



HENAN KEXING HEAVY INDUSTRY CO., LTD.

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Address: Zhongyuan District, Zhengzhou City, Henan Province, China

Sand Washing Machine



Sand Washing Machine:

The XSD series Sand Washing Machines is a kind of water washing style washing and selecting equipment matched with the sand making machine and can clean the dust and stone powder which mixes with the final sand, so sand washing machine can improve the quality of the sand. The novel seal structure and reliable transmission, ensures the cleaning effect of dehydration. Sand washing equipment is an efficient equipment coordinate with sand making machine.

Application of Sand washing machine

Sand washing machine is widely used in construction sites, gravel plants, concrete hydropower dam site, and other industries, which has a high cleaning, reasonable structure, large capacity, low power consumption, less loss of sand during the washing process, particularly the transmission parts of sand washing machine are separated with water and sand, so the failure rate is much lower than the common sand washing machine, sand washing is the best choice for upgrading the industry. Working Principle of Sand Washing Machine:

when the sand washing machine is running, the motor drives the impeller slowly turning through the belt, reducer, after the gear reduce the speed, sand and gravel are washed into the tank to the trough and driven by the the impeller, with tumbling and grinding each other to remove sand and gravel covered the surface of the impurities, while damages to the water vapor coated layer of sand to facilitate dehydration; at the same time, adding water to form a strong water flow, timely

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brings small proportion of impurities and foreign matter away and discharged from washing exports of the overflow tank, then finish the cleaning action. The cleaned sand and gravel are brought away from the blade, and finally poured into the out trough by the rotation of the impeller, and then finished the cleaning process.

Characteristics of Sand Washing Machine:

Reasonable structure, large capacity, low consumption, little loss of the sand during the washing process, low failure rate.

Main Technical Parameter:

Model	XSD2610	XSD2816	XSD3016
Impeller size (mm)	2600×1000	2800×1600	3000×1600
Impeller rolling speed (r/min)	1.178	1.177	1.179
Capacity(t/h)	20-50	30-60	50-120
Max.feed size(mm)	≤10	≤10	≤10
Motor Power (Kw)	5.5	7.5-11	11-15
Reducer model	ZQ50-50-I-Z	ZQ65-50-I-Z	ZQ65-50-I-Z
Overall dimension (mm)	3255×1982×2690	3540×3000×2880	3845×3000×3080



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