SECTION 11110
TUMBLE DRYER, 25 LB. (11.3 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: 25 lb. (11.3 kg)
2.  Cylinder volume: 7.66 cu ft (216907 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: 28 inches (711 mm) nominal
7.  Overall height: 63-7/8 inches (1622 mm) nominal
8.  Overall depth: 40-7/8 inches (1038 mm) nominal
9.  Exhaust size: 6 inch (152 mm)
10.  Control system: Dual timers for drying and cooldown, along with variable temperature settings
11.  Stainless steel door: High grade stainless steel door with 7/8 inch (22 mm) rubber gasket and two point heavy duty hinge

B.  PERFORMANCE REQUIREMENTS:
1.  BTU input: 64,000
2.  Airflow: 500 CFM (14.2 CMM)
3.  Motor horsepower: 1/4 hp cylinder and 1/4 hp fan
4.  Control system
   a.  timer for drying 1 - 60 minutes
   b.  timer for cooldown 1 - 15 minutes
   c.  variable temperature settings from 120 - 190°F (49 - 88°C)
   d.  digital display of time remaining in cycle
   e.  wrinkle free cycle for maximum 1 hour or until door opens
5.  Lint filter: 480 sq. inch (3097 sq. cm), self cleaning, depositing lint to large storage area at bottom of tumble

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 UT025NQT (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 UT025L and UT025N

Dimensions

Tumbler

Min. distance
36 in.
(914 mm)

Exhaust airflow-
Max. duct length
14 ft. (4.3 m)

Min. clearance
both sides of duct
2 in. (51 mm)

Gas Inlet
1/2 in. NPT

Electrical Connection
2 in. (51 mm)

Make-up Air Opening

Min. Clearance
24 in. (610 mm)
Rec. Clearance
36 in. (914 mm)

Back

62.25 in.
(1581 mm)

Min. Clearance
18 in. (457 mm)

TMB28F

3.875 in.
(99 mm)

Diameter 6 in.
(152 mm)

4.625 in.
(117 mm)

Specifications

<table>
<thead>
<tr>
<th>Specification</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Net Weight</td>
<td>300 lbs.</td>
</tr>
<tr>
<td>Make-up Air Opening</td>
<td>110 sq. in.</td>
</tr>
<tr>
<td>Maximum Airflow per Pocket: C.F.M.</td>
<td>500</td>
</tr>
<tr>
<td>Maximum Static Back Pressure: Inches W.C.</td>
<td>0.8</td>
</tr>
<tr>
<td>Gas Burner Rating:</td>
<td>64,000 Btu/hr</td>
</tr>
</tbody>
</table>

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>Fuse or Breaker Rating</th>
<th>Breaker Poles</th>
<th>AWG</th>
</tr>
</thead>
<tbody>
<tr>
<td>B2</td>
<td>120</td>
<td>60</td>
<td>1/2/3</td>
<td>12</td>
<td>15</td>
<td>1</td>
<td>14</td>
<td></td>
</tr>
<tr>
<td>F6</td>
<td>200-208, 240</td>
<td>60</td>
<td>3/3</td>
<td>3.2</td>
<td>10*</td>
<td>3</td>
<td>14</td>
<td></td>
</tr>
<tr>
<td>G2</td>
<td>208-240</td>
<td>60</td>
<td>1/2/3</td>
<td>6.7</td>
<td>10</td>
<td>10*</td>
<td>3</td>
<td>14</td>
</tr>
<tr>
<td>Q1</td>
<td>460-480</td>
<td>60</td>
<td>3/3</td>
<td>1.6</td>
<td>10*</td>
<td>3</td>
<td>14</td>
<td></td>
</tr>
</tbody>
</table>

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