



**Shanghai Zenith Electric Power Equipment Co., Ltd.**

Add: No.416 Jianye Road, South Jinqiao Area, Pudong, Shanghai, China

Zip: 201201

Tel: 0086-21-58386256 0086-21-58386258

Fax: 0086-21-58385887

<http://www.zenithcrusher.com>

### Screw Sand Washing



Zenith screw sand washing machine is mainly used for sand processing, electric pole factory, building work site and concrete dam, various sands classifying and dewatering.

This sand washer adopts inclination of 15°, under the water tub, three weir plates form the sediment pool, the screw head is immersed in this pool, the screw is driven by electric motor through reducer rotating continuously, the fresh water is feeding from porous plate at bottom of sediment pool, this machine have three functions of washing, dewatering, classifying.

#### Washing:

The sand is feeding into the sediment pool from the feeding box, acting by rotating screw blade, the sand is turning and rolling and grinding each other to eliminate impurity and water-air layer around sand to facilitate de-water. The fresh eater rising current from the porous plate carry foreign matter to water surface and overflow the weir plate, to finish washing processing

#### De-watering:

The sand with bigger density is sunken down to tub bottom, the screw blade push this sand upwards, when passing through upper tub of proper length above water level, the water is draining into sediment pool from another drainage ditch, the de-watered sand is out from the discharging opening.

#### Classifying:

Material classifying is realized by overflowing the non-needed fines, the controlling method is adjusting height of overflowing weir and adjusting speed of screw.

#### Screw Sand Washing Technical Data:

| Models                 | XL-915 | 2XL-915 | XL-1115 | 2XL-1115 | XL-1370 |
|------------------------|--------|---------|---------|----------|---------|
| Diameter of screw (mm) | 915    | 915     | 1115    | 1115     | 1370    |
| Length of tub (mm)     | 7585   | 7585    | 9782    | 9782     | 10363   |
| Feed Size (mm)         | ≤10    | ≤10     | ≤10     | ≤10      | ≤10     |
| Capacity (t/h)         | 100    | 200     | 175     | 350      | 250     |
| Speed of screw (r/min) | 21     | 21      | 17      | 17       | 14      |



**Shanghai Zenith Electric Power Equipment Co., Ltd.**

Add: No.416 Jianye Road, South Jinqiao Area, Pudong, Shanghai, China

Zip: 201201

Tel: 0086-21-58386256 0086-21-58386258

Fax: 0086-21-58385887

<http://www.zenithcrusher.com>

|                          |                  |                  |                   |                   |                   |
|--------------------------|------------------|------------------|-------------------|-------------------|-------------------|
| Electric Motor Power(kW) | 11               | 2x11             | 15                | 2x15              | 22                |
| Water Consumption (t/h)  | 10-80            | 20-160           | 20-150            | 400-300           | 20-250            |
| Dimension (mm) (L×B×H)   | 8500× 2810 ×3600 | 8420× 3765 ×3960 | 10970× 3945 ×4720 | 10970× 5250 ×4720 | 11420× 4458 ×5326 |
| Weight (kg)              | 6271             | 11110            | 10186             | 17941             | 15349             |

If there is change of the above specification, it subjects to the newest products' specifications.

Contact E-mail [webmaster@zenithdream.com](mailto:webmaster@zenithdream.com)