SECTION 11110
TUMBLE DRYER, 30 LB. (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: 30 lb. (13.6 kg)
      2. Cylinder volume: 9.57 cu ft (270992 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: 46-7/8 inches (1191 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 heavy duty hinge

   B. PERFORMANCE REQUIREMENTS:
      1. BTU input: 73,000
      2. Airflow: 500 CFM (14.2 CMM)
      3. Motor horsepower: 1/4 hp
      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 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 UT030NQT (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.
**Dimensions**

**Tumbler**

Min. distance 36 in. (914 mm)

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

**Make-up Air Opening**

Min. Clearance 24 in. (610 mm)

Rec. Clearance 36 in. (914 mm)

**Exhaust airflow**

Max. duct length 14 ft. (4.3 m)

**Gas Inlet**

1/2 in. NPT

**Electrical Connection**

2 in. (51 mm)

**Specifications**

**Net Weight** 330 lbs.

**Make-up Air Opening** 110 sq. in.

**Maximum Airflow per Pocket: C.F.M.** 500

**Maximum Static Back Pressure: Inches W.C.** 0.8

**Gas Burner Rating:** 73,000 Btu/hr

**Electrical Specifications**

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