Laboratory PDDM Specifications and Dimensions

STANDARD FEATURES:

• Full vacuum change can design
• Vertical lift design (reverse lift) for raising of mix can to the operating position
• Integrated base design for mounting on table top or work bench
• Two (2) Rectangular Stirrers or High Viscosity “HV” Blades
• Two (2) High Speed Disperser Shafts and Blades
• Agitator drive components and lift system are fully sheathed
• Stainless steel type 304 wetted parts with 80-grit finish
• Non-stainless steel components are finished with a durable two-part epoxy coating
• TEFC 230/460 volt, 3 phase, 60 Hz motors
• Stainless steel gearbox with Viton sealing O-rings and lip seals on stirrer shaft, disperser shaft and upper gearbox cover
• Safety limit switch to prevent operation of the mixer when the mix vessel is not in the mixing position

AVAILABLE OPTIONS:

• Wetted parts can be stainless steel type 316, Hastelloy or other special alloys
• Sanitary design with high surface finishes, sanitary connections/ports, stainless steel enclosure
• Second disperser blade added to each HSD shaft.
• Sidewall scraper arm and bottom scraper with replaceable Teflon blade
• Internal pressure design
• Sight/charge ports, inlet/outlet nozzles and tank light
• Temperature probes, pressure transducers and other sensors
• Jacketed mix vessel for heating and/or cooling
• Internally-machined mix vessel for use with Ross Discharge System and scraper(s) and applications requiring close blade-to-bowl clearances
• Carbon steel or stainless steel mixer bench. Common bench design also offered for mounting both mixer and Discharge System
• Operator controls including variable frequency drives, explosion-proof operator stations and PLC recipe controls
• Vacuum pump, heater, chiller and other auxiliary equipment

<table>
<thead>
<tr>
<th>Model</th>
<th>Mixing Capacity</th>
<th>Planetary Stirrers</th>
<th>High Speed Dispersers</th>
<th>Height (Mixer Base to Bonnet Cover)</th>
<th>Overall Height</th>
<th>Overall Width</th>
<th>Overall Length</th>
<th>Mix Vessel Overall Height</th>
<th>Mix Vessel Inner Diameter</th>
<th>Mix Vessel Depth</th>
<th>Weight</th>
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</thead>
<tbody>
<tr>
<td></td>
<td>gallons</td>
<td>HP</td>
<td>Orbital RPM</td>
<td>Stirrer RPM</td>
<td>HP</td>
<td>Disperser RPM</td>
<td>inches</td>
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<td>inches</td>
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<td>860 - 8600</td>
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<td>79</td>
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<td>8</td>
<td>9.63</td>
<td>6.5</td>
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<td>733 - 7330</td>
<td>54</td>
<td>83</td>
<td>42</td>
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<td>9.63</td>
<td>14</td>
<td>8</td>
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