SECTION 11110

LAUNDRY WASHER-EXTRACTOR, 100 LB. (45.4 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 & cover panels
      2. Input voltage: 208-240/60/3, 3 wire plus ground
      3. Dry weight capacity: 100 lb. (45.4 kg)
      4. Wash cylinder volume: 15.9 cu ft (450 L) minimum
      5. Overall width: 41.5 inches (1054 mm) nominal
      6. Overall height: 68.5 inches (1816 mm) nominal
      7. Overall depth: 54.5 inches (1384 mm) nominal
      8. Number & size of water supply inlet valves: 2 at 3/4 inch (19 mm), with 3/4 inch (19 mm) NH male connections
      9. Number & size of drain outlets: 1 at 3 inch (76 mm)
     10. Overflow: Internally plumbed
     11. Control system: Programmable microprocessor
     12. Cylinder drive: Single motor, 7.5 hp, capable of 594 RPM maximum
   B. PERFORMANCE REQUIREMENTS:
      1. Number of programmable cylinder speeds: 5
      2. G-force at highest extract speed: 180 G's
      3. Chemical supply system
         a. manually filled 5 compartment dry chemical dispensing system
         b. automatic flushing & connections for 5 external supply lines & control signals for 5 external supplies
      4. Control system
         a. Programmable microprocessor: machine keypad, Windows PDA/laptop
         b. 30 cycle capacity
         c. 30 programmable water levels
         d. Real-time clock to record events by date and time
         e. Cycle counter
         f. Temperature controlled fill and thermal cool-down capability
         g. Water monitoring: slow drain and automatic leak detection system
         h. Diagnostic capabilities
5. Drain valve automatically opens in event of power failure

1.03 DELIVERY, STORAGE & 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 & PROTECTION
   1. Machine should be stored in a site protected from weather, direct sunlight & 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 & COMMISSIONING

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

PART 2 PRODUCTS

A. Source quality
B. Alliance Laundry Systems LLC - UniMac, obtain commercial laundry equipment from a single manufacturer

1.02 QUALIFIED MODELS

A. UniMac model UWN100K1M (no substitutions)

PART 3 EXECUTION

1.01 INSTALLATION

A. Refer to & comply with manufacturer’s installation instructions. Do not deviate without permission from site owner, architect, general contractor & manufacturer’s local representative.
Machine Dimensions and Specifications
Models UWN100K1MQ and UWN100K1MR

Dimensions and Foundation Requirements

Electrical Specifications

<table>
<thead>
<tr>
<th>Voltage Designation</th>
<th>Non-Electric Heat Machines (Standard)</th>
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<tbody>
<tr>
<td>Code</td>
<td>Voltage</td>
</tr>
<tr>
<td>---</td>
<td>---</td>
</tr>
<tr>
<td>Q</td>
<td>200-240</td>
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<tr>
<td>R</td>
<td>308-480</td>
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Water, Drain and Weight Specifications

<table>
<thead>
<tr>
<th>Specification</th>
<th>Details</th>
</tr>
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<tbody>
<tr>
<td>Drain: Number (Size)</td>
<td>2 (3 in.)</td>
</tr>
<tr>
<td>Fill Water Inlets: Number (Size)</td>
<td>2 (0.75 in.)</td>
</tr>
<tr>
<td>Weight: Machine (With Shipping Packaging)</td>
<td>1770 lbs. (1835 lbs.)</td>
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<tr>
<td>Side Clearance:</td>
<td>6 in. (minimum) 18 in. (recommended)</td>
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