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:     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:          73,000
2. Airflow:            500 CFM (14.2 CMM)
3. Motor horsepower:    1/4 hp cylinder and 1/4 hp fan
4. Control system
   a. Programming methods:   Machine keypad, Infrared (PC or PDA)
   b. 30-Cycle Capability
   c. PC software to program machine and/or audit machine performance
   d. Record last eight machine errors by date and time
   e. Over Dry Prevention Technology (OPTidry™) system utilizes two cylinder lifters as sensors (note: some capacities only have one sensor lifter)
   f. Maintenance-free rotary transfer switch communicates signal between OPTidry™ sensor/lifters and control
   g. Wrinkle free at cycle end allowing 30 seconds of tumble and 1-1/2 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 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 UT030NEO (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.
**Machine Dimensions and Specifications**

**Models UT030L and UT030N**

**Dimensions**

- **FRONT**
  - 28 in. (711 mm)
  - 26.25 in. (667 mm)
  - 31.75 in. (806 mm)
  - 46.875 in. (1191 mm)

- **RIGHT SIDE**
  - 27.5 in. (669 mm)
  - 26.25 in. (667 mm)
  - 31.75 in. (806 mm)
  - 46.875 in. (1191 mm)

- **BACK**
  - 62.25 in. (1581 mm)
  - 57 in. (1450 mm)

- **Gas Inlet**
  - 1/2 in. NPT

- **Make-up Air Opening**
  - Exhaut airflow: 500 C.F.M.
  - Max. duct length: 14 ft. (4.3 m)

- **Min. distance**
  - 36 in. (914 mm)

- **Min. clearance**
  - 2 in. (51 mm)

**Specifications**

- **Net Weight**: 330 lbs.
- **Make-up Air Opening**: 110 sq. in.
- **Maximum Airflow per Pocket**: 500 C.F.M.
- **Maximum Static Back Pressure**: 0.8 inches W.C.
- **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 (Amps)</th>
<th>Breaker Poles</th>
<th>AWG</th>
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* 3 Phase machines should not have fuses, breakers only.

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