

Sand Washing Machine

Sand washing machine is a kind of wheeled washing equipment, and can clean and separate the dust and powder from the sand. Its new seal-structure and reliable driving device can make sure the cleaning effect and a kind of high efficiency sand washing equipment matched with the sand making machine.



Features and Benefits:

Simple structure, Water saving, No pollution, Easy to maintain, Durability

Sand washing machine are mainly used in building site, gravel plant, concrete dam building site of hydropower station, etc., and with features of high degree cleaning-up, reasonable structure, large capacity, low power consumption, small loss of the sands during the washing process, especially for that the drive parts of the sand washing machine are separated from water and sands. So that it has lower failure rate than the usual sand washing machine.

1. Sand washing machinery is of simple structure. The bearing device of impeller drive is separated from water and materials with water, to avoid in a large degree that the bearings are damaged by being soaked with water, sand or some polluted things.
2. When the sand washing machinery is used for cleaning sand in quarries, it has many advantages compared with the traditional spiral one.
3. There is little loss for medium-sized and fine sand and stone powder. The grade and the fineness of the sand for construction after being washed can be up to the national standards, such as “sand for construction” and “cobble and broken stones for construction”.
4. There are no other wearing parts except the screen mesh. It features long service life and few times for maintenance.

Working principle:

The electric motor runs slowly with the impeller after decelerated by the belt, decelerator and gears wheel. The sand and stone flow into washing launder from feeding launder, rolls with the

impellor, and grinds each other. The impurity covering the sand is washing away. At the same time, add more water, the strong water flow will take away waste and some low-weight wastes from washing launder. Through the above process, the washing function is finished. The clean sand and stone is lift up by vane. When it goes up slowly, the water begins to drop through the mesh and fall back in the washing launder. On one hand, water is removed from the sand and stone; on the other hand, the water can be fully used. Finally, the sand and stone goes to the out launder from the rotary impellor to finish the washing task.

Technical Data:

| Models | XSD2610 | XSD3016 |
|-----------------------------------|----------------|----------------|
| Impeller Specification (mm) (D×W) | φ2600×1000 | φ3000×1600 |
| Impeller Speed (mm) | 1.178 | 1.179 |
| Capacity (t/h) | 20-50 | 50-120 |
| Feed Size (mm) | ≤10 | ≤10 |
| Weight (t) | 4.6 | 9.6 |
| Electric Motor Power (KW) | 5.5 | 15 |
| Decelerator Models | ZQ50-50-I-Z | ZQ65-50-I-Z |
| Overall Dimensions (L×W×H) | 3255×1982×2690 | 3845×3000×3080 |

Note: This specification is just for reference, any changes are subject to the Sand Washing Machine products.

Contact Us:

Address: South Jinqiao Area, Pudong New Area, Shanghai, China.

Tel: 86-21-51860270

Email: sbm@shibang-group.com

Web: <http://www.shibang-group.com>