

STINGRAY 12090 CLAMSHELL

METRIC SPECIFICATIONS

Standard Features & General Construction:

Green Technology: Closed Loop Zero Discharge
 ClamShell Door Design for Maximum Turntable Access
 Electronic Water Level Control & Refill
 Oscillating Wash Manifold to Maximize Cleaning
 Easy to Service 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 4.7 mm Sheet Steel Cabinet Thickness
 230 V or 460 V- 60 Hz 3-Phase with 120 V Controls
 Optional: 380 V / 415 V - 50 Hz 3-Phase
 Chemical Resistant Two Part, 3 mm Epoxy Coating



Spray Manifold:

OSCILLATING NON- SYNCHRONOUS

Angle of Oscillation: 40 degrees
 Frequency of Oscillation: 4 per minute
 Number of Wash Nozzles: 32
 Type of Nozzle: Flat Tapered V-Jet
 Nozzle Material: 316 Stainless
 Nozzle Spray Pattern: 25 degrees

Overall Dimensions:

Width: (Std Unit) 4160 mm
 Depth: (Std Unit) 4010 mm
 Height: 4060 mm
 Empty Weight: 12020 kg
 Reservoir Capacity: 3760 liters
 Quadroplex: Add 291 liters
 Sludge Capacity: 681 liters

Work Area Dimensions:

Turntable Diameter: 3040 mm
 Work Height: 2280 mm
 Table Load Capacity: 12700 kg
 Heavy Duty Capacity: 27200 kg

Heat System:

Operating Temperature: 60 - 88 degrees C
 Initial Heat-Up Time: 120 Minutes
 Electric Heat Element Size STD: 120 kW
 High-Output Electric Heat: 200 kW
 Gas/Propane Eclipse 80% Eff: 290 kW
 Equivalent Electric Heat: 230 kW

Electrical:

Wiring Standard: NFPA 79
 Motor Starters: IEC Type 2
 Short Circuit Protection: Coordinated
 Overload Protection: Thermal Class 10
 Motor Type: NEMA MG-1
 Motor Rating: Continuous Duty
 Motor Enclosures: TEFC/NEMA 12
 Electrical Enclosures: IP65
 Wiring Conduit: Flex- Non-Metallic
 Conduit Type: Liquidtight IP65

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):

	32 Nozzles
Pump System	52 kW
Total System Flow:	1900 lpm
Flow per Nozzle:	59 lpm
System Pressure:	10.5 bar
Blast Velocity:	48 mps

OPTIONS (Quadroplex):

	64 Nozzles	48 Nozzles
	104 kW	104 kW
Total System Flow:	3800 lpm	3250 lpm
Flow per Nozzle:	59 lpm	75 lpm
System Pressure:	10.5 bar	13.1 bar
Blast Velocity:	48 mps	60 mps

Results may vary based on machine configuration.



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