Concrete Mixer

**Brief Introduction**

The EP-ZJ planetary mixers with vertical shaft allow the rapid mixing of all types of quality concrete (dry, wet and plastic). The planetary motion of the EP-ZJ mixer enables it to be used not only in the production of concrete, but also in the mixing of materials for production of glass, ceramics, refractory materials, etc.

**Main Features**

1. The gearhead unit, specially designed for a balanced distribution of power to various mixing devices, ensures a low-noise rotation without backlash even under severe working conditions. Compared to the traditional gearboxes, this unit takes less space and the maintenance space of the mixer can be enlarged.
2. Equipped with a mechanical coupling and a hydraulic coupling option, which can protect the transmission devices from overloading and impacts.
3. High-hard cast iron blades are more wear-resistant. As an alternative, we also offer polyurethane blades for special requirements.
4. According to different materials, the liner and side can be made of cast-iron, high density steel plate (Sweden original) or hard surface material.
5. Large access facility is for easy maintenance and cleaning. The easy-operated safety switch guarantees the motor can be powered with cover open.
6. Hydraulic unit equipped with manual valve allows the door to be opened in case of electric failure.
7. The discharging door is equipped with two mechanisms, which can be opened at any angle. Maximum mixing discharging door is available.
8. Pressure sensor and high pressure vacuum system can be custom-made.
9. From optimal model selection to customerized mixer for special application situations, EP can offer a full range of technical support and maintenance services.

**Options**

- 1. Accuracy control of moisture and temperature, can make the material achieve the best quality.
- 2. Fully enclosed structure, high quality maintenance.
- 3. Rough mixing, high efficiency.
- 4. Gravel, Arabia, etc.
- 5. Large dust extraction system.
- 6. Water pumping.
- 8. Material feeding system.
- 10. Fast access to the working area.

**Technical Parameters**

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Model</td>
<td>EP-ZJ</td>
</tr>
<tr>
<td>Power</td>
<td>20kW</td>
</tr>
<tr>
<td>Capacity</td>
<td>0.5m³</td>
</tr>
<tr>
<td>rpm</td>
<td>300</td>
</tr>
<tr>
<td>Discharge</td>
<td>0.3m³</td>
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<tr>
<td>Weight</td>
<td>500kg</td>
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</tbody>
</table>

**Mixing Materials**

- Fly ash, slag, etc.
- Sand, gravel, etc.

**Mixing Ratios**

- Fly ash: 5%
- Slag: 20%
- Sand: 40%
- Gravel: 35%

**Material Feeding System**

- Automatic material feeding system
- Manually controlled feeding system

**Material Mixing System**

- High efficiency mixing system
- Rough mixing system

**Discharge System**

- Automatic discharge system
- Manual discharge system

**Maintenance System**

- High pressure cleaning system
- Automatic lubrication system

**Safety System**

- Safety interlock system
- Emergency stop system

**Environmental Protection**

- Low noise operation
- Low dust emission