DISASSEMBLY

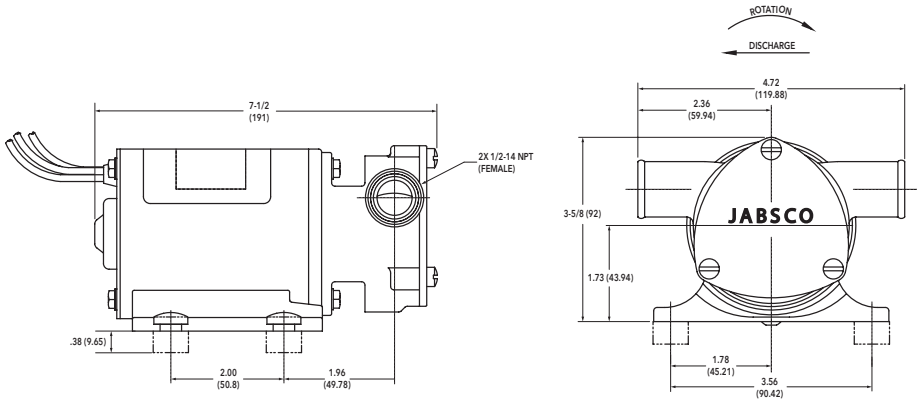
1. Remove end cover screws, end cover and O-ring.
2. Withdraw impeller.
3. Loosen and remove two slotted hex screws, which attach body to motor.
4. Tap body lightly between ports and remove body from motor.
5. With a 1/2" (12.7mm) diameter dowel, push against the shaft seal from back (motor) side of the body to dislodge it from the seal bore.

NOTE: Do not tamper with or disassemble motor.

ASSEMBLY

1. Lubricate seal with water and position it in seal bore with lip, or hollowed-out side of seal, pointing towards the impeller bore. With a 1/2" (12.7mm) diameter dowel, push against the shaft seal into its bore until it contacts the bottom.
2. Lubricate motor shaft and install body on motor.
3. Lubricate impeller bore and, aligning flat in impeller with flat on motor shaft, install impeller with clockwise rotary motion.
4. Install O-ring, end cover and screws.

DIMENSIONAL DRAWING Inches (millimeters)



NOTICE: END OF LIFE PRODUCT DISPOSAL.
Handle and dispose of all waste in compliance with local laws and regulations.

WARRANTY

XYLEM LIMITED WARRANTY WARRANTS THIS PRODUCT TO BE FREE OF DEFECTS AND WORKMANSHIP FOR A PERIOD OF 1 YEAR FROM DATE OF MANUFACTURE. THE WARRANTY IS EXCLUSIVE AND IN LIEU OF ANY AND ALL OTHER EXPRESS OR IMPLIED WARRANTIES, GUARANTEES, CONDITIONS OR TERMS OF WHATEVER NATURE RELATING TO THE GOODS PROVIDED HEREUNDER, INCLUDING WITHOUT LIMITATION ANY IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE, WHICH ARE HEREBY EXPRESSLY DISCLAIMED AND EXCLUDED. EXCEPT AS OTHERWISE PROVIDED BY LAW, BUYER'S EXCLUSIVE REMEDY AND SELLER'S AGGREGATE LIABILITY FOR BREACH OF ANY OF THE FOREGOING WARRANTIES ARE LIMITED TO REPAIRING OR REPLACING THE PRODUCT AND SHALL IN ALL CASES BE LIMITED TO THE AMOUNT PAID BY THE BUYER HEREUNDER. IN NO EVENT IS SELLER LIABLE FOR ANY OTHER FORM OF DAMAGES, WHETHER DIRECT, INDIRECT, LIQUIDATED, INCIDENTAL, CONSEQUENTIAL, PUNITIVE, EXEMPLARY OR SPECIAL DAMAGES, INCLUDING BUT NOT LIMITED TO LOSS OF PROFIT, LOSS OF ANTICIPATED SAVINGS OR REVENUE, LOSS OF INCOME, LOSS OF BUSINESS, LOSS OF PRODUCTION, LOSS OF OPPORTUNITY OR LOSS OF REPUTATION. THIS WARRANTY IS ONLY A REPRESENTATION OF THE COMPLETE LIMITED WARRANTY. FOR A DETAILED EXPLANATION, PLEASE VISIT US AT www.xylem.com/en-us/support/, CALL OUR OFFICE NUMBER LISTED, OR WRITE A LETTER TO YOUR REGIONAL OFFICE.

RETURN PROCEDURE

Warranty returns are conducted through the place of purchase. Please contact the appropriate entity with a receipt of purchase to verify date.

JABSCO

a xylem brand

Model 18660-0133

Self-Priming Pump

INSTALLATION AND OPERATION MANUAL

Xylem Inc. – USA
17942 Cowan
Irvine, CA 92614

Xylem Inc. – UK
Harlow Innovation Park
London Road, Harlow, Essex, CM17 9TX

Xylem Inc. – CHINA
30/F Tower A, 100 Zunyi Road
Shanghai 200051

Xylem Inc. – HUNGARY KFT
2700 Cegléd
Külso-Kátai út 41

Xylem Inc. – AUSTRALIA
14 Emporium Avenue
Kemps Creek, NSW 2178

www.xylem.com/jabsco

43000-1876 Rev. A 09/2024

FEATURES

Motor:	Permanent magnet type, fully enclosed, stainless steel shaft.
Dimensions:	3-5/8" (92mm) high, 7-1/2" (191mm) long, 4-3/4" (120mm) wide
Weight:	4-1/2 lb (2 kg) (approx.)
Body:	Bronze
Impeller:	Jabsco nitrile compound
Seal:	Lip type
Ports:	1/2" NPTF Internal Pipe Threads 1" (25mm) External Hose Barb 2x adapters, 1/2" MNPT x 3/4" MGHT included

WARNING: Explosion hazard.
Do not use motor pump units for pumping gasoline, solvents, thinners or other flammable liquids with flash point below 100°F (37.8°C). Doing so may result in explosion, which could cause personal injury, death or property damage.

APPLICATION

For general industrial pumping and circulation.

Pump has a dry prime suction lift of about 4 feet (1.2m) and a lift to 20 feet (6m) when primed. BE SURE SUCTION LINES ARE AIRTIGHT.

Pump is not designed for marine applications.

INSTALLATION

The pump must be mounted in a dry location – the motor is not waterproof and must not be submerged.

SELECTION OF A COOL, VENTILATED location will generally extend pump motor life. The unit can be mounted in any desired position. It is best to mount so that water dripping from a loose port connection will not wet the motor. The pump head may be rotated 180° on the motor to change direction of flow.

OPERATION

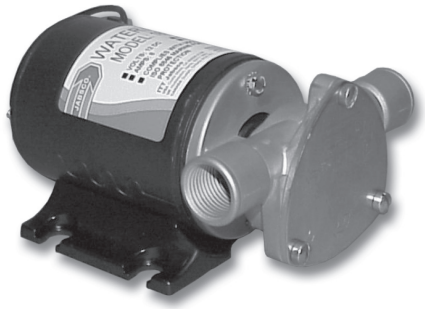
Flexible impeller pumps must NOT be run dry, as the pumped liquid is the lubricant for the impeller. Observe the outlet and shut off pump as soon as liquid stops flowing. An automatic level switch is convenient to control the pump.

The pump cannot run against a closed outlet such as encountered when using a garden hose type shut-off nozzle.

Pressure for normal operation should not exceed 20 feet of head (8.7 psi).

Temperature of pumped liquid may be in the range of 45° – 180°F (7° – 82°C).

WARNING: Motor runs hot.
About 180°F (82.2°C) is a normal temperature. Prolonged contact during operation may cause a burn.



PLUMBING CONNECTIONS

Pump ports have external 1" (25mm) hose barb and internal 1/2" NPTF pipe threads. Also provided are two male port adaptors to allow the attachment of 3/4" female garden hose fittings. Use hose that does not kink when bent and with sufficient wall thickness to prevent collapse when used on suction side of pump. Hoses should be routed so that some water will be retained in pump body to wet the impeller. Wetting the impeller aids in priming and extends impeller life. Use a strainer on the intake hose to stop trash and solids from going through the pump. All hoses must have air tight connections to enable faster priming.

ELECTRICAL CONNECTIONS

WARNING: Explosion hazard.
If pump is operated in an area containing flammable vapors, wire leads must be joined by insulated mechanical locking connectors. Loose or inadequate wire connections can spark resulting in an explosion. Which may result in property damage, personal injury or death.

The black wire lead is common, the white is neutral and the green/yellow is ground.

When wiring an electrically driven pump, follow all electrical and safety codes, as well as the most recent National Electrical Code (NEC) and the Occupational Safety and Health Act (OSHA). Disconnect power before servicing the unit. It is recommended that this unit be installed by a qualified electrician.

Correct motor rotation is clockwise looking at shaft end of motor. Use proper wire size. Should the fuse blow, replace with the same size fuse after determining reason for blown fuse.

WARNING: Read this manual carefully before installing, using or servicing the product. Do not modify or alter the pump in any way. Failure to follow the instructions within this manual could result in explosion, property damage, severe personal injury and/or death.

WARNING: Make certain the power source conforms to the pump voltage. Be sure all power is disconnected and fluid pressure in the plumbing is relieved before installation, removal, or servicing of product. Use the maximum recommended fuse for pump protection. Recommended fuse amp rating is located on pump label. Failure to install proper fuse could increase risk of pump malfunction, potentially resulting in personal injury and/or fire hazard.

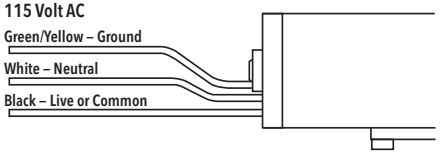
WARNING: Do not use a pump if it presents some damage such as burned or exposed electric wire.

CAUTION: Installation Notes:
To avoid the risk of fire. Be sure that the area where pump is installed is isolated from gas, fuel tanks, electrical wiring looms or flammable substances. Failure to do so may cause personal injury, death or property damage.

Motor is not ignition protected.

WIRING DIAGRAM

115 Volt AC



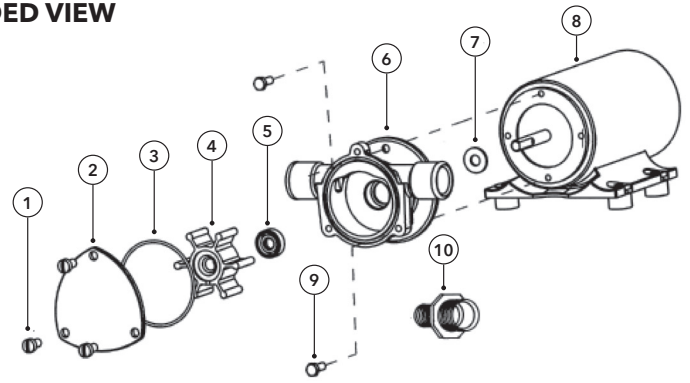
Model	Voltage AC	AMP Draw	Fuse Size
18660-0133	115	0.8	1.5A

HEAD-FLOW CHART

	Total Head		Capacity	
P.S.I.	Feet	Meters	GPM	L/Min.
2.1	5	1.5	6.3	23.8
4.3	10	3.0	5.4	20.4
6.5	15	4.6	4.2	15.9
8.7	20	6.1	2.8	10.6

Table shows approximate Head-Flow for new pump.

EXPLODED VIEW



Key	Description	Qty. Req.	Part Number
1	Screw Kit (3 per)	3	91004-0090
2	End Cover Kit	1	18647-0000
3	O-Ring Kit	1	18753-0660
4	Impeller Kit, Nitrile	1	22456-0033
5	Lip Seal Kit	1	18753-0384
6	Body Kit †	1	18645-0000
7	Slinger Kit (3 per)	1	6342-0000
8	Motor	1	–
9	Screw (Pump to motor)	1	–
10	Port Adaptor Kit (2 per)	2	18753-0103

† When replacing a pump body that uses a round end cover (3 hole pattern) it is necessary to replace the end cover, screws and replace the gasket with an O-Ring (order keys # 1, 2 & 3).

MAINTENANCE

Check wires and connections to be sure corrosion is not adding additional resistance to the motor circuit and causing a low voltage condition **at the motor. Low voltage can inhibit motor from starting and cause fuse to blow.** Full voltage should be available to prevent motor damage.

NOTICE: If pump is idle for extended periods, the impeller may stick to the pump body, preventing motor rotation and causing blown fuses. To correct, remove end cover and impeller, clean body and impeller, then lubricate with water or small amounts of silicone grease before assembly.

If pump is to be in freezing temperatures, drain by loosening end cover screws.

A spare impeller should be carried aboard to be assured of pumping capability.