SECTION 11110
TUMBLE DRYER, 50 LB. (22.7 KG) CAPACITY

PART 1  GENERAL

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

1.02 SYSTEM DESCRIPTION
   A. DESIGN REQUIREMENTS:
      1. Dry weight capacity: 50 lb. (22.7 kg)
      2. Cylinder volume: 18.67 cu ft (528676 cu cm) minimum
      3. Construction: Heavy duty embossed steel with e-coat and baked enamel powder paint
      4. Input voltage: 120/208-240/60/1
      5. Heat source: Gas, natural, 1/2 inch (13 mm) NPT
      6. Overall width: 38-5/8 inches (981 mm) nominal
      7. Overall height: 76-5/8 inches (1946 mm) nominal
      8. Overall depth: 47 inches (1194 mm) nominal
      9. Exhaust size: 8 inch (203 mm)
     10. Control system: Microprocessor touchpad control
     11. Door: High grade stainless steel reversible door with 7/8 inch (22 mm) rubber gasket and heavy duty hinge.

   B. PERFORMANCE REQUIREMENTS:
      1. BTU input: 120,000
      2. Airflow: 750 CFM (21.2 CMM)
      3. Motor horsepower: 1/2 hp
      4. Control system
         a. minimum of eight automatic drying cycles
         b. ability to time dry
         c. variable temperature settings from 120 - 180°F (49 - 82°C)
         d. wrinkle free at cycle end allowing 2-1/2 minutes of tumble and 2-1/2 minutes of rest until door opens or maximum of one hour
      5. Lint filter: 576 sq. inch (3716 sq. cm), self cleaning, depositing lint to large storage area at bottom of tumbler

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 WARRANTY
   A. Warranty Period: Three years, limited, parts only, commencing on Date of Substantial completion

1.05 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 UT050NOM (no substitutions permitted)

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 UT050L and UT050N

Dimensions

- **TMB33F**
  - 76.625 in. (1946 mm)
  - 38.625 in. (981 mm)
  - 48.25 in. (1226 mm)
  - 65.75 in. (1670 mm)
- **Front**
  - 33.87 in. (860 mm)
  - 30.75 in. (781 mm)
- **Right Side**
  - 5.375 in. (137 mm)
- **Back**
  - 75.5 in. (1918 mm)
  - 65.75 in. (1670 mm)
- **Electrical Connection**
  - 3.25 in. (83 mm)
  - Diameter 8 in. (203 mm)
- **Gas Inlet**
  - 1/2 in. NPT

Specifications

- **Net Weight**: 545 lbs.
- **Make-up Air Opening**: 144 sq. in.
- **Maximum Airflow per Pocket**: 750 C.F.M.
- **Maximum Static Back Pressure**: 0.5 Inches W.C.
- **Gas Burner Rating**: 130,000 Btu/hr

**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>Fuse or Breaker Rating</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Nonreversing</td>
<td>Reversing</td>
</tr>
<tr>
<td>B1</td>
<td>120</td>
<td>60</td>
<td>1</td>
<td>2</td>
<td>9.3</td>
<td>N/A</td>
</tr>
<tr>
<td>F3</td>
<td>200-208</td>
<td>60</td>
<td>1</td>
<td>2</td>
<td>5.1</td>
<td>N/A</td>
</tr>
<tr>
<td>F5</td>
<td>200-208</td>
<td>60</td>
<td>3</td>
<td>3</td>
<td>2.8</td>
<td>4.0</td>
</tr>
<tr>
<td>J8</td>
<td>240</td>
<td>60</td>
<td>3</td>
<td>3</td>
<td>2.8</td>
<td>4.0</td>
</tr>
<tr>
<td>Q1</td>
<td>460-480</td>
<td>60</td>
<td>3</td>
<td>3</td>
<td>1.4</td>
<td>1.9</td>
</tr>
</tbody>
</table>

- *3 Phase machines should not have fuses, breakers only.*