SECTION 11110
TUMBLE DRYER, 170 LB. (77.1 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: 170 lb. (77.1 kg)
2. Cylinder volume: 49.7 cu ft (1407347 cu cm) minimum
3. Construction: Heavy duty embossed steel with e-coat and baked enamel powder paint
4. Input voltage: 208-240/60/3
5. Heat source: Gas, natural, 1 inch (25 mm) NPT
6. Overall width: 53-1/8 inches (1349 mm) nominal
7. Overall height: 94 inches (2388 mm) nominal
8. Overall depth: 66-1/8 inches (1679 mm) nominal
9. Exhaust size: 12 inch (305 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: 395,000
2. Airflow: 2450 CFM (69.38 CMM)
3. Motor horsepower: 3 hp fan and 3/4 hp cylinder
4. Reversing cylinder
5. 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
6. Lint filter: 1653 sq. inch (10664 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 UT170NRM (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 UT170L and UT170N

Dimensions

- **TMB52F**
  - **Front**: Dimensions (94 in. (2388 mm) x 53.12 in. (1349 mm))
  - **Right Side**: Dimensions (51.75 in. (1314 mm) x 68.85 in. (1749 mm))
  - **Back**: Dimensions (6.75 in. (171 mm) x 77.4 in. (1966 mm))

- **Min. distance**: 36 in. (914 mm)
- **Min. clearance both sides of duct**: 2 in. (51 mm)
- **Gas Inlet**: 1 in. NPT
- **Min. Clearance**: 24 in. (610 mm)
- **Rec. Clearance**: 36 in. (914 mm)
- **Make-up Air Opening**: 525 sq. in.
- **Gas Burner Rating**: 395,000 Btu/hr
- **Electrical Connection**: 21 in. (533 mm)
- **Exhaust**: 6 in. (152 mm)

Specifications

- **Net Weight**: 1575 lbs.
- **Make-up Air Opening**: 525 sq. in.
- **Maximum Airflow per Pocket: C.F.M.**: 2450
- **Maximum Static Back Pressure: Inches W.C.**: 0.3
- **Gas Burner Rating**: 395,000 Btu/hr

Electrical Specifications

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