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Model Number: 81720

Pumptec 81720 356U-090 / M960 12V Pump & Motor Assembly – 3.3 GPM, 600 PSI

Manufacturer: Pumptec

Pumptec 81720 356U-090 / M960 12V Pump & Motor Assembly – 3.3 GPM, 600 PSI

Compact High-Performance 12V Pump System for Pressure Washing, Soft Wash & More

The Pumptec 81720 assembly combines the proven 356U-090 plunger pump head with the reliable M960 12V DC motor to deliver a powerful, compact solution for mobile and fixed applications. Designed for durability and efficiency, this unit produces up to 3.3 GPM and 600 PSI, making it ideal for professionals who need dependable performance in a small footprint.

This pre-assembled unit is perfect for pressure washing systems, pest control rigs, soft wash applications, carpet cleaning setups, and mobile detailing units.

Key Features

- High output: Up to 3.3 GPM and 600 PSI
- Compact 12V system ideal for truckmounts and mobile rigs
- Durable brass and anodized components for long service life
- Stainless steel valves and plungers
- Can run in multiple orientations (no oil bath required)
- Pre-assembled pump and motor for easy installation

Technical Specifications

Model
Pumptec 81720

Pump Head
356U-090

Motor
M960

Voltage
12V DC

Max Pressure
600 PSI

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Max Flow
3.3 GPM (open flow)

Amperage Draw
~54–60 amps (load dependent)

Inlet Ports
(2) × 3/8" FNPT

Discharge Ports
(2) × 3/8" FNPT

Max Fluid Temperature
140°F

Why Choose the 356U / M960 Assembly?

- " Compact design fits tight installations
- " Higher efficiency than many diaphragm pumps
- " Longer service life with plunger pump design
- " Handles a wide range of cleaning and chemical applications
- " Reliable performance in demanding environments

Ideal Applications

- Pressure washing systems
- Soft wash and chemical spraying
- Pest control rigs
- Truck-mounted carpet cleaning systems
- Mobile detailing setups

What's Included

- Pumptec 356U-090 pump head
- Pumptec M960 12V motor
- Pre-assembled coupling
- Mounting base

Important Notes

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- Requires a high-amperage 12V power source (~60 amps under load)
- Use proper inlet filtration to protect internal components
- Performance varies based on nozzle size and system setup
- Not designed for extended dry running

Recommended Accessories (Sold Separately)

- Pressure regulator / unloader
- Pulsation dampener
- Inline water filter
- High-pressure hose and spray gun kit

Frequently Asked Questions

Q: Is this pump self-priming?

A: It can self-prime under proper conditions but performs best with a flooded inlet.

Q: Can this pump handle chemicals?

A: Yes, it is compatible with many cleaning solutions due to its stainless and anodized components.

Q: What power source is required?

A: A 12V DC system capable of supplying up to 60 amps is recommended.

Q: Is this ready to install?

A: Yes, the pump and motor come pre-assembled for simplified installation.

Upgrade Your System with Reliable Pumptec Performance

The Pumptec 81720 assembly delivers the performance, durability, and compact design professionals demand. Whether you're upgrading an existing system or building a new one, this unit provides dependable results in a wide range of applications.

Bundle includes;

Pumptec 60081 Pump Head, 56 Frame, 356U 360U, 8.715-240.0
830065 Replaces 60047 Nilfisk Advance 1160 c

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Pumptec 0100-6205-0160, KIT-C 348 356 357 360 .160 CAM 7/16
THREAD .465 THICK, 10090, GTIN 10679065071842

Pumptec M960, Motor, CIM 3/4 HP 12V 56 FRAME, 1725 rpm,
Replaces M60-8, GTIN 10679065072191

Important Notes

Requires high amperage 12V power source (~60A draw)
Not self-priming from dry beyond typical plunger pump limits, Recommends 1/2" ID
hose or larger, suction feed from tank level above pump, or pressure feed from
building supplied water pressure.
Must be protected with inlet filtration
Performance varies based on nozzle size and voltage supply
if you run any time of chemicals in any pump, including this one, you have to rinse
fresh water through that pump before you store it!

“Recommended Accessories”

Regulator (required for all non open flow installations)
Pulsation dampener
Inline filter
Spray hose kits

“12V pressure washer pump”
“Pumptec M960 assembly”
“356U plunger pump”

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“3 GPM 600 PSI pump”
“truckmount pump system”

Availability: This product was added to our catalog on Wednesday 08 April, 2026