

## SECTION 11110

### LAUNDRY WASHER-EXTRACTOR, 100 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: Q: 200-240/60/3 (L1, L2 or L3)
3. Dry weight capacity: 110 lb.
4. Wash cylinder volume: 15.96 cu ft minimum
5. Overall width: 51.77 inches nominal
6. Overall height: 75.78 inches nominal
7. Overall depth: 59.17 inches nominal
8. Number and size of water supply inlet valves: 3 with 1 inch BSP male connections (2 standard, 1 optional)
9. Number and size of drain outlets: 2 at 3 inch
10. Overflow: Internally plumbed
11. Control system: Programmable microprocessor
12. Cylinder drive: Single motor, 10.06 hp, capable of 839 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: 360 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. 41 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

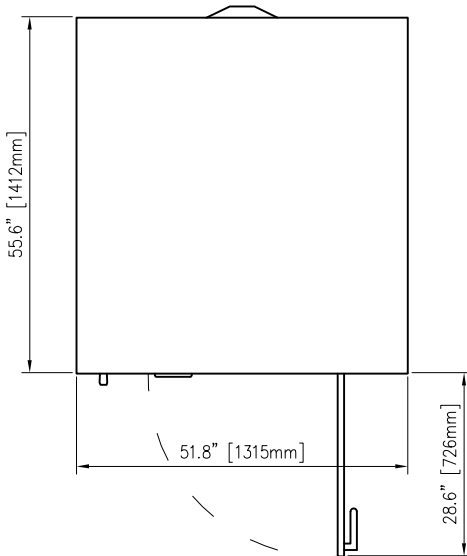
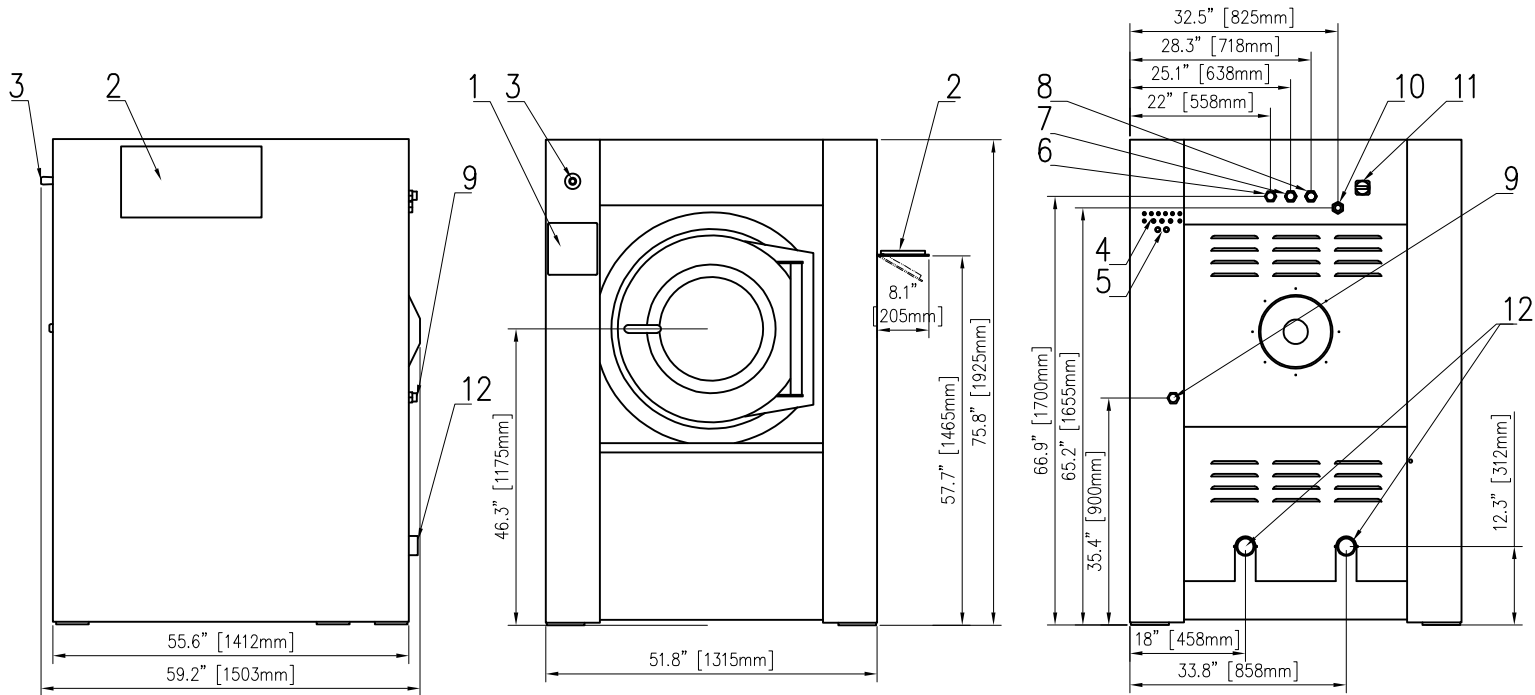
- A. UniMac model **UYT1008-23-29** (no substitution)

**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.

# UYT100



## LEGEND:

1. Control panel
2. Soap dispenser
3. Centralstop button
4. Liquid soap connection
5. Recycled water inlet
6. Hard cold water inlet
7. Hot water inlet
8. Soft cold water inlet
9. Steam inlet (for steam heating)
10. Electrical connection
11. Main switch
12. Drain outlet

18-Digit SKU	UYT100V0BNQU2PR0AA
Capacity	100 lb / 45 kg
Inner drum dimensions	
diameter	914 mm / 36"
depth	690 mm / 27.2"
drum volume	452 l / 15.96 ft <sup>3</sup> / 119.4 gal
Drum revolutions	
wash	38 rpm
high extraction	839 rpm
G-factor	360
Weight	
netto	1350 kg / 2976 lb
shipping weight	1490 kg / 3285 lb
Max. static load (with textile and water)	3626.1 lbf / 16.13 kN
Max. dynamic load (intermittent vibrations)	3176.55 ± 838.53 lbf / 14.13 ± 3.73 kN
Frequency of dynamic load	14 Hz

## Electrical specification

Voltage (pos.11 in model number)	200-240V 50/60Hz 3ph (Q)
Rated motor power	7.5 kW / 10.06 hp
Wire	3 (L1, L2, L3)
Full Load Amps	25 A
Circuit breaker	40 A

## Water, Drain and Steam Specifications

Water inlet connection size	3x 1"
Water pressure	recomm. 0.3 – 0.5 MPa
Inlet flow capacity per inlet at 14.5 psi / 1 bar	48.3 gal/min / 183 l/min
Inlet flow capacity per inlet at 116 psi / 8 bar	136.7 gal/min / 518 l/min
Drain connection size - gravity	2x 3" / 2x 76 mm
Flow volume through drain valve	2x 5.28 gal/min / 2x 210 l/min
Steam inlet connection size	3/4"
Steam pressure	0.3 – 0.8 MPa
Liquid detergents	max 8x 8mm, 3x 11.5mm