SECTION 11110
TUMBLE DRYER, 50 LB. (22.7 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: 50 lb. (22.7 kg)
      2. Cylinder volume: 18.67 cu ft (528676 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: 38-5/8 inches (981 mm) nominal
      7. Overall height: 76-5/8 inches (1946 mm) nominal
      8. Overall depth: 47 inches (1194 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 reversible door with 7/8 inch (22 mm) rubber gasket and heavy duty hinge

   B. PERFORMANCE REQUIREMENTS:
      1. BTU input: 120,000
      2. Airflow: 750 CFM (21.2 CMM)
      3. Motor horsepower: 1/2 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. timer for displaying time remaining in cycle
         e. wrinkle free at cycle end allowing 15 seconds of tumble and 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 AND 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 AND PROTECTION
1. Machine should be stored in a site protected from weather, direct sunlight and 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 AND COMMISSIONING
A. Machine installation should be inspected by local manufacturer’s representative prior to startup and operation. The party installing the machine is responsible for setting the schedule for this inspection.

PART 2 PRODUCTS

2.01 MANUFACTURERS
A. Alliance Laundry Systems LLC - UniMac, obtain commercial laundry equipment from a single manufacturer

2.02 QUALIFIED MODELS
A. UniMac model UT050NQT (no substitutions permitted)

PART 3 EXECUTION

3.01 INSTALLATION
A. Refer to and comply with manufacturer’s installation instructions. Do not deviate without permission from site owner, architect, general contractor and manufacturer’s local representative.
### Dimensions

- **FRONT**
  - 76.625 in. (1946 mm)
  - 38.625 in. (981 mm)

- **RIGHT SIDE**
  - 48.25 in. (1226 mm)
  - 33.87 in. (860 mm)

- **BACK**
  - 65.75 in. (1670 mm)
  - 30.75 in. (781 mm)

- **TUMBLER**
  - 33.87 in. (860 mm)
  - 75.5 in. (1918 mm)

- **Make-up Air Opening**
  - Min. distance: 36 in. (914 mm)
  - Exhaust airflow:
    - Min. clearance: 24 in. (610 mm)
    - Max. duct length: 14 ft. (4.3 m)

- **Gas Inlet**
  - 1/2 in. NPT, 5.375 in. (137 mm)

- **Electrical Connection**
  - Diameter 8 in. (203 mm)

### Specifications

- **Net Weight**: 545 lbs.
- **Make-up Air Opening**: 144 sq. in.
- **Maximum Airflow per Pocket: C.F.M.**: 750
- **Maximum Static Back Pressure: Inches W.C.**: 0.5
- **Gas Burner Rating**: 130,000 Btu/hr

### Electrical Specifications

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<th>Fuse or Breaker Rating (Amps)</th>
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*3 Phase machines should not have fuses, breakers only.