

## SECTION 11110

### LAUNDRY WASHER-EXTRACTOR, 30 LB. CAPACITY

#### PART 1 GENERAL

##### 1.01 SECTION INCLUDES:

- A. Freestanding 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, front and top panels
- 2. Input voltage: X: 200-240/60/1 or 3; 2 (L1, L2 or L1, N)  
N: 440-480/60/3; 3 (L1, L2, L3)
- 3. Dry weight capacity: 30 lb.
- 4. Wash cylinder volume: 4.8 cu ft minimum
- 5. Overall width: 31.30 inches nominal
- 6. Overall height: 49 inches nominal
- 7. Overall depth: 36.80 inches nominal
- 8. Number and size of water supply inlet valves: 2 with 3/4 inch BSP male connections (2 standard, 1 optional)
- 9. Number and size of drain outlets: 1 at 3 inch
- 10. Overflow: Internally plumbed
- 11. Control system: Programmable microprocessor
- 12. Cylinder drive: Single motor, 2.01 hp, capable of 1075 RPM maximum, using a rotation sensor to monitor performance

###### B. PERFORMANCE REQUIREMENTS:

- 1. Number of selectable cylinder speeds: -
- 2. G-force at highest extract speed: 400 G's
- 3. Chemical supply system
  - a. manually filled 5 compartment dry chemical dispensing system
  - b. automatic flushing and connections for 11 external supply lines and control signals for 8 external supplies
- 4. 22 Programmable water levels
- 5. Control system
  - a. programmable microprocessor
  - b. 99 cycle capacity
  - c. RS-485 PC link for programming
  - d. USB Drive

- e. capable of precise temperature controlled fills
- f. thermal cooldown
- g. overnight soak
- 6. Drain valve automatically open in event of power failure

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 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

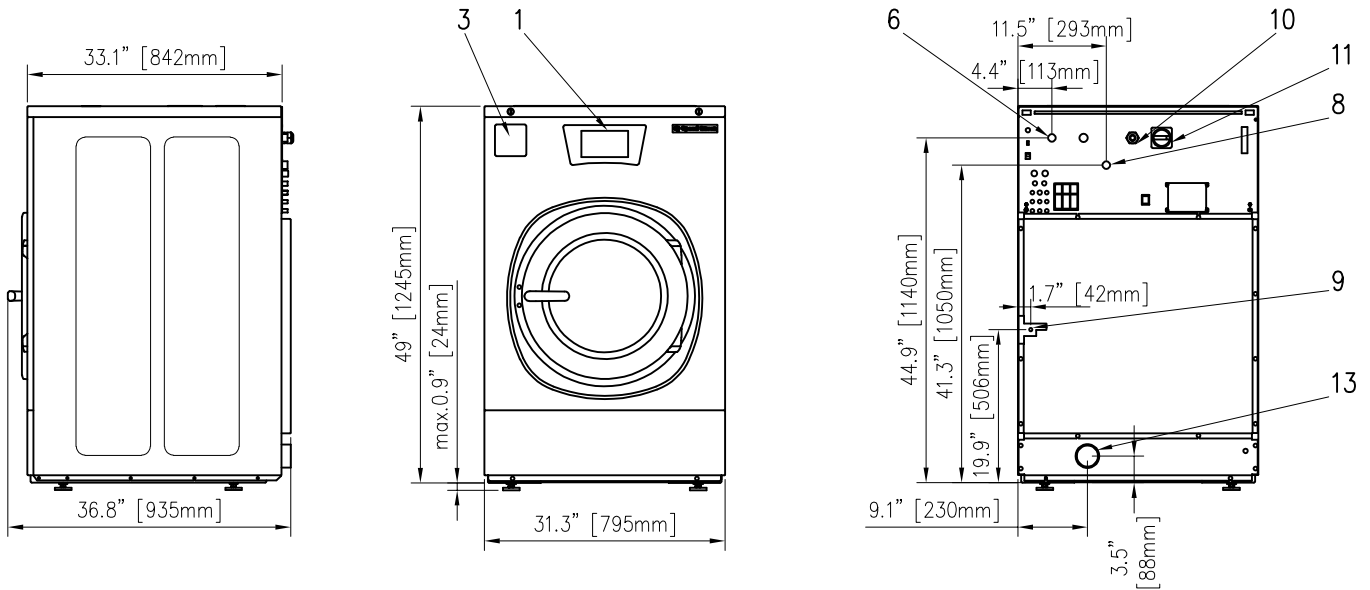
2.02 QUALIFIED MODELS

- A. UniMac model **UYT030** (no substitution)

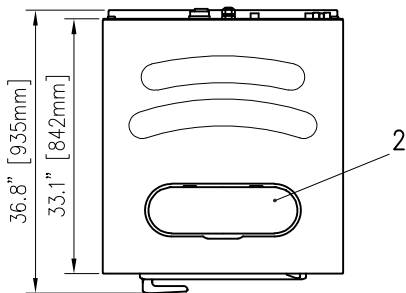
**PART 3 EXECUTION**

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.



## LAYOUT



|                                             |                                        |                    |
|---------------------------------------------|----------------------------------------|--------------------|
| 18-Digit SKU                                | UYT030VN0HXUB0C0BA                     | UYT030VN0HNUB0C0BA |
| Capacity                                    | 30 lb / 13.5 kg                        |                    |
| Inner drum dimensions                       |                                        |                    |
| diameter                                    | 620 mm / 24.40"                        |                    |
| depth                                       | 450 mm / 17.72"                        |                    |
| drum volume                                 | 135 l / 4.8 ft <sup>3</sup> /35.66 gal |                    |
| Drum revolutions                            |                                        |                    |
| wash                                        | 49 rpm                                 |                    |
| high extraction                             | 1075 rpm                               |                    |
| G-factor                                    | 400                                    |                    |
| Weight                                      |                                        |                    |
| netto                                       | 255 kg / 563 lbs                       |                    |
| shipping weight                             | 275 kg / 606 lbs                       |                    |
| Max. static load (with textile and water)   | 719 lbs / 3.2 kN                       |                    |
| Max. dynamic load (intermittent vibrations) | 607 ± 112 lbs / 2.7 ± 0.5 kN           |                    |
| Frequency of dynamic load                   | 17.9 Hz                                |                    |

## LEGEND:

- Control panel
- Soap dispenser
- Centralstop button
- Liquid soap connection
- Recycled water inlet (option)
- Cold water inlet
- 
- Hot water inlet
- Steam inlet (option - steam heating) (pos.14 = D)
- Electrical connection
- Main switch
- USB port
- Drain outlet

## Electrical specification

|                                  |                          |                          |
|----------------------------------|--------------------------|--------------------------|
| Voltage (pos.11 in model number) | 200-240V 50/60Hz 1ph (X) | 440-480V 50/60Hz 3ph (N) |
| Rated motor power                | 1.5 kW / 2.01 hp         | 1.5 kW / 2.01 hp         |
| Wire                             | 2 (L1, L2 or L1, N)      | 3 (L1, L2, L3)           |
| Full Load Amps                   | 10.1 A                   | 3.6 A                    |
| Circuit breaker                  | 15 A                     | 10 A                     |

## Water, Drain and Steam specification

|                                            |                              |
|--------------------------------------------|------------------------------|
| Water inlet connection size                | 2x 3/4"                      |
| Water pressure                             | 44 - 73 psi / 0.3 - 0.5 MPa  |
| Inlet flow capacity per inlet              | 5.28 gal/min / 20 l/min      |
| Drain connection size - gravity            | 3" / 76 mm                   |
| Flow volume through drain valve            | 55.5 gal/min / 210 l/min     |
| Steam inlet connection size (for pos.14=D) | 1/2"                         |
| Steam pressure                             | 15 - 116 psi / 0.1 - 0.8 MPa |
| Liquid detergents                          | 8x 8mm, 3x 12mm              |