SECTION 11110
TUMBLE DRYER, 35 LB. (15.9 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: 35 lb. (15.9 kg)
2. Cylinder volume: 12.27 cu ft (347448 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: 63-7/8 inches (1622 mm) nominal
8. Overall depth: 46-7/8 inches (1191 mm) nominal
9. Exhaust size: 8 inch (203 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: 90,000
2. Airflow: 650 CFM (18.4 CMM)
3. Motor horsepower: 1/4 hp cylinder and 1/4 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: 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.
Section 9 - Tumble Dryers

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 UT035NOM (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 UT035L and UT035N

**Dimensions**

**Front**
- Min. distance: 36 in. (914 mm)
- Min. clearance both sides of duct: 2 in. (51 mm)
- Dimensions:
  - 31.5 in. (800 mm)
  - 63.875 in. (1622 mm)

**Right Side**
- Gas Inlet: 1/2 in. NPT
- Min. distance: 36 in. (914 mm)
- Min. clearance both sides of duct: 2 in. (51 mm)
- Dimensions:
  - 31.75 in. (806 mm)
  - 46.875 in. (1191 mm)

**Back**
- Make-up Air Opening
- Exhaust airflow: Max. airflow per pocket: 650 C.F.M.
- Minimum Static Back Pressure: 0.6 Inches W.C.
- Gas Burner Rating: 90,000 Btu/hr
- Dimensions:
  - 28 in. (711 mm)
  - 27.5 in. (699 mm)

**Electrical Specifications**
- Electrical Connection: 3 in. (76 mm)
- Diameter: 8 in. (203 mm)
- Code: B2, F6, G2, Q1
- Voltage: 120, 200-208, 240
- Cycle: 60, 3, 1/2/3
- Phase: 1, 3
- Wire: 12, 6.7, 1.6
- Full Load Amps: 15, 10, 3
- Fuse or Breaker Rating (Amps): 10, 3
- Breaker Poles: 1, 3
- AWG: 14

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