SECTION 11110

LAUNDRY WASHER-EXTRACTOR, 135 LB. (61.2 KG) CAPACITY

PART 1 GENERAL

1.01 SECTION INCLUDES:
A. Freestanding 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, front & top panels
2. Input voltage: 208-240/60/3, 3 wire plus ground
3. Dry weight capacity: 135 lb. (61.2 kg)
4. Wash cylinder volume: 20.7 cu ft (586,159 cu cm) minimum
5. Overall width: 47-3/10 inches (1201 mm) nominal
6. Overall height: 75-3/5 inches (1920 mm) nominal
7. Overall depth: 59-1/10 inches (1501 mm) nominal
8. Number & size of water supply inlet valves: 4 at 3/4 inch (19 mm), all with 3/4 inch (19 mm) NPT 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, 10 hp, capable of 800 RPM maximum, using a rotation sensor to monitor performance
13. Bearing lubrication: Shall include an automatic lubrication system
14. Door mechanism: Shall use a push bar for ease of use

B. PERFORMANCE REQUIREMENTS:
1. Number of selectable cylinder speeds: 7, including 1/2 speed for processing delicate items
2. G-force at highest extract speed: 350 G's
3. Chemical supply system
   a. manually filled 3 compartment dry chemical dispensing system
   b. automatic flushing & connections for 8 external supply lines & control signals for 5 external supplies
4. Programmable infinite water levels
5. Control system
   a. programmable microprocessor
   b. 99 cycle capacity
   c. RS-232 PC link for programming
   d. capable of precise temperature controlled fills
e. thermal cooldown  
f. overnight soak  
g. cycle count  
h. time remaining display  
6. Drain valve automatically open 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 **UX135PV** (no substitution)

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.
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>N</td>
<td>440-480</td>
</tr>
<tr>
<td>P</td>
<td>380-415</td>
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<tr>
<td>Q</td>
<td>200-240</td>
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Water, Drain and Weight Specifications

<table>
<thead>
<tr>
<th>Specification</th>
<th>Details</th>
</tr>
</thead>
<tbody>
<tr>
<td>Drain: Number (Size)</td>
<td>1 (3 in.)</td>
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<tr>
<td>Fill Water Inlets:</td>
<td>Number (Size) 4 (0.75 in.)</td>
</tr>
<tr>
<td>Weight: Machine (With Shipping Packaging)</td>
<td>3626 lbs. (4017 lbs.)</td>
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<tr>
<td>Side Clearance:</td>
<td>6 in. (minimum) 18 in. (recommended)</td>
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Part No. 10-09-228
November 2009