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Star 025191

Star 025191 High Performance Pool Pump User Manual

Model: 025191

INTRODUCTION



Image: Star 025191 High Performance Pool Pump. This image displays the complete pool pump unit, highlighting its compact design and key components like the motor, pump housing, and transparent strainer lid.

This manual provides essential information for the safe and efficient installation, operation, and maintenance of your Star 025191 High Performance Pool Pump. This pump is designed for use with in-ground or above-ground swimming pools up to 53,000 gallons, ensuring water clarity and hygiene. Please read this manual thoroughly before installation and operation.

The Star 025191 pump features a 1.5 HP single-speed motor, factory-wired for 230 Volts, and is constructed from corrosion-resistant thermoplastic for durability. It delivers a high volume flow rate of up to 110 GPM at 20'

TDH for efficient water circulation to filtration systems.

IMPORTANT SAFETY INSTRUCTIONS

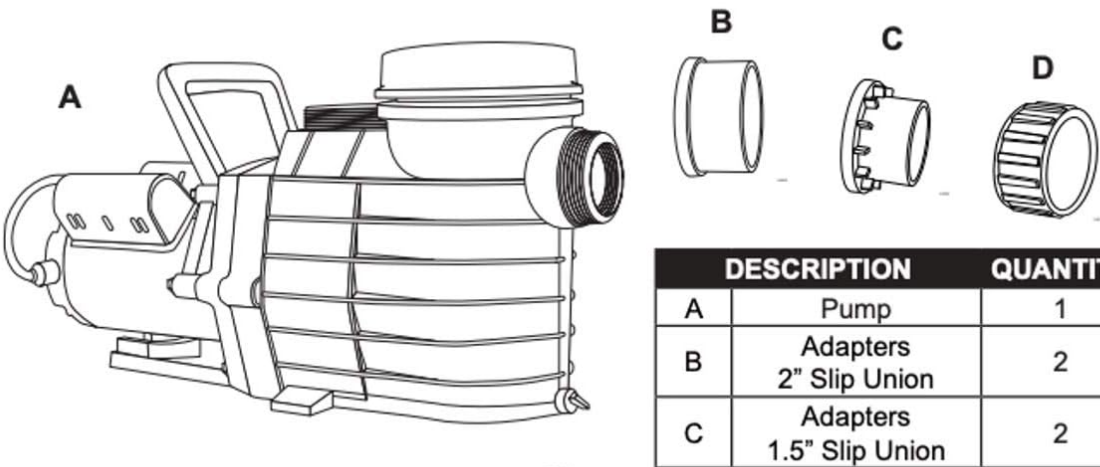
When installing and using this electrical equipment, basic safety precautions should always be followed, including the following:

- **Read and follow all instructions.**
- **DANGER:** Risk of electrical shock. Connect only to a grounded receptacle protected by a ground-fault circuit interrupter (GFCI).
- **WARNING:** To reduce the risk of injury, do not permit children to use this product.
- **WARNING:** This pump is for permanent installation only. Do not use with storable pools.
- Ensure the electrical supply matches the pump's voltage requirements (115V or 230V). The pump is factory-wired for 230V.
- All wiring must be performed by a qualified electrician and comply with local codes and regulations.
- Always disconnect power to the pump before servicing or performing maintenance.
- Do not operate the pump if it has been damaged in any way.
- Keep all connections dry and away from water.

PACKAGE CONTENTS

Verify that all components are present in the package before beginning installation.

PACKAGE CONTENTS



	DESCRIPTION	QUANTITY
A	Pump	1
B	Adapters 2" Slip Union	2
C	Adapters 1.5" Slip Union	2
D	Couplings	2

Image: Package Contents Diagram. This illustration details the main pump unit (A) and the included connection accessories: 2-inch slip union adapters (B), 1.5-inch slip union adapters (C), and couplings (D).

Included Components

Item	Description	Quantity
A	Star 025191 Pool Pump	1
B	2" Slip Union Adapters	2
C	1.5" Slip Union Adapters	2

Item	Description	Quantity
D	Couplings	2

SETUP AND INSTALLATION

Proper installation is crucial for the pump's performance and longevity. Refer to the installation diagram and follow these steps carefully.

1. Site Selection

- Install the pump as close to the pool as possible to minimize friction loss from long suction lines.
- Ensure the pump is installed on a firm, level base that can support its weight and prevent vibration.
- Provide adequate ventilation around the motor for cooling.
- Protect the pump from excessive moisture and direct sunlight.

2. Plumbing Connections

The pump is designed to connect to either 1.5-inch or 2-inch pipe using the included slip union adapters and couplings.

1. Apply thread sealant to all threaded connections to ensure a watertight seal.
2. Connect the appropriate slip union adapters (1.5" or 2") to the pump's inlet and outlet ports.
3. Use the couplings to connect the pump to your existing pool plumbing. Ensure all connections are tight to prevent air leaks, especially on the suction side.

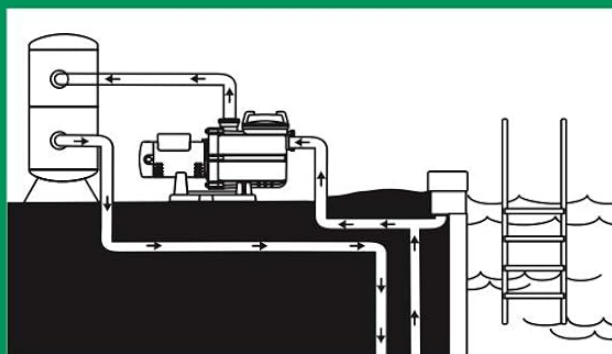


PERFORMANCE							
MODEL	HP	20' TDH	30' TDH	40' TDH	50' TDH	60' TDH	70' TDH
025191	1-1/2	110 GPM	100 GPM	90 GPM	79 GPM	62 GPM	47 GPM

Features and Benefits:

- For in-ground pools up to 53,000 gal.
- Connects to 1-1/2 or 2-in pipe
- 115/230 dual voltage, wired for 230 V
- Corrosion-resistant thermoplastic construction
- Heavy-duty, high performance motor
- 1 year limited warranty.

INSTALLATION DIAGRAM



This product cannot be sold, offered for sale, or installed in a residential pool for filtration use in California, Title 20 CCR Sections 1601-1609.



Image: Installation Diagram and Performance Data. This image provides a visual guide for connecting the pump to an in-ground pool system and includes a table detailing the pump's flow rate (GPM) at various Total Dynamic Head (TDH) levels.

3. Electrical Connections

The Star 025191 pump is factory-wired for 230 Volts. If your electrical supply is 115 Volts, consult a qualified electrician for proper rewiring. The pump includes a 3 ft pigtail cord with ring terminals for connection.

- Ensure the power supply is disconnected at the circuit breaker before making any electrical connections.
- Connect the pump's pigtail cord to a dedicated circuit protected by a Ground-Fault Circuit Interrupter (GFCI).

- All electrical connections must comply with national and local electrical codes.

OPERATING INSTRUCTIONS

1. Priming the Pump

Before starting the pump for the first time, or after the pump has been drained, it must be primed.

1. Ensure the pool water level is adequate.
2. Open all suction and return valves in the pool plumbing system.
3. Remove the transparent strainer cover and fill the strainer basket housing with water until it overflows.
4. Replace the strainer cover, ensuring it is securely tightened to prevent air leaks.
5. Turn on the power to the pump. The pump should begin to draw water and expel air from the return lines.
6. If the pump does not prime within 5 minutes, turn it off, re-prime, and check for air leaks in the suction line.

2. Normal Operation

- Once primed, the pump will operate continuously, circulating water through your filtration system.
- Monitor the pressure gauge on your filter (if applicable) to ensure it is within the normal operating range. An unusually high pressure reading may indicate a dirty filter or blockage.
- Regularly check the transparent strainer cover to see if the basket needs cleaning.

MAINTENANCE

Regular maintenance ensures optimal performance and extends the life of your pool pump.

1. Cleaning the Strainer Basket

The large strainer basket is designed to collect debris before it reaches the pump impeller. The transparent cover allows for easy visual inspection.

1. Turn off the pump and disconnect power at the circuit breaker.
2. Rotate the transparent strainer cover counter-clockwise to remove it.
3. Lift out the strainer basket and empty any collected debris.
4. Rinse the basket thoroughly with water.
5. Inspect the O-ring on the strainer cover for cracks or wear. Replace if necessary.
6. Place the clean basket back into the housing, ensuring it is seated correctly.
7. Replace the strainer cover, tightening it clockwise until snug. Do not overtighten.
8. Re-prime the pump as described in the "Operating Instructions" section.

2. Winterization

If you live in an area where temperatures drop below freezing, proper winterization is essential to prevent damage.

- Turn off the pump and disconnect power.
- Drain all water from the pump by removing the drain plugs (if applicable) or by disconnecting plumbing.
- Store the pump in a dry, protected area, or cover it securely if it must remain outdoors.

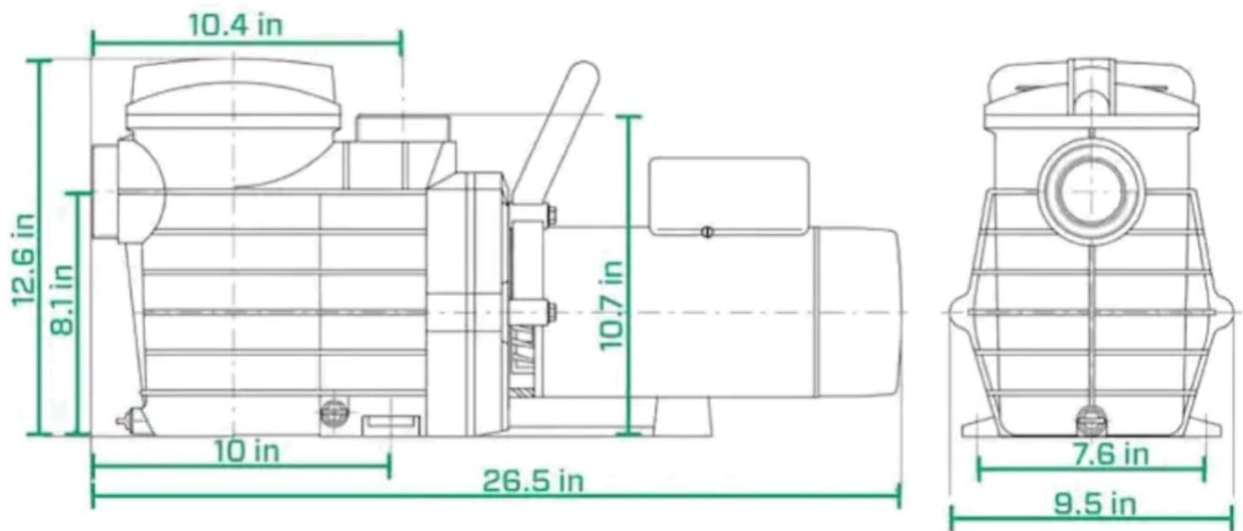
TROUBLESHOOTING

This section addresses common issues you might encounter with your pool pump. For problems not listed here, contact customer support.

Problem	Possible Cause	Solution
Pump does not start	No power; tripped circuit breaker/GFCI; faulty motor.	Check power supply; reset breaker/GFCI; consult electrician.
Pump runs but does not prime or moves little water	Air leak in suction line; low water level; clogged strainer basket; closed valves.	Check all connections for leaks; ensure adequate pool water level; clean strainer basket; open all valves.
Excessive noise or vibration	Air leak; cavitation; worn bearings; debris in impeller.	Check for air leaks; ensure proper water flow; contact service for worn parts.
Water leaking from pump	Loose connections; worn O-rings/seals; cracked housing.	Tighten connections; replace O-rings/seals; contact service for housing damage.

SPECIFICATIONS

Detailed technical specifications for the Star 025191 High Performance Pool Pump.



Overall Dimensions	26.5" x 9.45" x 12.6"
Weight U/M	50lbs
Motor	1.65 HP
Hertz	60
Volts	115/230
TagAmp	17/8.5
Phase	1
Discharge Size	1.5" and 2" adpaters Includeed
Flow	110 GPM @ 20' TDH
Impeller Type	Thermoplastic
Cord Length	3'
Cord Type	Pigtail with ring terminals
Thermally Protected	Yes

Image: Product Dimensions and Specifications. This image provides a detailed technical drawing with key dimensions of the pump and a table summarizing its electrical and performance characteristics.

Specification	Value
Model Number	025191
Horsepower (HP)	1.5 HP
Motor Type	Single Speed
Voltage	115/230V (Factory wired for 230V)
Phase	1
Flow Rate (Max)	110 GPM @ 20' TDH (6,000 GPH)
Material	Corrosion-resistant Thermoplastic

Specification	Value
Discharge Size	1.5" or 2" (adapters included)
Cord Length	3 ft pigtail with ring terminals
Thermal Protection	Yes
Overall Dimensions	26.5" x 9.45" x 12.6"
Weight	Approximately 50 lbs (22.6 kg)
UPC	054757100056

WARRANTY

The Star 025191 High Performance Pool Pump is covered by a **1-year limited warranty** from the date of purchase. This warranty covers defects in materials and workmanship under normal use and service. For warranty claims or to understand the full terms and conditions, please refer to the warranty card included with your product or contact Star Water Systems customer support.

Note: This product is not available for shipment to California.

CUSTOMER SUPPORT



For technical assistance, replacement parts, or warranty inquiries, please contact Star Water Systems customer support.

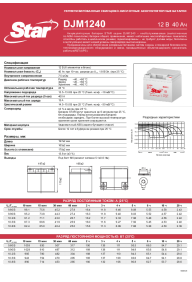
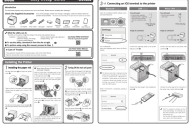
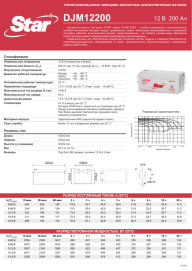

- **Website:** www.starwatersystems.com (Example link, actual link may vary)
- **Phone:** Refer to your product packaging or the manufacturer's website for current contact numbers.

When contacting support, please have your model number (025191) and date of purchase readily available.

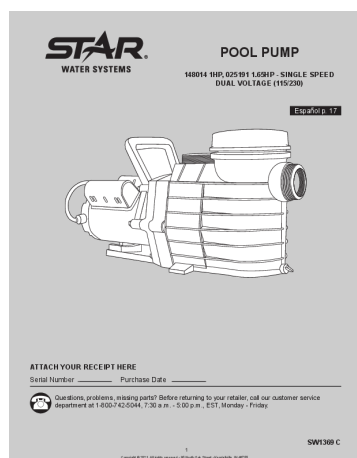
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Related Documents - 025191

	<p>Star SK4-21 Kiosk Printer: Compact, Versatile, and Reliable</p> <p>Explore the Star SK4-21, a compact two-inch thermal printer designed for kiosk applications. It features dual interface support (Serial RS-232C, Mini-USB), advanced sensor capabilities, flexible installation options, and detailed technical specifications.</p>
	<p>STAR Paragon Inflatable Kayak Folding Instructions</p> <p>Step-by-step guide on how to properly fold and store your STAR Paragon inflatable kayak for easy transport and storage.</p>

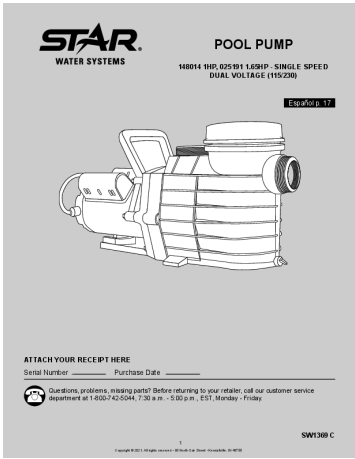
	<p>Star DJM1240 12В 40Ач Герметизированная Свинцово-Кислотная Батарея Технические Характеристики</p> <p>Подробные технические характеристики, размеры и характеристики разряда герметизированной свинцово-кислотной батареи Star DJM1240 12В 40Ач AGM. Подходит для ИБП, систем безопасности и телекоммуникаций.</p>
	<p>Star mC-Print3 Easy Setup Guide: Connecting to Devices</p> <p>This guide provides step-by-step instructions for setting up the Star mC-Print3 printer. It covers checking supplied accessories, downloading the mC-Print3 utility, and connecting the printer to iOS, Android, Mac, Linux, and Windows devices via Bluetooth, USB, or Wired LAN. Includes troubleshooting tips and rear cover installation.</p>
	<p>Star DJM12200 12В 200Ач Герметизированная Свинцово-Кислотная Аккумуляторная Батарея Технические Характеристики</p> <p>Подробные технические характеристики и эксплуатационные параметры герметизированной свинцово-кислотной аккумуляторной батареи Star DJM12200, включая напряжение, емкость, режимы разряда, размеры и рабочие температуры.</p>
	<p>Star Pro-Max 2.0 7" Tabletop Two-Sided Grill: Installation and Operation Guide</p> <p>User guide for the Star Pro-Max 2.0 7" tabletop two-sided grill. Covers installation, electronic controls, operation, seasoning, cleaning, and safety for commercial use. Includes parts lists.</p>

Documents - Star – 025191



[\[pdf\]](#) User Manual Instructions

STAR Water Systems 025191 Operating Manual Pool Pump 1 2 HP 115 and 230 Volt Thermoplastic 054757100056 11393662 lowes productdocuments 31078e8e 52ff 47e4 a3b7 6de015982e0a ||| POOL PUMP 148014 1HP, **025191** 1.65HP - SINGLE SPEED DUAL VOLTAGE 115/230 Espal p. 17 IL2306 ATTACH YOUR RECEIPT HERE Serial Number Purchase Date Questions, problems, missing parts? Before returning to your retailer, call our customer service department at 1-800-742-5044, 7:30 a.m. - 5:00 p.m., EST, Monday - Friday. lang:en score:27 filesize: 3.07 M page_count: 32 document date: 2021-03-01

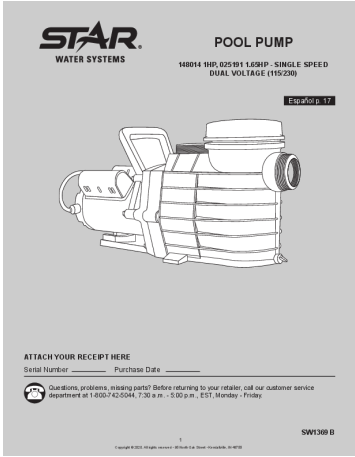


[pdf] User Manual Owner's Manual Instructions

POOL PUMP Star Water Systems 3 apr 2022 — READ AND FOLLOW ALL INSTRUCTIONS in this owner s manual and on the parts of swimming pool spa or hot tub metal piping except gas SW1369 025191 148014 Pool Pump Instructions 210527 125347 starwatersystems themes zoeller content Copyright 2021 All rights reserved 95 North Oak Street Kendallville IN 4755 |||

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[pdf] User Manual Instructions

swimming pool pumps Star Water Systems Do not close filter manual air relief valve until a steady stream 054757100056_oper pdf lowes operatingguides

POOL PUMP 148014 1HP, **025191** 1.65HP - SINGLE SPEED DUAL VOLTAGE 115/230 Espao p. 17 ATTACH YOUR RECEIPT HERE Serial Number Purchase Date Questions, problems, missing parts Before returning to your retailer, call our customer service department at 1-800-742-5044, 7:30 a.m. - 5:00 p.m., EST, M...

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