

## SECTION 11110

### LAUNDRY WASHER-EXTRACTOR, 100 LB. (45.4 KG) CAPACITY

#### PART 1 GENERAL

##### 1.01 SECTION INCLUDES:

- A. Automatic laundry washer-extractor for processing water-washed linen items

##### 1.02 SYSTEM DESCRIPTION

###### A. DESIGN REQUIREMENTS:

1. Construction: 304 or equal stainless steel cylinder, tub & cover panels
2. Input voltage: 208-240/60/3, 3 wire plus ground
3. Dry weight capacity: 100 lb. (45.4 kg)
4. Wash cylinder volume: 15.9 cu ft (450238 cu cm) minimum
5. Overall width: 41-1/2 inches (1054 mm) nominal
6. Overall height: 68-1/2 inches (1740 mm) nominal
7. Overall depth: 54-1/2 inches (1384 mm) nominal
8. Number & size of water supply inlet valves: 4 at 3/4 inch (19 mm), all with 3/4NH (19 mm) male connections
9. Number & size of drain outlets: 2 at 3 inch (76 mm)
10. Overflow: Internally plumbed
11. Control system: Programmable microprocessor
12. Cylinder drive: Single motor, 7.5 hp, capable of 766 RPM maximum

###### B. PERFORMANCE REQUIREMENTS:

1. Number of selectable cylinder speeds: 8, including 1/2 wash speed for processing delicate items
2. G-force at highest extract speed: 300 G's
3. Chemical supply system
  - a. manually filled 5 compartment dry chemical dispensing system
  - b. automatic flushing & connections for 5 external supply lines & control signals for 8 external supplies
4. Configured for possible future addition of water reuse system
5. Through the door jet-spray rinse system
6. Control system
  - a. Programmable microprocessor; (manual keypad, Windows PDA or PC);
  - b. 41 cycle capability with graphic display of words or icons
  - c. PC software interface with laundry management reports, network capability
  - d. Real-time clock allows time/date stamp of 100+ items; maintenance reminders
  - e. 30 programmable water levels
  - f. Temperature controlled fill and thermal cool-down capable

- g. Water monitoring: slow drain and auto leak detection system
- h. Diagnostic capabilities
- 7. Drain valves automatically open in event of power failure

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 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 **UWN100T3V** (no substitution)

**PART 3 EXECUTION**

1.01 INSTALLATION

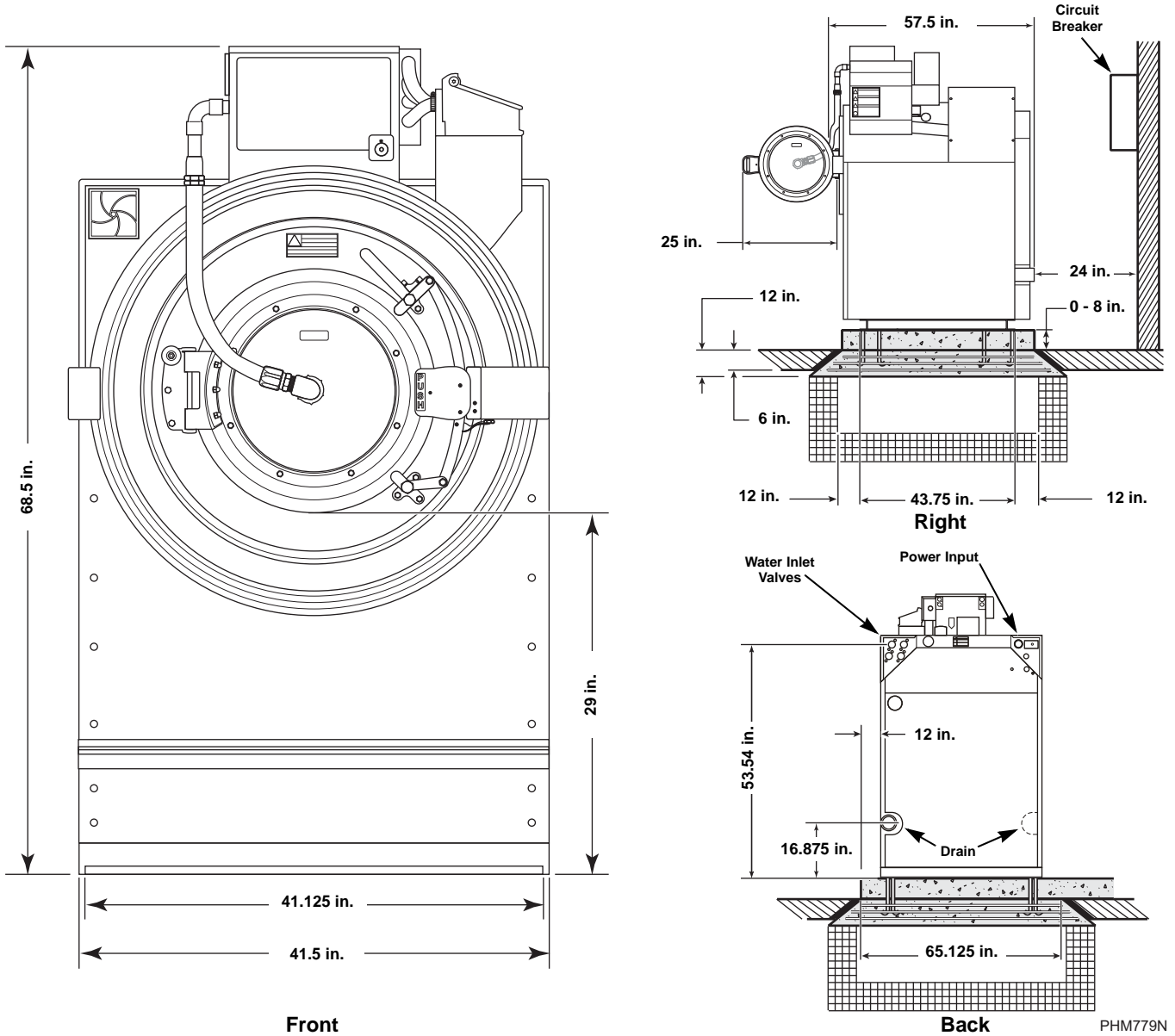
- A. Refer to & comply with manufacturer's installation instructions. Do not deviate without permission from site owner, architect, general contractor & manufacturer's local representative.

# Machine Dimensions and Specifications

## Models UWN100T3VQ and UWN100T3VR



### Dimensions and Foundation Requirements



### Electrical Specifications

| Voltage Designation |         |       |       |      | Non-Electric Heat Machines (Standard) |                     |     |                 |
|---------------------|---------|-------|-------|------|---------------------------------------|---------------------|-----|-----------------|
| Code                | Voltage | Cycle | Phase | Wire | Full Load Amps                        | Breaker (Non Fused) | AWG | mm <sup>2</sup> |
| Q                   | 200-240 | 50/60 | 3     | 3    | 10                                    | 15                  | 14  | 2.5             |
| R                   | 308-480 | 50/60 | 3     | 3    | 9                                     | 15                  | 14  | 2.5             |

### Water, Drain and Weight Specifications

|   |   |
|---|---|
| Drain: Number (Size)                      | 2 (3 in.)                               |
| Fill Water Inlets: Number (Size)          | 4 (Fill: 0.75 in. Spray: 0.5 in.)       |
| Weight: Machine (With Shipping Packaging) | 1770 lbs. (1835 lbs.)                   |
| Side Clearance:                           | 6 in. (minimum)<br>18 in. (recommended) |