### Mixer Tank
- 1/4" drum wall on Models 8, 16, 21 and 30
- 5/16" drum wall on Models 54, 81 and 100
- 1/2" end plates on Models 8, 16, 21, 30 and 54
- 3/4" end plates on Model 81 and 100
- 3" drain in center of tank bottom

### Drive Train
- Shaft mounted reducer on Models 8, 16, 21 and 30
- Planetary transmission on Models 54, 81 and 100
- Belt-driven input
- Output shaft coupled directly to mixer shaft
- TEFC 230/460 volt, 3 phase, 60 hertz motor

### Liners
- Cast ni-hard drum liners
- Abrasion resistant steel side liners
- All are replaceable, bolted segments

### Discharge Door
- Located in rear of drum with a rubber door seal
- Air cylinder operated linkage with discharge valve
- Flow control valve for speed adjustment
- Air line lubricator and moisture trap

### Shaft Assembly
- Cast NI-Hard mixing paddles (or spiral blade)
- Abrasion resistant steel side wipers
- Replaceable wear guards for shaft
- Sealed, self-aligning pillow block bearings
- Lubrication cup with visual level indicator and spring-operated feeder for proper lubrication

### Mixer Cover
- Steel top cover lid
- Dual hinged access doors in front and back of mixer
- Doors include ‘doors closed’ interlock switches
- Doors and top cover are gasketed for dust containment

### Shaft Seals
- Primary double labyrinth seal and secondary “cat” seal
- Split construction for field servicing
- Both seals are purged with ‘Vellox 3’ grease
- 4-point remote lubrication panel

### Paint
- One color, high grade machinery enamel
**MIXER**

**HORIZONTAL SHAFT MIXER**

### MODEL INPUT CAPACITY MOTOR

<table>
<thead>
<tr>
<th>MODEL</th>
<th>INPUT CAPACITY</th>
<th>MOTOR</th>
</tr>
</thead>
<tbody>
<tr>
<td>8</td>
<td>8 CU FT or 800 LBS</td>
<td>7-1/2 HP</td>
</tr>
<tr>
<td>16</td>
<td>16 CU FT or 1,600 LBS</td>
<td>10 HP</td>
</tr>
<tr>
<td>21</td>
<td>21 CU FT or 2,100 LBS</td>
<td>15 HP</td>
</tr>
<tr>
<td>30</td>
<td>30 CU FT or 3,000 LBS</td>
<td>30 HP</td>
</tr>
<tr>
<td>54</td>
<td>54 CU FT or 5,400 LBS</td>
<td>50 HP</td>
</tr>
<tr>
<td>81</td>
<td>81 CU FT or 8,100 LBS</td>
<td>75 HP</td>
</tr>
<tr>
<td>100</td>
<td>100 CU FT or 10,000 LBS</td>
<td>(2) 75 HP</td>
</tr>
</tbody>
</table>

### DESCRIPTION / MODEL

<table>
<thead>
<tr>
<th>DESCRIPTION / MODEL</th>
<th>8</th>
<th>16 / 21</th>
<th>30</th>
<th>54</th>
<th>81</th>
<th>100</th>
</tr>
</thead>
<tbody>
<tr>
<td>A OVERALL LENGTH</td>
<td>4’-11&quot;</td>
<td>7’-7&quot;</td>
<td>8’-7&quot;</td>
<td>10’-11&quot;</td>
<td>13’-8&quot;</td>
<td>18’-10&quot;</td>
</tr>
<tr>
<td>B OVERALL WIDTH</td>
<td>3’-11&quot;</td>
<td>4’-8&quot;</td>
<td>5’-9&quot;</td>
<td>6’-0&quot;</td>
<td>6’-1&quot;</td>
<td>6’-1&quot;</td>
</tr>
<tr>
<td>C OVERALL HEIGHT</td>
<td>3’-9&quot;</td>
<td>5’-2&quot;</td>
<td>5’-8&quot;</td>
<td>6’-1&quot;</td>
<td>6’-4”</td>
<td>6’-4”</td>
</tr>
<tr>
<td>MIXER WEIGHT</td>
<td>1,825</td>
<td>3,500 LBS</td>
<td>5,500 LBS</td>
<td>11,000 LBS</td>
<td>16,000 LBS</td>
<td>25,000 LBS</td>
</tr>
</tbody>
</table>

**MIXER SYSTEMS, INC.**

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