



# STINGRAY 4040

## SPECIFICATIONS

### Standard Features & General Construction:

- Green Technology: Closed Loop Zero Discharge
- Swing Door Retracting Turntable for Maximum Access
- Electronic Water Level Control & Refill
- Oscillating Wash Manifold to Maximize Cleaning
- Easy to Service Front Wash Pump Suction Strainer
- Adjustable Electronic Temp Control, Temp Gage
- Control Transformer External of Panel minimizes Heat
- Programmable 24 Hour 7 Day Clock
- Low Water Shut-Off Protects Pumps & Heating System
- Electronic Door Safety Interlock
- Wash Cycle Timer with Auto Reset
- Heavy gage 3/16" Sheet Steel Cabinet Thickness
- 230 V or 460 V- 60 Hz 3-Phase with 120 V Controls
- Chemical Resistant Two Part, 3 mm Epoxy Coating

### Spray Manifold:

| OSCILLATING NON- SYNCHRONOUS |               |
|------------------------------|---------------|
| Angle of Oscillation:        | 39 degrees    |
| Frequency of Oscillation:    | 4 per minute  |
| Number of Wash Nozzles:      | 16            |
| Type of Nozzle:              | Vee-Jet       |
| Nozzle Material:             | 316 Stainless |
| Nozzle Spray Pattern:        | 25 degrees    |

### Overall Dimensions:

|                     |                |
|---------------------|----------------|
| Width: (Std Unit)   | 79 inches      |
| Depth: (Std Unit)   | 74 inches      |
| Height:             | 83 inches      |
| Empty Weight:       | 3,900 lbs      |
| Reservoir Capacity: | 180 gallons    |
| Duplex Reservoir -  | Add 47 gallons |
| Sludge Capacity:    | 47 gallons     |

### Work Area Dimensions:

|                      |           |
|----------------------|-----------|
| Turntable Diameter:  | 41 inches |
| Work Height:         | 39 inches |
| Table Load Capacity: | 1,500 lbs |
| Heavy Duty Capacity: | 3,500 lbs |

### Heat System:

|                        |                     |
|------------------------|---------------------|
| Operating Temperature: | 140 - 190 degrees F |
| Initial Heat-Up Time:  | 60 - 90 minutes     |
| Element Size 60 Hz:    | 30 kW               |
| Gas/Propane            | 180,000 BTU/hr      |

### Electrical:

|                           |                            |                  |                    |
|---------------------------|----------------------------|------------------|--------------------|
| Wiring Standard:          | NFPA 79                    | Motor Rating:    | Continuous Duty    |
| Motor Starters:           | Across the line            | Enclosures:      | TEFC               |
| Short Circuit Protection: | Std                        | Enclosures:      | NEMA 12            |
| Overload Protection:      | Std                        | Wiring Conduit:  | Flex- Non-Metallic |
| Motor Type:               | Energy-Efficient NEMA MG-1 | Type of Conduit: | Liquidtight NEMA12 |

### Pump System & Performance:

High Efficiency, Rated for continuous duty (20 Start/hour without overheating), vertical, centrifugal, seal-less, balanced, enclosed impeller.

**Note: All performance data taken at nozzle discharge.**

#### STANDARD:

|                    | 10 hp      |
|--------------------|------------|
| Total System Flow: | 180 gpm    |
| Flow per Nozzle:   | 11.3 gpm   |
| System Pressure:   | 75 psi     |
| Blast Velocity:    | 105 ft/sec |

#### UPGRADES: (Simplex)

|                    | 20 hp      | 30 hp      | 40 hp      |
|--------------------|------------|------------|------------|
| Total System Flow: | 221 gpm    | 256 gpm    | 268 gpm    |
| Flow per Nozzle:   | 13.8 gpm   | 16.0 gpm   | 16.8 gpm   |
| System Pressure:   | 112 psi    | 152 psi    | 165 psi    |
| Blast Velocity:    | 129 ft/sec | 150 ft/sec | 156 ft/sec |

#### UPGRADES: (Duplex)

|                    | 55 hp      |
|--------------------|------------|
| Total System Flow: | 303 gpm    |
| Flow per Nozzle:   | 18.9 gpm   |
| System Pressure:   | 212 psi    |
| Blast Velocity:    | 177 ft/sec |

Results may vary based on machine configuration.



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