Content

Foreword

Sand washer, which specializes in producing high degree sand and stone, is researched and manufactured by our company. The merits of this washer are as follows: finished product is clear, high efficiency, easy maintenance and operation and good performance in safety precaution.

In order to guarantee the washer's normal work and exerting its performance, please read this instruction carefully before using and operate this washer according to the technical parameter.

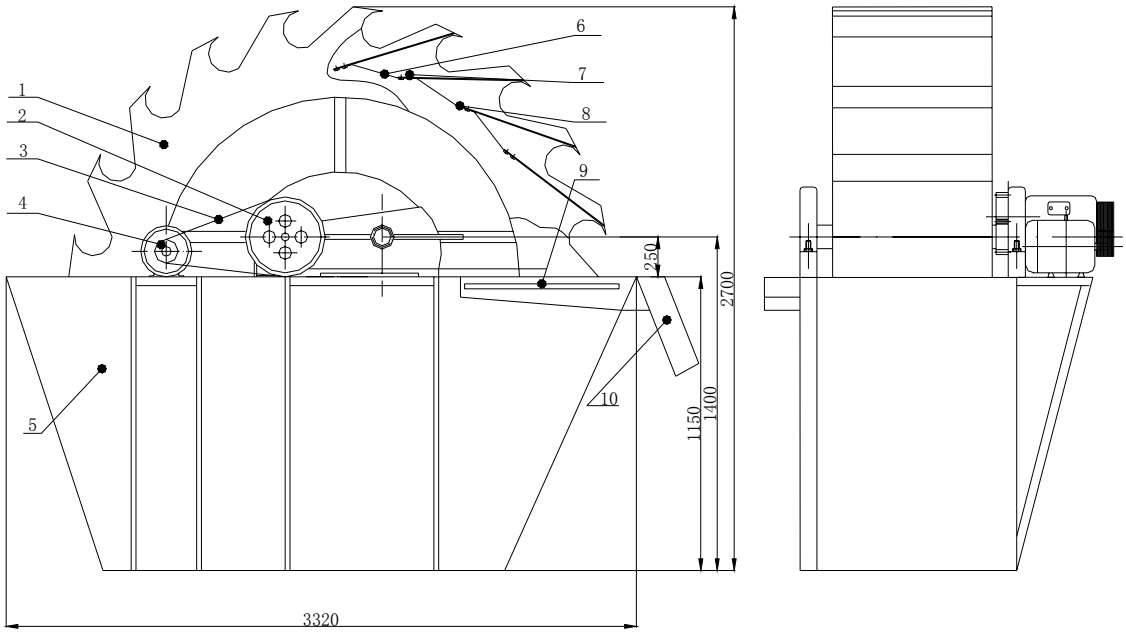
I. Application

1. This machine is specially designed for sandstone and quartz sand company to wash, separate, and classification and dehydrate.
2. This machine is applied for many sandstone industries such as: sandstone factory, building site, hydroelectricity dam, glass manufacture, oil well development.
3. The new sealing structure and adjustable overflow plate can guarantee product's high efficiency and reliability.
4. If there is more powder and dust in the sandstone, which can directly affect the washer's capacity.

Technical parameter:

Diameter of rotary wheel:	2600(mm)
Input size:	10(mm)
Capacity:	50(T)
Power:	7.5KW
Overall dimension	3320×2125×2670(mm)
Weight	2.68(T)

II Structure



1. sand wash wheel 2. belt pulley of deceleration 3. triangle belt
4. motor 5. main unit of sand washer 6. bolt
7. screen web 8. nut 9. support plate
10. discharge groove

III Technical parameter of sand washer

Model	Diameter	Granularity	Capacity	Power	Dimension	Weight
	(mm)	(mm)	(t/h)	(kw)	(mm)	(kg)
XSD2610	2600	≤10	50	7.5	3320X2125X2670	2680
XSD3016	3000	≤10	80	15	3810X2686X3085	3260
XSD3620	3600	≤10	150	18.5	4500X3206X3480	4300

IV Working principle

The work style of this series of sand washer is rotary and moveable. Its working principle is: belt pulley and belt are driven by motor and drive sand washer wheel work through deceleration. The sand washer wheel and deceleration are connected

by junction box, which drive sand washer wheels circumrotate. There are many sand- storage web grooves in grille form. When sand washing wheel circumrotates clock wisely, sand can be put out by storage web groove after being cleared. Waste water is out flowed through web groove's holes. In the process of sand washer's running, sand is discharged through the feeding groove. Sand washer can circumrotate and discharge sand periodically by motor's continuous running, which can realize the batch production.

V Installation and debugging

1. Motor should outfit rain shelter to protect equipment from creepage.
2. Sand washer should be installed on the back of vibrating screen. The rotary direction must strictly according to the requirement.
3. Check every connective bolt has been fastened before trial run.
4. Check every movable part have been lubricated well before trial run.
5. Drive belt pulley run by man before trial run. Make sure there are not any blocks in the process of working, and then user can carry on blank test. During two hours there are not any striking, pulley swinging and bearing loosen occur and the bearing temperature rise cannot exceed 35 centigrade. If the above trouble occurs, please stop machine immediately and check it.
6. The machine should be installed on the reinforced concrete. Beside machine user need to build a concrete sedimentation basin to deal with the waste water. The waste water can be reused after precipitation. These techniques not only meet the environmental requirement but also reduce the sand's cost.
7. Because this machine's working place and conductor materials are contacted with water, so users must guarantee the lead is insulated.

VI Notice

Preparation

1. Check carefully whether the lubrication condition of bearing is good.

2. Check carefully whether all the fixed parts are completely tight.
3. Check whether decelerator's lubricants meet lubricant and environmental requirement and change the lubricant in time.
4. Check whether the belt is good. Clean up when smear is on the belt or belt pulley.

Maintenance

1. This machine can be used for sand washing after normal operating on non-load condition.
2. Materials should be fed equably and uniformly in order to prevent overfull materials resulting in bad effect of washing.
3. Stop feeding materials and make sand washer continually work for 5~10 minutes before stop machine. Stop machine after all the materials have been discharged.
4. Clear up the waste water and precipitation in the sand washer, otherwise will affect washing and increase equipment's load.
5. Change screen web in time when it worn-out.

VII Quick-wear parts

1. screen web 2. Triangle belt 3. Trough

VIII Safety regulation

1. The operator needs safety technical training.
2. Forbid being close to the machine when operating.
3. Forbid any adjustment, clearing and checking when operating.
4. Forbid clearing the precipitation and dust in the equipment when operating.
5. The electric equipment should be grounded and put wire in the insulated pipe.