SECTION 11110
TUMBLE DRYER, 170 LB. (77.1 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: 170 lb. (77.1 kg)
      2. Cylinder volume: 49.7 cu ft (1407347 cu cm) minimum
      3. Construction: Heavy duty embossed steel with e-coat and baked enamel powder paint
      4. Input voltage: 208-240/60/3
      5. Heat source: Gas, natural, 1 inch (25 mm) NPT
      6. Overall width: 53-1/8 inches (1349 mm) nominal
      7. Overall height: 94 inches (2388 mm) nominal
      8. Overall depth: 66-1/8 inches (1679 mm) nominal
      9. Exhaust size: 12 inch (305 mm)
     10. Control system: Microprocessor touchpad control
     11. Stainless steel door: High grade stainless steel door with 7/8 inch (22 mm) rubber gasket and heavy duty hinge

   B. PERFORMANCE REQUIREMENTS:
      1. BTU input: 395,000
      2. Airflow: 2450 CFM (69.38 CMM)
      3. Motor horsepower: 3 hp fan and 3/4 hp cylinder
      4. Reversing cylinder
      5. Control system
         a. Programming methods: Machine keypad, Infrared (PC or PDA)
         b. 30-Cycle Capability
         c. PC software to program machine and/or audit machine performance
         d. Record last eight machine errors by date and time
         e. Over Dry Prevention Technology (OPTidry™) system utilizes two cylinder lifters as sensors (note: some capacities only have one sensor lifter)
         f. Maintenance-free rotary transfer switch communicates signal between OPTidry™ sensor/lifters and control
         g. Wrinkle free at cycle end allowing 30 seconds of tumble and 1-1/2 minutes of rest until door opens or maximum of one hour
      6. Lint filter: 1653 sq. inch (10664 sq. cm), self cleaning, depositing lint to large storage area at bottom of tumbler
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 WARRANTY
   A. Warranty Period: Three years, limited, parts only, commencing on Date of Substantial
      completion.

1.05 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 LLC - UniMac, obtain commercial laundry equipment from a single
      manufacturer.

2.02 QUALIFIED MODELS
   A. UniMac model UT170NRE (no substitutions permitted).

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

**FRONT**
- 94 in. (2388 mm)
- 53.12 in. (1349 mm)
- Min. distance 36 in. (914 mm)
- Make-up Air Opening 21 in. (533 mm)
- Min. Clearance 24 in. (610 mm) Rec. Clearance 36 in. (914 mm)
- Min. clearance both sides of duct 2 in. (51 mm)

**RIGHT SIDE**
- 32.5 in. (826 mm)
- 33.86 in. (860 mm)
- Gas Inlet 1 in. NPT
- Electrical Connection 1 in. NPT
- Min. Clearance 14.85 in. (377 mm)
- Exhaust 12 in. (305 mm)
- Make-up Air 42.38 in. (1076 mm)

**BACK**
- 6.75 in. (171 mm)
- 68.85 in. (1749 mm)
- Min. clearance both sides of duct 2 in. (51 mm)

### Specifications

- **Net Weight**: 1575 lbs.
- **Make-up Air Opening**: 525 sq. in.
- **Maximum Airflow per Pocket**: C.F.M. 2450
- **Maximum Static Back Pressure**: Inches W.C. 0.3
- **Gas Burner Rating**: 395,000 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 Amps</th>
<th>Breaker Amps</th>
<th>Breaker Poles</th>
<th>AWG</th>
</tr>
</thead>
<tbody>
<tr>
<td>F6</td>
<td>200-208, 240</td>
<td>60</td>
<td>3</td>
<td>3</td>
<td>13.5</td>
<td>20</td>
<td>3</td>
<td>12</td>
</tr>
<tr>
<td>Q1</td>
<td>460-480</td>
<td>60</td>
<td>3</td>
<td>3</td>
<td>6.7</td>
<td>15</td>
<td>3</td>
<td>14</td>
</tr>
</tbody>
</table>