



# STINGRAY 6036

## AIRCRAFT WHEEL WASHER

### METRIC SPECIFICATIONS

#### Standard Features & General Construction:

**Green** Technology: Closed Loop Zero Discharge & High Efficiency  
 Stainless Steel Cabinet & Wetted Standard Components  
 Heavy gage 304 Stainless Steel 4.7 mm Cabinet Thickness  
 Stainless Steel Appointed Pump with Chemically Resistant Viton Seals  
 Auto Heated Fresh Water Rinse Cycle  
 Auto Steam Exhaust System  
 Auto Programmable Oil Skimmer System  
 Engineered Wheel Wash Power Blast Manifold  
 Oscillating Blast **Non-Synchronous** to Turntable to Maximize Cleaning  
 Removable Internal Reservoir Cover allows Full Access  
 4 Station Aircraft Wheel Fixture - Optional Sizes

Swing Door Retracting Turntable for Maximum Access  
 Automatic Electronic Water Level Control & Refill  
 Easy Service Front Suction Strainer  
 Adjustable Electronic Temp Control, Temp Gage  
 Control Transformer External of Panel minimizes Heat  
 Programmable 24/7 Clock for Heating & Skimmer  
 Low Water Shut-Off Protects Pumps & Heating System  
 Electronic Door Safety Interlock  
 Wash Cycle Timer with Auto Reset  
 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: 39 degrees  
 Frequency of Oscillation: 4 per minute  
 Number of Wash Nozzles: 20  
 Type of Nozzle: Flat Tapered V-Jet  
 Nozzle Material: 316 Stainless

#### Overall Dimensions:

Width: (Std Unit) 2690 mm  
 Depth: (Std Unit) 2690 mm  
 Height: 2360 mm  
 Empty Weight: 3730 kg  
 Reservoir Capacity: 1500 liters  
 Sludge Capacity: 303 liters

#### Work Area Dimensions:

Turntable Diameter: 1520 mm  
 Work Height: 910 mm  
 Table Load Capacity: 910 kg

#### Heat System:

Operating Temperature: 60 - 88 degrees C  
 Initial Heat-Up Time: 70 - 100 minutes  
 Electric Heat Element Size STD: 80 kW  
 High-Output Electric Heat: 100 kW  
 Gas/Propane Eclipse 80% Eff: 117 kW  
 Equivalent Electric Heat: 105 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  
 Type of Conduit: Liquid tight 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:

##### 52 kW

Total System Flow: 1400 lpm  
 Flow per Nozzle: 70 lpm  
 System Pressure: 14.6 bar  
 Blast Velocity: 53 mps  
 Power Density: 28 kW/m<sup>3</sup>

