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 (Mix Base to Bonnet Cover)</th>
<th>Bench 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>
<td>inches</td>
<td>inches</td>
<td>inches</td>
<td>lbs</td>
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<td>11 - 112</td>
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