SECTION 11110
TUMBLE DRYER, 2 X 30 LB. (2 X 13.6 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: 2 x 30 lb. (2 x 13.6 kg)
   2. Cylinder volume: 2 x 10.6 cu ft (2 x 300159 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: 31-1/2 inches (800 mm) nominal
   7. Overall height: 76-1/4 inches (1937 mm) nominal
   8. Overall depth: 42-7/8 inches (1089 mm) nominal
   9. Exhaust size: 8 inch (203 mm)
   10. Control system: Dual timers for drying and cooldown, along with variable temperature settings
   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: 2 x 73,000
   2. Airflow: 2 x 400 CFM (2 x 11.3 CMM)
   3. Motor horsepower: 2 x 1/4 hp fan and 2 x 1/4 hp motor
   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
   5. Lint filter: 2 x 405 sq. inch (2 x 2613 sq. cm)

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 UTT30NQT (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 UTT30L, UTT30N, UTT45L and UTT45N

Dimensions

**T30** - 76.25 in. (1937 mm)
**T45** - 81.25 in. (2063.75 mm)
**T30** - 31.5 in. (800 mm)
**T45** - 34.5 in. (876 mm)
**T30** - 10 in. (254 mm)
**T45** - 9 in. (229 mm)
**T30** - 42.76 in. (1086 mm)
**T45** - 48.62 in. (123 mm)

**Make-up Air Opening**

Min. distance 36 in. (914 mm)

**Exhaust airflow**

Max. duct length 14 ft. (4.3 m)

**Gas Inlet**

1/2 in. NPT

**Electrical Connection**

1/2 in. NPT

**Min. Clearance**

24 in. (610 mm)

**Rec. Clearance**

36 in. (914 mm)

**Make-up Air Opening**

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

**Tumbler**

**Min. clearance**

2 in. (51 mm)

**Right Side**

**Gas Inlet**

1/2 in. NPT

**Diameter (elliptical)**

**Back**

**Min. clearance both sides of duct**

2 in. (51 mm)

**Min. distance**

2 in. (51 mm)

**T30** - 59 in. (1498 mm)
**T45** - 62.5 in. (1588 mm)
**T30** - 75.2 in. (1910 mm)
**T45** - 78.75 in. (2000 mm)
**T30** - 8 in. (203 mm)
**T45** - 10 in. (254 mm)

Specifications

<table>
<thead>
<tr>
<th></th>
<th>T30</th>
<th>T45</th>
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<tbody>
<tr>
<td><strong>Net Weight: Pounds</strong></td>
<td>544</td>
<td>673</td>
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<tr>
<td><strong>Make-up Air Opening: Square inches</strong></td>
<td>220</td>
<td>288</td>
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<tr>
<td><strong>Maximum Airflow per Pocket: C.F.M.</strong></td>
<td>400</td>
<td>600</td>
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<td><strong>Maximum Static Back Pressure: Inches W.C.</strong></td>
<td>0.9</td>
<td>0.9</td>
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<td><strong>Gas Burner Rating: Btu/hr.</strong></td>
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<td>95,000</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 (Amps)</th>
<th>Breaker Poles</th>
<th>AWG</th>
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<tr>
<td>T30</td>
<td>B2</td>
<td>120</td>
<td>60</td>
<td>1/2 3</td>
<td>16</td>
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<td>1</td>
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<td>3</td>
<td>3.3</td>
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<td>1/2 3</td>
<td>8</td>
<td>10</td>
<td>2</td>
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<td>Q1</td>
<td>460-480</td>
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<td>3.3</td>
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* 3 Phase machines should not have fuses, breakers only.

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