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Pumptec 80698 Series 217V Pump & M8253 Motor Assembly 120V 500 PSI .095 Cam



Model Number: 80698

Pumptec 80698 Series 217V Pump & M8253 Motor Assembly 120V 500 PSI .095 Cam

Manufacturer: Pumptec

Pumptec 80698 Series 217V Pump and Motor Assembly – 120 Volt – 500 PSI – .095 Cam – M8253
Pumptec Part Number: 80698
The Pumptec 80698 is a complete 120-volt pump and motor assembly designed for professional portable carpet extractors, upholstery cleaning machines, spotting machines, tile cleaning equipment, sprayers, and other commercial pressure-cleaning applications.
This assembly combines a durable Pumptec 217V plunger pump head with a Pumptec M8253 motor. The .095 cam configuration is designed to provide dependable pressure and flow for cleaning systems operating at pressures up to approximately 500 PSI.
Important: Confirm the voltage, pump series, cam size, port size, mounting configuration, plumbing arrangement, and motor specifications before ordering. Pump assemblies that look similar may have different operating characteristics.
Product Highlights

- Complete Pumptec pump and motor assembly
- Pumptec Series 217V plunger pump
- Pumptec M8253 electric motor
- 120-volt AC operation
- .095 cam configuration
- Recommended operating pressure up to 500 PSI
- Designed for commercial cleaning and spraying equipment
- Compact design suitable for many portable carpet extractors
- Four 1/4-inch female NPT side ports
- Adjustable M-Valve pressure regulator
- Anodized aluminum pump body
- Stainless-steel valves and fasteners

Specifications

Manufacturer
Pumptec

Part Number
80698

Pumptec 80698 Series 217V Pump & M8253 Motor Assembly 120V 500 PSI .095 Cam

Pump Series
217V

Motor
M8253

Voltage
120 volts AC

Cam
.095

Recommended Maximum Working Pressure
500 PSI

Approximate Spray Performance
Approximately .71 GPM with an appropriate nozzle and system configuration

Approximate Current Draw
Approximately 3.5 amps while spraying; actual draw varies by operating conditions

Water Ports
Four 1/4-inch female NPT side ports

Maximum Fluid Temperature
140°F

O-Ring Material
Buna

Valve Material
Stainless steel

Pump Body

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Anodized aluminum

Approximate Shipping Weight
24 lbs.

Flow, amperage, and delivered pressure depend on the nozzle size, regulator adjustment, inlet-water supply, hose diameter, plumbing restrictions, voltage under load, and the condition of the remaining equipment.
Common Applications

- Portable carpet cleaning extractors
- Upholstery cleaning machines
- Commercial spotting machines
- Tile and grout cleaning equipment
- High-pressure rinse systems
- Misting and spraying equipment
- Equipment-manufacturer replacement installations
- Custom cleaning-machine builds

Replacement and Upgrade Information
This pump may be used as a replacement for certain older Pumptec 204V, 205V, and 207V installations when the voltage, pressure, flow, motor, mounting, electrical connections, and plumbing are compatible.
The 217V pump head uses 1/4-inch female NPT water ports. Some older Pumptec 205V and 207V pump heads use 3/8-inch female NPT ports. Up to four reducing adapters may therefore be required when converting an older machine to the 217V configuration. The pump head can be removed and replaced at 180 degrees to change the location of the in and out water connections.
Optional port adapter:
1/4-Inch Male Pipe Thread × 3/8-Inch Female Pipe Thread Brass Adapter
Do not order by appearance alone. Pumps with similar housings can have different cams, motors, port sizes, voltages, seals, regulators, pressures, and flow rates. Match the complete Pumptec part number whenever possible.
Priming Instructions
This is a positive-displacement plunger pump and must have an unrestricted water supply. Never operate the pump dry.

- Fill the machine’s fresh-water tank.
- Confirm that the inlet hose is connected, open, and free of air leaks.
- Remove the pressure hose or quick disconnect from the machine’s outlet.
- Use vacuum suction at an open solution outlet for approximately 5 to 10 seconds while the pump is running at the same time.
- Continue until water flows steadily without large air bubbles.

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• Reconnect the pressure hose and test the machine.

A newly installed pump may not move water until the pump, inlet hose, heater, check valve, and related plumbing have been completely filled and the trapped air has been removed.
Pressure Adjustment
The pressure is controlled by the adjustable regulator located on the pump head. Adjust the regulator in small increments while monitoring the machine’s pressure gauge.

• Do not exceed the pressure rating of the pump, hoses, heater, fittings, cleaning tool, or machine.
• Do not operate against a completely closed outlet for extended periods.
• Do not use an oversized spray jet that overloads the motor or prevents the machine from reaching operating pressure.

Related Replacement Components

- Pumptec M8253 Replacement Motor
- Pumptec 60063 Series 217V Pump Head
- Pumptec 40242 Motor Mounting Base and Bracket
- Pumptec C-REC-SM Bridge Rectifier
- Pumptec .095 Cam and Bearing Kit

Optional Tile and Grout Cleaning Tool
A properly configured 500 PSI extractor may also be used with compatible pressure-rated tile and grout cleaning tools.
Clean Storm Rhino Grout Master Tile and Grout Cleaning Tool
Installation Notes

• Installation should be completed by a qualified equipment-repair technician.
• Disconnect electrical power before servicing the machine.
• Confirm proper grounding and electrical protection.
• Flush debris from the water tank and inlet plumbing before connecting the new pump.
• Inspect or replace clogged inlet filters and deteriorated hoses.
• Use suitable thread sealant without allowing excess material to enter the pump.
• Do not overtighten fittings into the aluminum manifold.
• Repair restrictions, leaks, defective check valves, and damaged pressure regulators before testing.

What Is Included?

• One Pumptec 80698 Series 217V pump and M8253 motor assembly

Not included unless specifically shown or stated: spray nozzle, plumbing fittings,

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hoses, wiring harness, switch, pressure gauge, mounting hardware, power cord, cleaning tool, or installation labor.
Warranty and Ordering Notice
Manufacturer specifications and product appearance are subject to change without notice. Display images are provided for general reference. Orders are fulfilled according to the manufacturer’s part number shown in the listing.
Before ordering, compare your existing pump’s complete model number, voltage, cam designation, motor model, port size, mounting arrangement, and plumbing configuration. Contact Steam-Brite before purchase when adapting this assembly to a machine that originally used a different pump.
View Pumptec Series 217V Manufacturer Information
View the Pumptec 112V and 217V Operating and Parts Manual

Series 217V - 095/M8253 Pump 120 Volt 500 PSI

120 Volt, 500 PSI (recommended) Spray, '02 Nozzle (not included),
.71 GPM Spray, 3.5 AMPS Spray, 24 lbs

Optional

Convert your 500 psi carpet cleaning machine into a tile cleaning machine.
Clean Storm Rhino Grout Master Cleaning Tile Cleaning Tool 300psi - 1200 psi Edging Wand 20190919
Videos On Link!

Parts used for the build;

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Pumptec M8253 Replaces M53, M10 and M9253F Motor Only Frame 34 Fits all Pumptec 204, 205, 207, and 217 Pump Heads

Pumptec 40242 Base Kit, Mounting Plate feet / Bracket, For M20/M53/M54/M8253 / M9253F Motors GTIN: N/A

Pumptec C-REC-SM Bridge Rectifier for Water Pumps Burnishers and More 31210 GTIN 10679065070166

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Pumptec 0100-6005-0095, KIT-C 204/205/207/217 .095 CAM Bearing, 3/8 THREAD .465 THICK, 10074, GTIN NA

- Special Pumptec Parts Over $135? + Yes, No Small Order Fee

Pumptec 60063, 217V Pump Head Only, 4 - 1/4in Side Ports, Buna Seals, M-Valve 80572 GTIN: N/A

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Optional

1/4in Mip X 3/8in Fip Brass Adapter Reducing BR166 9.804-007.0 Kaivac CPS21 28193

If you’re upgrading from a 204v, 205V, or 207V pump head to a 217V pump head, you’ll need to add up to four brass adapters. The 205V/207V models use 3/8" water ports, while the 217V is designed with 1/4" ports.

Replaces Pumptec 81662 Series 207V 4 - 1/4in Ports Nilfisk Advanced Pex 500 Pump 56113074

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Availability: This product was added to our catalog on Thursday 05 November, 2009

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