SECTION 11110
TUMBLE DRYER, 55 LB. (24.9 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: 55 lb. (24.9 kg)
      2. Cylinder volume: 17.3 cu ft (419089 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: 34-1/2 inches (876 mm) nominal
      7. Overall height: 66-3/4 inches (1695 mm) nominal
      8. Overall depth: 53-5/8 inches (1362 mm) nominal
      9. Exhaust size: 8 inch (203 mm)
     10. Control system: Microprocessor touchpad control
     11. Door: High grade stainless steel door with 7/8 inch (22 mm) rubber gasket and heavy duty hinge

   B. PERFORMANCE REQUIREMENTS:
      1. BTU Input: 112,000
      2. Airflow: 700 CFM (19.8 CMM)
      3. Motor horsepower: 1/2 hp cylinder and 1/2 hp fan
      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 UT055NOM (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 UT055L and UT055N

Dimensions

TMB28F

66.72 in.
(1694 mm)

34.5 in.
(876 mm)

65.187 in.
(1656 mm)

38.25 in.
(972 mm)

31.88 in.
(810 mm)

31.88 in.
(810 mm)

38.25 in.
(972 mm)

38.25 in.
(972 mm)

4.808 in.
(122 mm)

4.808 in.
(122 mm)

6.156 in.
(156 mm)

6.156 in.
(156 mm)

Min. distance
36 in.
(914 mm)

Min. distance
36 in.
(914 mm)

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

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

Gas Inlet
1/2 in. NPT

Gas Inlet
1/2 in. NPT

Electrical Connection
1.765 in. (45 mm)

Electrical Connection
1.765 in. (45 mm)

Make-up Air Opening

Make-up Air Opening

Tumbler

Tumbler

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

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

Specifications

<p>| | |</p>
<table>
<thead>
<tr>
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<tr>
<td>Net Weight</td>
<td>435 lbs.</td>
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<tr>
<td>Make-up Air Opening</td>
<td>144 sq. in.</td>
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<td>Maximum Airflow per</td>
<td>700</td>
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<td>Pocket: C.F.M.</td>
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<td>Maximum Static Back</td>
<td>0.6</td>
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<td>Pressure: Inches W.C.</td>
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<td>Gas Burner Rating</td>
<td>112,000 Btu/hr</td>
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Electrical Specifications

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<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>
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<tbody>
<tr>
<td>B2</td>
<td>120</td>
<td>60</td>
<td>1</td>
<td>2/3</td>
<td>9.2</td>
<td>15</td>
<td>1</td>
<td>14</td>
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<tr>
<td>F6</td>
<td>200-208</td>
<td>60</td>
<td>3</td>
<td>3</td>
<td>4.0</td>
<td>10*</td>
<td>3</td>
<td>14</td>
</tr>
<tr>
<td>G2</td>
<td>208-240</td>
<td>60</td>
<td>1</td>
<td>2/3</td>
<td>6.5</td>
<td>10</td>
<td>2</td>
<td>14</td>
</tr>
</tbody>
</table>

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