical components and wires from being damaged. ⑧ in case of power failure, shake the reducer pulley with a crank to discharge the materials in the cylinder. ⑨ the gear ring and track must be lubricated with oil (mechanical oil) every shift. ⑩ warning: if the universal change-over switch is in the mixing (or discharging) position, it is strictly prohibited to quickly turn it to the discharging (or mixing) position to avoid damaging the reducer gear. (11) warning: the running in period is one month. During this period, it is best to halve the mixing load. Replace the gear oil of the reduction gearbox after one month, and then work at full load.

● Maintenance after use

① before shutdown, a certain amount of stones and water must be put in, stirred for 3-5 minutes, and then discharged. In this way, the accumulation in the cylinder can be removed after repeated times. After each shift, the accumulation in the cylinder must be removed. ② clean the accumulated ash and the concrete adhered to the whole machine. ③ place the hopper on the transportation position and hang the safety hook. ④ cut off the power supply and lock the electrical box. ⑤ in the freezing season, the residual water in the slurry water supply system shall be discharged. ⑥ add necessary lubricating oil to each lubricating point as appropriate. ⑦ warning: oil the clutch ring, sky bar and grease fitting once a shift.

● Precautions during towing

① check whether the fasteners of the traveling system are loose, and fix the drum and chassis with iron wire. ② the towing speed shall not be greater than 15km / h.

● Machine maintenance

1. Check the gearbox oil level every month, and fill and replace new oil if necessary. 2. Fill each oil cup with grease every week. 3. The inner and outer brake belts of the feed clutch are worn and can not be used, so they should be replaced with new parts. 4. Check whether the traction mechanism and front supporting wheel are damaged or bent. 5. The machine needs to be maintained once a year, and the overhaul period is 4000 hours.