SECTION 11110
LAUNDRY WASHER-EXTRACTOR, 45 LB. (20.4 KG) CAPACITY

PART 1 GENERAL

1.01 SECTION INCLUDES:
   A. Automatic laundry washer-extractor for processing water-washed linen items

1.02 SYSTEM DESCRIPTION
   A. DESIGN REQUIREMENTS:
      1. Construction: 304 or equal stainless steel cylinder, tub and cover panels
      2. Input voltage: X: 200-240/60/1 or 3; 2-3 wire plus ground
      3. Dry weight capacity: 45 lb. (20.4 kg)
      4. Wash cylinder volume: 7.21 cu ft (204164 cu cm) minimum
      5. Overall width: 34.12 inches (867 mm) nominal
      6. Overall height: 64.63 inches (1642 mm) nominal
      7. Overall depth: 44.33 inches (1126 mm) nominal
      8. Number and size of water connections: 2 with 3/4 inch (19 mm) NH male connections
      9. Number and size of drain outlets: 1 at 3 inch (76 mm)
     10. Overflow: Internally plumbed
     11. Control system: Programmable microprocessor
     12. Cylinder drive: Single motor, 5 hp with inverter drive, capable of 518 RPM through a direct drive poly V-belt system

   B. PERFORMANCE REQUIREMENTS:
      1. Number of selectable wash speeds: 2
      2. Number of programmable extract speeds: 1
      3. G-force at highest extract speed: 100
      4. Chemical supply system
         a. automatic flushing and connections for 5 external supply lines and control signals for 4 external supplies
      5. Control system
         a. Programmable microprocessor; (manual, PDA or laptop PC)
         b. 30 programmable cycles
         c. 30 programmable water levels
         d. Cycle counter
         e. Temperature controlled fill and thermal cool down
         f. Water monitoring: fill value, slow drain and automatic leak detection system
         g. Diagnostic capabilities
      6. Drain valve automatically opens in event of power failure
1.03 DELIVERY, STORAGE AND HANDLING
   A. ACCEPTANCE AT SITE:
      1. Inspect machine for damage prior to acceptance. If damage is found, follow freight 
         handler’s procedure for claims.
   B. STORAGE AND PROTECTION
      1. Machine should be stored in a site protected from weather, direct sunlight and 
         temperature extremes. Do not remove packaging prior to storage.
      2. If machine is to be stored for an extended period of time, consult manufacturer for special 
         requirements.

1.04 SYSTEM STARTUP AND COMMISSIONING
   A. Machine installation should be inspected by local manufacturer’s representative prior to startup 
      and operation. The party installing the machine is responsible for setting the schedule for this 
      inspection.

PART 2 PRODUCTS

2.01 MANUFACTURERS
   A. Alliance Laundry Systems, UniMac, obtain commercial laundry equipment from a single 
      manufacturer

2.02 QUALIFIED MODELS
   A. UniMac model UWM045K2L (no substitutions)

PART 3 EXECUTION

3.01 INSTALLATION
   A. Refer to and comply with manufacturer’s installation instructions. Do not deviate without 
      permission from site owner, architect, general contractor and manufacturer’s local 
      representative.
Dimensions and Foundation Requirements

Electrical Specifications

<table>
<thead>
<tr>
<th>Code</th>
<th>Voltage</th>
<th>Cycle</th>
<th>Phase</th>
<th>Wire</th>
<th>Full Load</th>
<th>Breaker (Non-Fused)</th>
<th>AWG</th>
<th>mm²</th>
</tr>
</thead>
<tbody>
<tr>
<td>X</td>
<td>200-240</td>
<td>50/60</td>
<td>1/3</td>
<td>2/3</td>
<td>8/6</td>
<td>15</td>
<td>14</td>
<td>2.5</td>
</tr>
</tbody>
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Water, Drain and Weight Specifications

<table>
<thead>
<tr>
<th>Drain: Number (Size)</th>
<th>1 (3 in.)</th>
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<tbody>
<tr>
<td>Water Connections: Number (Size)</td>
<td>2 (0.75 in.)</td>
</tr>
<tr>
<td>Weight: Machine (With Shipping Packaging)</td>
<td>1020 lbs. (1065 lbs.)</td>
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<tr>
<td>Side Clearance:</td>
<td>6 in. (minimum) 18 in. (recommended)</td>
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