

# STINGRAY 84112 CLAMSHELL SPECIFICATIONS

## Standard Features & General Construction:

- Oscillating Manifold:** Non-Synchronous to the Turntable - Maximizes Cleaning.
- Clamshell Door Design:** Allows for Maximum Turntable Access.
- Closed-Loop, Zero Discharge Cleaning Process:** Environmentally Friendly.
- Heated Fresh Water Rinse:** Removes Residual Detergent (Optional).
- Automatic Steam Exhaust:** Facilitates Flash Drying of Parts.
- Non-Intersecting Stainless Steel V-Jet Nozzles:** Blasts Parts Clean.
- Heavy 1/4" Plate Steel Cabinet.**
- Electronic Water Level Control:** Maintains Proper Solution Level.
- Programmable 24-Hour 7-Day Clock:** Delivers Simple Operation.
- Wash Cycle Timer with Auto Reset:** Effortless Cleaning Cycle Programming.
- Easy Access Solution Tank:** Delivers Trouble-Free Maintenance.
- Electronic Door Safety Interlock:** Prevents Operation if Switch Fails.
- StingRay Blue, 2-Part, 3 mil Epoxy Coating:** Withstands Cleaning Chemicals.
- Adjustable Electronic Temp Control, Temp Gauge, Digital 2-Line Display**
- Control Transformer External of Panel:** Minimizes Heat.
- Low Water Shut-Off:** Protects Pumps & Heating System.
- Quality Conforms to ISO9001 and OSHA-Compliant**



### Power Blast Manifold:

#### OSCILLATING NON- SYNCHRONOUS

Angle of Oscillation:	40 degrees
Frequency of Oscillation:	4 per minute
Number of Wash Nozzles - 70hp:	32
Number of Wash Nozzles - 140hp:	48
Nozzle Material & Style:	316 Stainless V-Jet
Nozzle Spray Pattern (PBM):	25 degrees
Nozzle Spray Pattern (SHIM):	15 degrees

### Heat System:

Operating Temperature:	140 - 190 degrees F
Electric Element Size:	120 kW
Gas/Propane Eclipse 80% Eff:	990,000 BTU/hr
Equivalent Electric Heat:	230 kW

### Base Machine Work Area Dimensions:

Turntable Diameter:	84 inches
Cleaning Work Height:	112 inches
Turntable Height above Floor:	47.5 inches
Table Load Capacity:	15,000 lbs
Heavy Duty Capacity:	30,000 lbs

### Base Machine Overall Dimensions:

Width: (Std Unit)	139 inches
Depth:	132 inches
Height: (Std Unit)	173 inches
Empty Weight (approx):	26,500 lbs
Reservoir (Std Unit):	595 gallons
Sludge Capacity:	135 gallons
Reservoir (Scraper):	760 gallons



### 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 (Duplex):

Pump System	32 Nozzles	<b>70 hp</b>
Total System Flow:	502 gpm	
Flow per Nozzle:	15.7 gpm	
System Pressure:	152 psi	
Blast Velocity:	156 ft/sec	



#### OPTIONS (Quadplex):

64 Nozzles	48 Nozzles
<b>140 hp</b>	<b>140 hp</b>
1004 gpm	860 gpm
15.7 gpm	19.9 gpm
152 psi	190 psi
156 ft/sec	198 ft/sec



Results and Dimensions may vary based on machine configuration.

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