SECTION 11110

TUMBLE DRYER, 55 LB. (24.9 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:	55 lb. (24.9 kg)
2.	Cylinder volume:	17.3 cu ft (419089 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:	34-1/2 inches (876 mm) nominal
7.	Overall height:	66-3/4 inches (1695 mm) nominal
8.	Overall depth:	53-5/8 inches (1362 mm) nominal
9.	Exhaust size:	8 inch (203 mm)
10.	Control system:	Microprocessor touchpad control
11.	Door:	High grade stainless steel door with 7/8 inch (22 mm) rubber gasket and heavy duty hinge

B.   PERFORMANCE REQUIREMENTS:

1.	BTU Input:	112,000
2.	Airflow:	700 CFM (19.8 CMM)
3.	Motor horsepower:	1/2 hp cylinder and 1/2 hp fan

4.   Control system

a.   Programming methods: Machine keypad, Infrared (PC or PDA)

b.   41-Cycle Capability with graphic display of words and icons

c.   PC software to program machine and/or audit machine performance with quick view performance reports

d.   Record start, stop and idle time by date and time

e.   Record last eight machine errors by date and time

f.   Record machine service history

g.   Internet connectivity for off-site diagnostic capabilities

h.   Automatic maintenance reminders by day, week and month

i.   Over Dry Prevention Technology (OPTidry^{TM}) system utilizes two cylinder lifters as sensors (note: some capacities only have one sensor lifter)

j.   Maintenance-free rotary transfer switch communicates signal between OPTidry^{TM} sensor/lifters and control

k.   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: 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 **UT055NRU** (no substitutions permitted)
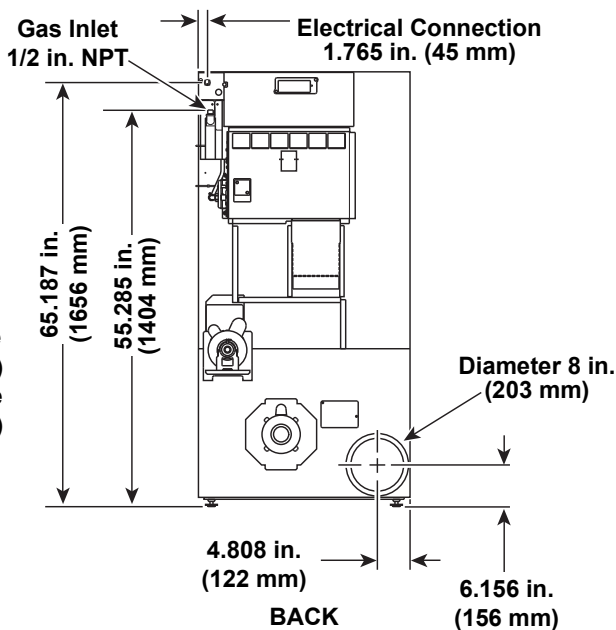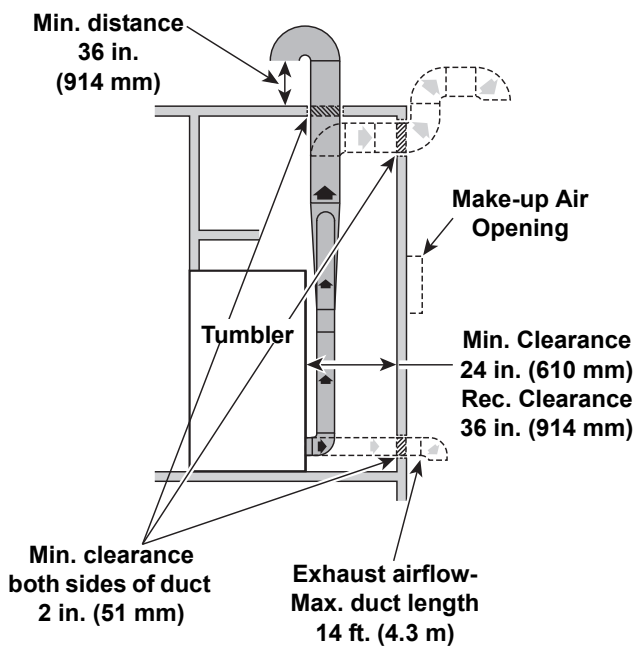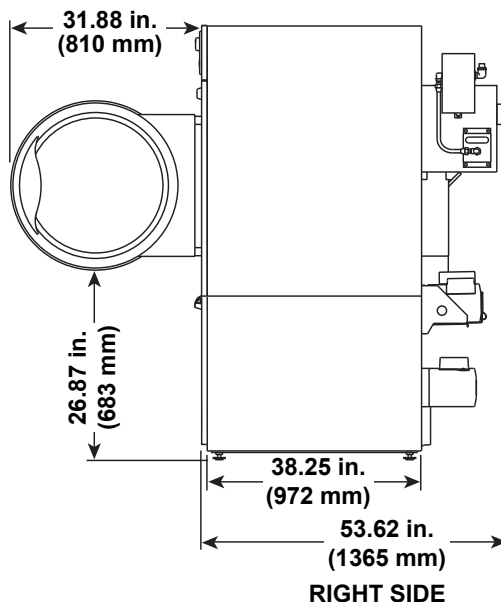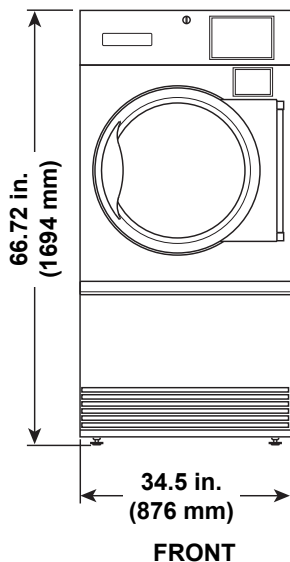
PART 3   EXECUTION

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 UT055L and UT055N

UniMac

Dimensions

66.72 in. (1694 mm)

34.5 in. (876 mm)

FRONT

31.88 in. (810 mm)

26.87 in. (683 mm)

38.25 in. (972 mm)

53.62 in. (1365 mm)

RIGHT SIDE

Min. distance 36 in. (914 mm)

Make-up Air Opening

Tumbler

Min. Clearance 24 in. (610 mm) Rec. Clearance 36 in. (914 mm)

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

Exhaust airflow- Max. duct length 14 ft. (4.3 m)

Gas Inlet 1/2 in. NPT

Electrical Connection 1.765 in. (45 mm)

65.187 in. (1656 mm)

55.285 in. (1404 mm)

Diameter 8 in. (203 mm)

4.808 in. (122 mm)

6.156 in. (156 mm)

BACK

TMB28F

Specifications

Net Weight	435 lbs.
Make-up Air Opening	144 sq. in.
Maximum Airflow per Pocket: C.F.M.	700
Maximum Static Back Pressure: Inches W.C.	0.6
Gas Burner Rating:	112,000 Btu/hr

Electrical Specifications

Code	Voltage	Cycle	Phase	Wire	Full Load Amps		Fuse or Breaker Rating (Amps)	Breaker Poles	AWG
					Nonreversing	Reversing			
B2	120	60	1	2/3	9.2	N/A	15	1	14
F6	200-208, 240	60	3	3	4.0	4.5	10*	3	14
G2	208-240	60	1	2/3	6.5	N/A	10	2	14

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

12-10-380