SANY F8 SERIES RAPID ASSEMBLY CONCRETE BATCHING PLANT

NEW!
Version of January 2015

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Agent Information

Due to the constant technical updating, the technical parameters may be changed without further notice. The machines on the pictures may include additional equipment.

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Designed and prepared by Marketing Department of SANY in Jan. 2015.

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Break through the tradition and initiate rapid assemble design
Build and put into operation rapidly, and easy to maintain and move
Lead the innovation and initiate coating new era
Employ hot-dipped galvanizing process to provide excellent rust prevention and lasting protection.
01 INITIATE RAPID ASSEMBLE DESIGN

Build and put into operation rapidly Easy to maintain and move

Break through the installed and welded mode of traditional concrete batching plant and employ modular design and assembling structure. It's quick and convenient in installation, can be constructed and put into operation rapidly and is easy to maintain and move. Besides, with compact overall layout, it occupies small floor area achieving high site utilization rate, and flexibly meets requirements of more complex terrains.

Assembling structure Rapid and convenient installation

- New control room, assembling design and rapid & convenient installation and transportation;
- With new modular design of inclined belt, and assembling process, it’s convenient and rapid to transport and move;
  The support adopts an opening "U" end face design and truss structure. Thus, the belt is simple and rapid to install and change;
  The troughed roller effectively solves the problems of deviation and difficult adjustment of the belt;
  The overhaul star which is made of galvanized steel grid plate is solid and rustproofing;

- The batching station adopts a new assembling structure with feeding height lower than that of C6 by 200mm, thus increasing the speed and efficiency of the loader, saving energy and reducing the consumption.
- Storage silo for powder system adopts a floor-type structure, and is installed on the ground and connected by bolts on site, which is safe and rapid.

General components Convenient maintenance

- Initiate mold production mode for parts in the industry, achieving high interchangeability and convenient maintenance.

Flexible to disassemble & assemble Convenient to move

- Considering the factors such as environmental protection and change of the engineering construction site, the new F8 concrete batching plant adopts an assembling structure, can be assembled and disassembled rapidly and flexibly by bolts, and is convenient to move thus eliminating worries.
Excellent rust prevention Lasting protection
Break through the traditional mode of coating on installation site, reform the coating of the parts and adopt hot-dipped galvanization anti-corrosion process to achieve high industrial degree of production, excellent rust prevention and maximum service life of 20 years.

- Ultrahigh toughness Comprehensive protection
The galvanized coating on the components produced by hot-dipped galvanization anti-corrosion process can form tough protective structure and effectively prevent the mechanical damages during transportation and use. The components are galvanized entirely, even including the dents, sharp corners, hiding places, etc. to ensure the components are under comprehensive protection.

- Quick construction Save time and labor
Compared with the traditional construction method (installation before coating) for coating, galvanization in factory can ensure higher quality and save both time and labor, and facilitate the quick construction later.

- Lasting protection Benefit for long term
Zinc galvanization anti-rust coating can keep lasting rust prevention for as long as 20 years. The paint cost of up to 150,000 yuan can be saved in the whole product life cycle, thus reducing the anti-rust maintenance cost of the parts of steel structure greatly and obtaining benefits for a long term.

Comparison between anti-rust processes

<table>
<thead>
<tr>
<th>Anti-rust process</th>
<th>Anti-rust time</th>
<th>Cost for single maintenance</th>
<th>Required number of maintenance (life cycle: 15 years)</th>
<th>Total maintenance cost</th>
</tr>
</thead>
<tbody>
<tr>
<td>Traditional coating</td>
<td>≤ 3 years</td>
<td>30,000</td>
<td>5 times</td>
<td>150,000</td>
</tr>
<tr>
<td>Hot-dipped galvanization process</td>
<td>20 years</td>
<td>/</td>
<td>/</td>
<td>0</td>
</tr>
</tbody>
</table>
03 ENERGY EFFICIENT

- The discharging ports of the aggregate storage silo and powder measuring hopper are arranged in the middle of the main engine to improve the mixing efficiency;
- The production tasks queue up freely, achieving intelligent continuous production to improve the production efficiency by 10%;
- Initiate self-adaptation control for discharging of the main engine in the industry, perfectly integrate environmental protection and rate, achieve no leakage, and increase the discharge rate by 25%;
- Give full play to the efficiency of the equipment via intelligent production process control, reducing the operation energy consumption by 10%;
- Initiate the intelligent cleaning, aggregate cleaning, in the industry with no need for shutting down the machine. Employ intelligent cleaning for every 50 plates to avoid shaft sticking and caking and reduce the engine cleaning and maintaining workload for customers greatly.

04 INTELLIGENT CONTROL

- Fault diagnosis system of this machine: display the diagnostic message in real time and remind the customer of the maintenance according to the operating state of the equipment;
- Remote upgrade function of system: upgrade the equipment remotely, and experience the newest function freely.

- Energy consumption reduced by 10%
- Discharging rate increased by 25%
05 ENVIRONMENTAL FRIENDLY

- The enclosed feeding structure significantly improves the environmental performance in the main building;
- The first patented pressure relief technology for the powder silo in the industry maximizes the utilization rate of dust collection system and eliminates the roof falling accident of powder silo;
- With the sewage treatment system, the waste water and waste materials are recycled. (Optional)

06 EASY MAINTENANCE

- The overhaul cover plates and suspension points in the main building permit very convenient maintenance and component replacement;
- The hopper cover plate is in creative design, achieving unprecedented convenience in replacement of lining plate and observation;
- The powder measuring hopper is provided with an exclusive patented overhaul cap to completely solve the problem of blockage of the breather pipe;
- The main engine cover employs caking prevention design and is configured with multiple manholes, which is convenient for cleaning.

### TECHNICAL PARAMETER

<table>
<thead>
<tr>
<th></th>
<th>HZ560</th>
<th>HZS90</th>
<th>HZS120</th>
<th>HZS180</th>
</tr>
</thead>
<tbody>
<tr>
<td>Theoretic productivity</td>
<td>m³/h</td>
<td>60</td>
<td>90</td>
<td>120</td>
</tr>
<tr>
<td>Mixer model</td>
<td>JS1000B</td>
<td>JS1500</td>
<td>JS2000</td>
<td>JS3000E</td>
</tr>
<tr>
<td>Motor power</td>
<td>kW</td>
<td>2 x 18.5</td>
<td>2 x 30</td>
<td>2 x 37</td>
</tr>
<tr>
<td>Cycle period</td>
<td>s</td>
<td>60</td>
<td>60</td>
<td>60</td>
</tr>
<tr>
<td>Nominal capacity of mixer</td>
<td>l</td>
<td>1000</td>
<td>1500</td>
<td>2000</td>
</tr>
<tr>
<td>Max aggregate size</td>
<td>mm</td>
<td>≤ 80</td>
<td>≤ 80</td>
<td>≤ 80</td>
</tr>
<tr>
<td>Filler silo capacity</td>
<td>t</td>
<td>2 x 50</td>
<td>3 x 100</td>
<td>3 x 100</td>
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<tr>
<td>Aggregate silo capacity</td>
<td>m³</td>
<td>3 x 10</td>
<td>3 x 17</td>
<td>4 x 17</td>
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<tr>
<td>Number of aggregate</td>
<td>3</td>
<td>3</td>
<td>4</td>
<td>4</td>
</tr>
<tr>
<td>Feeding height</td>
<td>m</td>
<td>3.8</td>
<td>4</td>
<td>4</td>
</tr>
<tr>
<td>Installed capacity</td>
<td>kW</td>
<td>100</td>
<td>200</td>
<td>210</td>
</tr>
<tr>
<td>Accuracy of aggregate</td>
<td>kg</td>
<td>± 2%</td>
<td>± 2%</td>
<td>± 2%</td>
</tr>
<tr>
<td>Accuracy of cement</td>
<td>kg</td>
<td>± 1%</td>
<td>± 1%</td>
<td>± 1%</td>
</tr>
<tr>
<td>Accuracy of ash</td>
<td>kg</td>
<td>± 1%</td>
<td>± 1%</td>
<td>± 1%</td>
</tr>
<tr>
<td>Accuracy of water</td>
<td>kg</td>
<td>± 1%</td>
<td>± 1%</td>
<td>± 1%</td>
</tr>
<tr>
<td>Accuracy of additive</td>
<td>kg</td>
<td>± 1%</td>
<td>± 1%</td>
<td>± 1%</td>
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<tr>
<td>Standard reference total amount</td>
<td>kg</td>
<td>40</td>
<td>75</td>
<td>86</td>
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</tbody>
</table>

Remarks: when assessing the dynamic accuracy of concrete materials, the batching amount shall be between 30% and 100% of full measuring range of corresponding batch weigher in accordance with national standards.