

SECTION 11110

LAUNDRY WASHER-EXTRACTOR, 55 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: 55 lb.
4. Wash cylinder volume: 8.48 cu ft minimum
5. Overall width: 38.20 inches nominal
6. Overall height: 56.30 inches nominal
7. Overall depth: 43.10 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, 4.02 hp, capable of 980 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. 24 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

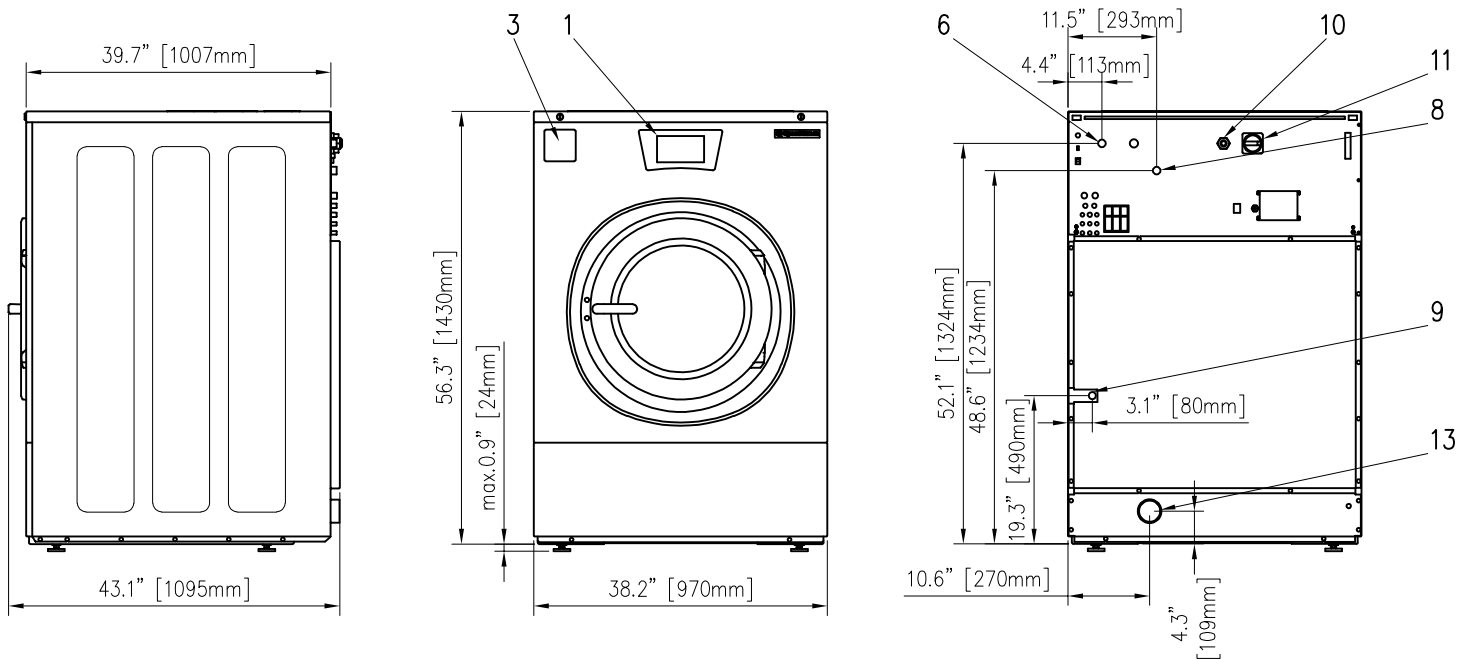
- A. UniMac model **UYT55** (no substitution)

PART 3 EXECUTION

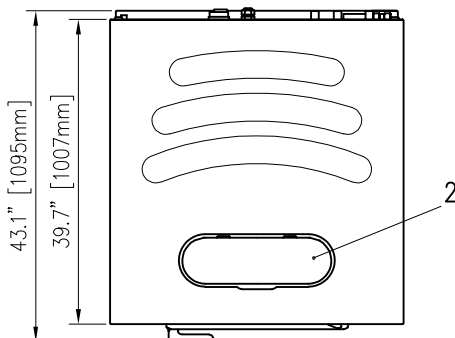
3.01 INSTALLATION

- 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.

UYT055



LAYOUT



LEGEND:

1. Control panel
2. Soap dispenser
3. Coin box
4. Liquid soap connection
5. Recycled water inlet (option)
6. Cold water inlet
7. -
8. Hot water inlet
9. Steam inlet (option - steam heating)
(pos.14 = P or D)
10. Electrical connection
11. Main switch
12. USB port
13. Drain outlet

18-Digit SKU	UYT055VN0HXUBPE0BA	UYT055VN0HNUBPE0BA
Capacity	55 lb / 24 kg	
Inner drum dimensions		
diameter	750 mm / 29.53"	
depth	545 mm / 21.46"	
drum volume	240 l / 8.48 ft3 / 63.4 gal	
Drum revolutions		
wash	42 rpm	
high extraction	980 rpm	
G-factor	400	
Weight		
netto	430 kg / 948 lbs	
shipping weight	450 kg / 992 lbs	
Max. static load (with textile and water)	1191 lbs / 5.3 kN	
Max. dynamic load (intermittent vibrations)	1034 ± 247 lbs / 4.6 ± 1.1 kN	
Frequency of dynamic load	16.3 Hz	
Electrical specification		
Voltage (pos.11 in model number)	200-240V 50/60Hz 1ph (X)	440-480V 50/60Hz 3ph (N)
Rated motor power	3 kW / 4.02 hp	3 kW / 4.02 hp
Wire	2 (L1, L2 or L1, N)	3 (L1, L2, L3)
Full Load Amps	15 A	7.2 A
Circuit breaker	20 A	15 A
Water, Drain and Steam specification		
Water inlet connection size	2x 3/4" (fast fill valves)	
Water pressure	44 - 73 psi / 0.3 – 0.5 MPa	
Inlet flow capacity per inlet	34.9 gal/min / 133 l/min (at 60 psi)	
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= P or D)	1/2"	
Steam pressure	15 - 116 psi / 0.1 – 0.8 MPa	
Liquid detergents	8x 8mm, 3x 12mm	