



# TETON

Natural Reliability™

## Pump Warranty & Instruction Manual

<b>XPF3700</b>	<b>3900 GPH / 1/5HP</b>
<b>XPF4500</b>	<b>4700 GPH / 1/3HP</b>
<b>XPF5200</b>	<b>5400 GPH / 1/2HP</b>
<b>XPF6000</b>	<b>6200 GPH / 1HP</b>



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## Introduction

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Thank you for selecting the Teton XPF Waterfall Pump.

This instruction manual explains the product operations and gives important safety precautions regarding its use. In order to use the product to maximum benefit, be sure to read the instructions and follow them carefully.

To avoid accidents, do not use the pump in any way other than as described in this instruction manual especially when you see! **WARNING** . After reading this instruction manual, keep it nearby as a reference in case questions arise.

If this instruction manual should become lost or damaged, ask your nearest dealer or Teton Dynamics for another copy.

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## Prior to Operation

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Check the following points upon receipt of your pump:

- ▶ Is the pump exactly what you ordered? **Check nameplate**. It is especially important that you check whether the pump is to be used with **60 Hz**.
- ▶ Has any damage occurred during shipment? Are any bolts or nuts loose?

We recommend that you keep a spare pump on hand in case of emergencies. Keep this instruction manual in a place for future reference.

# Specifications

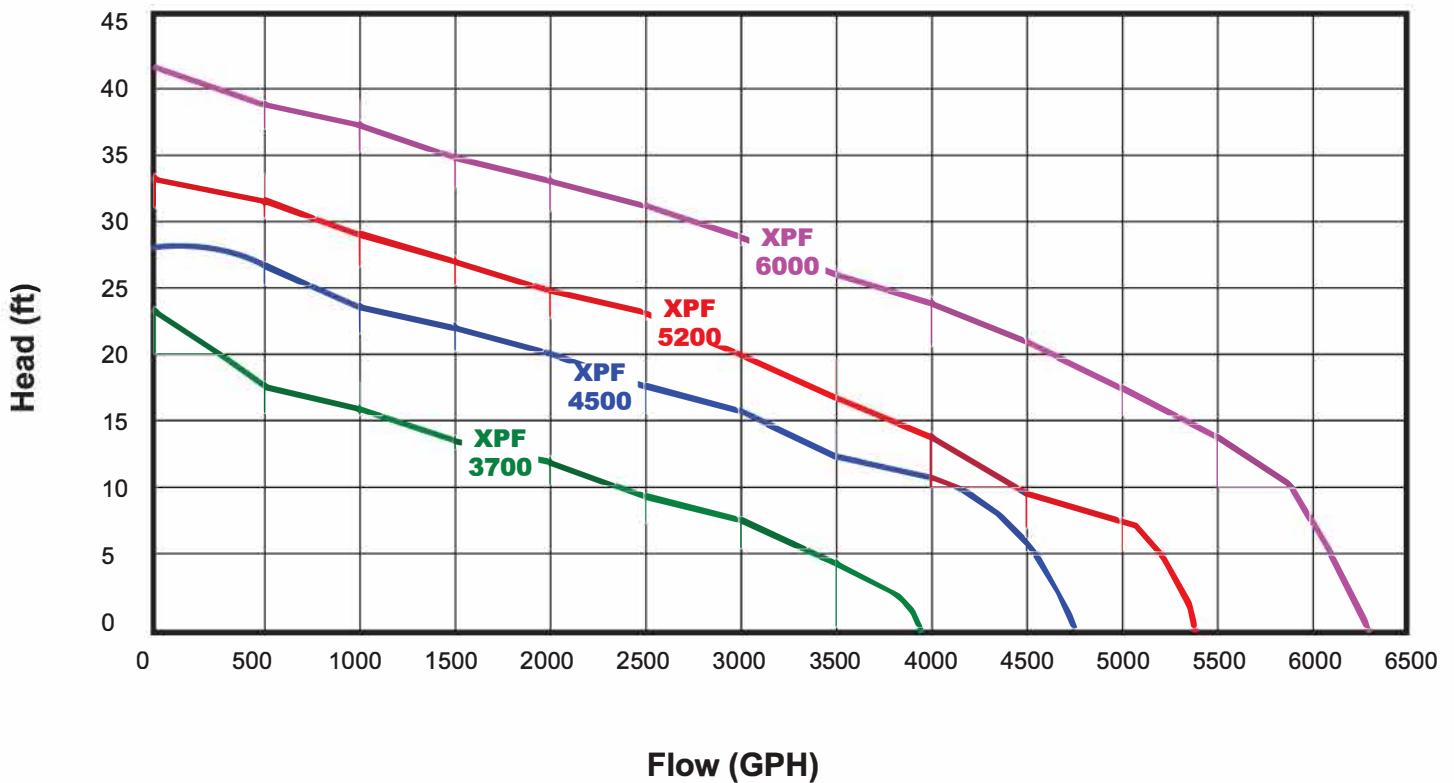
Please review the specification label on the side of the pump.

Check the nameplate for your pump's specification as the table list.

Be careful not to exceed the given specifications in the use of your pump.

Specifications are noted in the chart below.

Model	Power		Discharge		Rated		Maximum		Dimension	Weight
	(Hp)	(W)	(inch)	(MM)	Head (Ft)	Flow (GPH)	Head (Ft)	Flow (GPH)	L x W x H (inch / mm)	lb / kg
<b>115V / 60Hz</b>										
<b>XPF3700</b>	1/5	380	1.5"	38	11.5'	2026GPH	22.5'	3900GPH	9.4 x 6.5 x 14" 240 x 165 x 355mm	15.4 / 7
<b>XPF4500</b>	1/3	470	2"	50	13'	3480GPH	27.5'	4700GPH	9.4 x 6.5 x 14" 240 x 165 x 355mm	15.4 / 7
<b>XPF5200</b>	1/2	620	2"	50	16'	3600GPH	32.8'	5400GPH	9.4 x 6.5 x 14.8" 240 x 165 x 375mm	17.6 / 8
<b>XPF6000</b>	1	820	2"	50	25'	3800GPH	41'	6200GPH	9.4 x 6.5 x 15.4" 240 x 165 x 390mm	19.8 / 9



# Installation

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## Symbol and Meaning:



### **DANGER:**

DANGER: Keep the pump out of the reach of children!

*Warns that the failure to follow the directions given could cause serious risk to individuals or objects.*



### **WARNING**

WARNING: This sign warns the operator that the failure to follow instructions, may damage the pump or the system.

## Limitations:

The XPF Series pumps are suitable for pumping rain water and also can be used both for permanent and temporary installation. The pump is designed to be placed in a skimmer or in the bottom of a pond, capable of pumping dirty water containing suspended solids up to 3/4inches/19mm (in Diameter).

**! WARNING:** *The pump cannot be used for salt water, flammable, corrosive, explosive or dangerous liquids. This series of pumps is not recommended for ponds with very small fish.*

## Installation:

- ! WARNING:**
- *Do not work on pump while it is plugged in.*
  - *Do not cut off ground pin or use an adapter fitting.*
  - *Do not use an extension cord*
  - *Do not use this pump for other than its intended use.*
  - *The use of attachments not recommended or sold by the pump manufacturer may cause an unsafe condition.*
  - *Do not install or store the pump where it will be exposed to the weather or to temperatures below freezing.*
  - *This pump is designed for use in water with a maximum temperature of 95F (35C).*
  - *Make sure that the water depth is at least 6 inches (15 cm) above the pump's intake to prevent the pump running dry.*
  - *Read and observe all notices on the pump and cord.*
  - *Care should be taken to arrange the cord so that it will not be tripped over or pulled.*

The pump power cord should be connected to a separately fused, grounded line with a minimum capacity of 15 amps. It can be connected to a non-fuse breaker at the recommended amperage. Never touch the pump when it is connected to electrical power.

- 1.** Before installing or servicing this pump, be certain power source has been disconnected.
- 2.** Installation and electrical wiring must adhere to state and local codes and must be completed before priming pump. Check appropriate community agencies, or contact local electrical and pump professionals.

3. Call an electrician when in doubt. Pump should be connected to a separate 15 amps circuit breaker or 15 amp fuse block. Note that, plugging into existing outlets may cause low voltage at motor, causing blown fuses, tripping of Thermal Overload, or potentially burning out the pump.
4. A permanent ground connection from pump to the grounding bar at the service panel is mandatory. Teton XPF pumps come with a grounding conductor and a grounding-type attachment plug. Do not connect pump to a power supply until permanently grounded. For maximum safety, connect pump to a circuit equipped with a Ground Fault Circuit Interrupter (GFCI) device when you position the pump's grounding wire.
5. Voltage of power supply must match the voltage of the pump.
6. Before installing pump, clear skimmer or pond of debris or sediment.  
**! WARNING:** *Teton XPF pumps are not designed for and CANNOT be installed in locations classified as hazardous.*
7. **! WARNING :** *The following may cause severe damage to pump and may void warranty:*
  - (a) Using an extension cord.
  - (b) Cutting off the ground pin or using an adapter fitting.
  - (c) Working on pump or switch while plugged in.
  - (d) Removing motor housing, unscrewing impeller, or otherwise removing impeller seal.
  - (e) Pumping chemicals or corrosive liquids.
  - (f) Pumping gasoline or other flammable liquids.
8. **Piping:** Plastic PVC pipe, drain hose, galvanized steel or copper pipe may all be used. All piping must be clean and free of all foreign matter to prevent clogging. Use thread compound on all threaded joints unless specified otherwise. Be sure to seal the thread connection with tape seal when using the pipe fitting to connect to the flange.

## Electrical Wiring

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### Electrical Wire Connection:

**! WARNING:** *Verify that the voltage and frequency of the pump shown on the nameplate corresponds to those available on the main. The installer must make sure that the electric system is grounded in accordance with current building code.*

All plugs and connections should be located remotely from the pond, protected from water. Before using the pump, always inspect it visually (especially power cable and plug).

Do not use the pump if it is damaged. If the pump is damaged, have it inspected by a professional or the Authorized Dealer where it was purchased. Make sure that electric connections are protected from flooding, heat, oil or sharp objects. **! WARNING:** *The power cable must be replaced by a qualified professional only.*

Grounding: The plug of the power cable has a double grounding contact, so that grounding will take place by simply inserting the plug.

### Overload protection:

The XPF series pumps have been designed with a built in Thermal Overload switch. The pump will immediately stop if the Thermal Overload switch activates. The motor restarts automatically after it has cooled down.

# Warranty

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## Limited Warranty:

Please contact the nearest authorized Teton Dynamics dealer with any warranty questions.

Teton Dynamics will replace a XPF pump which proves defective due to materials or workmanship within 2 years of purchase date. Teton Dynamics will possess the sole right to determine whether to repair or replace defective equipment, parts or components.

***THIS WARRANTY DOES NOT COVER DAMAGE DUE TO LIGHTNING OR OTHER CONDITIONS BEYOND THE CONTROL OF TETON DYNAMICS.***

## LABOR & COSTS :

Teton Dynamics will in no event be liable for the cost of any field labor or other charges incurred by any customer Teton Pump product, parts or component.

## THE WARRANTY WILL NOT APPLY:

- (a) to defects or malfunctions resulting from failure to properly install, operate, or maintain the unit in accordance with printed instructions provided.
- (b) to failures resulting from abuse, accidents or negligence.
- (c) to normal maintenance services and the parts used in connection with such service.
- (d) to units which are not installed in accordance with applicable local codes, ordinances, and good trade practices.
- (e) if unit is used for purposes other than what it was designed and manufactured for.

***WARRANTY EXCLUSIONS: TETON DYNAMICS SPECIFICALLY DISCLAIMS THE IMPLIED WARRANTIES OF MERCHANDISE AFTER THE TERMINATION OF THE WARRANTY PERIOD.***

## Note:

**1.**Should your equipment not function correctly, please first check for other reasons, e.g. interruption of the power supply, or incorrect handling may be the cause.

**2.**Please note that it is imperative that the following documents and details are produced together with your faulty equipment :

- (a)** Purchase receipt
- (b)** Designation of the apparatus/ type/ brand
- (c)** Description of the noted defect (an accurate description of the defect makes a rapid repair easier for us)

***In the case of a claim for warranty or defect, please contact the place of purchase. Consumer must present a copy of the original purchase receipt to process any warranty claim***

# Troubleshooting

Problems	Possible Causes
<p><b>Pump is not working</b></p>	<ul style="list-style-type: none"> <li>* Line circuit breaker is off, or fuse is blown.</li> <li>* Water in skimmer or pond has reached a level which is insufficient for pump to operate.</li> <li>* Pump cord is not making contact in receptacle.</li> <li>* Float (optional) is stuck. It should operate freely</li> <li>* If all of the above are OK then the motor could be defective.</li> </ul>
<p><b>Pump runs but does not pump water</b></p>	<ul style="list-style-type: none"> <li>* Check valve (optional) is installed backwards. (Not included with pump) Arrow on valve should point in direction of flow.</li> <li>* Discharge shut-off valve (if used) may be closed.</li> <li>* Impeller or volute openings are fully or partially clogged. Remove pump and clean.</li> <li>* Pump is air-locked. Start and stop several times by plugging and unplugging cord. Check for clogged vent hole in pump case.</li> <li>* Inlet holes in pump base are clogged. Remove pump and clean the openings.</li> <li>* Vertical pumping distance is too high or the pipe size is too small. Reduce vertical distance or increase the pipe size fittings.</li> </ul>
<p><b>Pump runs but pumps only a small amount of water</b></p>	<ul style="list-style-type: none"> <li>* Pump is air-locked. Start and stop several times by plugging and unplugging cord. Check for clogged vent hole in pump case.</li> <li>* Vertical pumping distance is too high or pipe size is too small. Reduce vertical distance or increase the pipe size.</li> <li>* Inlet holes in pump base are clogged. Remove pump and clean the openings.</li> <li>* Impeller or volute openings are fully or partially clogged. Remove pump and clean.</li> <li>* Pump impeller is partially clogged with debris, tar or paint, causing motor to run slow and overload. Remove pump and clean.</li> </ul>
<p><b>Fuse blows or circuit breaker trips when pump starts.</b></p>	<ul style="list-style-type: none"> <li>* Pump impeller is partially clogged with debris causing motor to run slow and overload. Remove pump and clean.</li> <li>* Motor stator may be defective.</li> <li>* Fuse size or circuit breaker may be too small. (Must be 15 amps).</li> <li>* Impeller or volute opening are fully or partially clogged. Remove pump and clean.</li> </ul>
<p><b>Motor runs for a short time, then stops.</b></p>	<ul style="list-style-type: none"> <li>* Inlet holes in pump base are clogged. Remove pump and clean the openings.</li> <li>* Pump impeller is partially clogged with debris causing motor to run slow and overload. Remove pump and clean.</li> <li>* Motor stator may be defective.</li> <li>* Impeller or volute openings are fully or partially clogged. Remove pump and clean.</li> </ul>



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