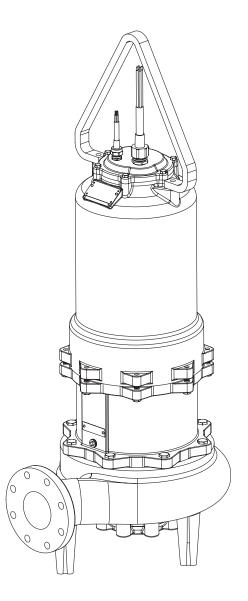


# **HYDROMATIC**<sup>®</sup>



# MODELS S4T(X)P, S8L(X)P, S8LA(X)P and S12L(X)P (Class I, Division 1, Groups C & D): FM SUBMERSIBLE SOLIDS HANDLING PUMP

### **INSTALLATION AND SERVICE MANUAL** For use with product built with Premium Efficient motor.

(Hazardous Location Motor End)

Pending



Make sure this manual is provided to the owner of the equipment or to the responsible party who maintains the system.

# **General Information**

#### Attention:

This manual contains important information for the safe use of this product. Read completely and do not throw away.

Reasonable care and safe methods should be practiced. Check local codes and requirements before installation.

#### **Unpacking Pump:**

When unpacking unit, check for damage. Claims for damage must be made at the receiving end through the delivery carrier. Damage cannot be processed from the factory.

#### WARNING: Before handling these pumps and controls, always disconnect the power first. Do not smoke or use sparkable electrical devices or flames in a septic (gaseous) or possible septic sump.

#### CALIFORNIA PROPOSITION 65 WARNING:

**A** WARNING This product and related accessories contain chemicals known to the State of California to cause cancer, birth defects or other reproductive harm.

# Pumps in Storage or Not Operating:

Pumps with silicon/carbide seals must have impellers manually rotated (6 revolutions) after setting nonoperational for 3 months or longer and prior to electrical start-up.

Pumps with tungsten carbide seals must have impellers manually rotated (6 revolutions) after setting non-operational for 3 weeks or longer and prior to electrical start-up.

#### Seal Failure Probes:

All hazardous location submersible pumps have two factory installed moisture detectors (seal failure probes). They are in a normally open series circuit in the seal chamber. Under normal operating conditions, the circuit remains open. If the lower seal leaks and moisture enters this chamber, the moisture would settle to the bottom of the chamber and will complete the circuit between the moisture detectors.

This circuit must be connected to a sensing unit and signaling device. This is supplied in a Hydromatic<sup>®</sup> built control panel.

# **NOTE:** Failure to install such a device negates all warranties by Hydromatic.

#### Heat Sensors:

All motors in this family have heat sensors on or embedded in the motor winding to detect excessive heat. This prevents damage to the motor. If sensor trips due to excessive winding temperature, the starter in the panel breaks power to the pump. Once the sensor resets, the starter is automatically reset for FM for continued operation of the pump. This circuitry is supplied in a Hydromatic control panel.

The sensors are set to trip at 150°C.

#### NOTE: Failure to install such circuitry would negate FM approvals and all warranties by Hydromatic.

#### **Power Cords:**

The power cord and heat sensor seal failure cord are potted into the cord cap. The cords must not be spliced.

NOTE: Each cable has a green lead. This is the ground wire and must be grounded properly per NEC and/or local codes. Cords should be inspected for abnormal wear and replaced accordingly.

#### **Overload Heaters:**

If the Hydromatic electrical panel is not used, starters with 3 leg overload relay must be supplied on 3 phase pumps. Each leg is to have an identical heater sized in accordance with the nameplate amps on the motor housing. The amp draw on these submersible motors is slightly higher than a corresponding horsepower surface motor, so heaters must be sized by the nameplate rating.

# **Pump Installation**

#### **Installing Sump Level Controls Float Controls:**

In either simplex, duplex or triplex systems the lower or turn-off control is to be set to maintain a minimum level in the sump. This level shall be no more than 3-1/4" from the top of the motor housing down to the surface of the sewage.

The second or turn-on control is set above the lower turn-off control. The exact distance between the two floats must be a compromise between a frequent pumping cycle (10 starts per hour max.) to control septicity, solids and a slower cycle for energy economy. This distance should be determined by the engineer or consulting engineer, depending on the conditions of the application.

#### **Installing Pump in Sump:**

Before installing the pump in the sump, lay it on its side and rotate impeller. Impeller may be slightly stuck due to factory test water. The impeller should turn freely. Do not connect the power until after this test.

Clean all debris from sump and connect pump to piping. A check valve must be installed on each pump. A gate or plug valve in each pump discharge is highly recommended. This valve should be installed on the discharge side of the check valve so if necessary to service the check valve, the line pressure can be cut off. Single pump systems are sometimes installed without a check valve where it is desirable to self-drain the discharge line to prevent freezing. This can be done only with short discharge lines; otherwise water will return to the sump and cause short cycling of the pump.

#### Making Electrical Connections:

All electrical wiring must be in accordance with local code, and only qualified electricians should make the installations. All wires should be checked for shorts to ground with an ohmmeter or Megger after the connections are made. This is important, as one grounded wire can cause considerable trouble.

#### IMPORTANT: If equipment is not properly wired and protected as recommended, Hydromatic<sup>®</sup> warranty is void.

# Heat Sensor and Seal Failure Connections:

If a Hydromatic control panel is used, terminal blocks are provided for heat sensor and seal failure connections. If a control panel is supplied by others, it must allow heat sensor and seal failure terminations.

# **Pump Operations**

#### **Starting System:**

- 1. Double check all wire connections.
- 2. Turn pumps to Off position on H-O-A switches.
- 3. Turn on breakers.
- 4. When using three phase pumps, turn the H-O-A switch to Hand position on one pump and notice operation. If pump is noisy and vibrates, rotation is wrong. To change rotation, interchange any two line leads to pump. Do not interchange main incoming lines. Check rotation of all pumps in this same manner.
- 5. Now set both H-O-A switches to Auto position and allow water to rise in sump until one pump starts. Allow pump to operate until the level drops to turn-off point.
- 6. Allow sump level to rise to start other pump(s). Notice run lights in panel. Pumps should alternate on each successive cycle of operation.
- 7. Turn both H-O-A switches to Off position and allow sump to fill to the override control level(s).
- 8. Turn switches to Auto position, and pumps should start and operate together until level drops to turn-off point.

- 9. Repeat this operation and cycle several times before leaving the job.
- Check voltage when pumps are operating and check the amp draw of each pump. Check amps on each wire as sometimes a high leg will exist. For excessive voltage on one leg, the electric utility company should be consulted.

# **Pump Maintenance**

As the motors are oil filled, no lubrication or other maintenance is required.

If the heat sensor and seal failure are hooked up properly, no attention is necessary as long as the seal failure indicator light does not come on. To ensure continuity of the seal sensor leads, a test light is provided on intrinsically safe Hydromatic panels as standard equipment.

Pump should be checked every quarter for corrosion and wear.

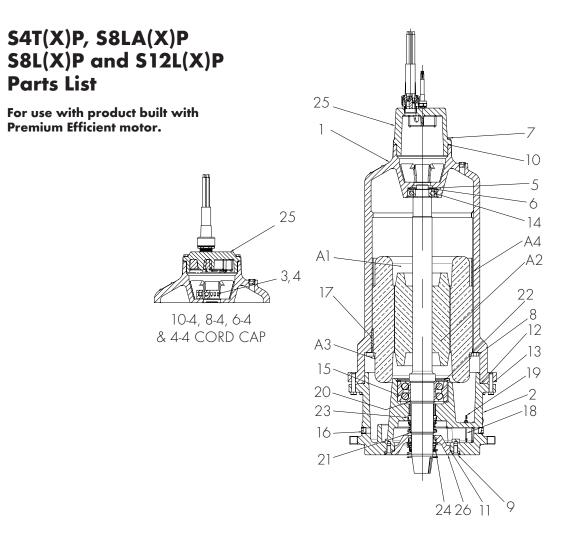
# Field Service on Hydromatic Hazardous Location Pumps:

If a Hydromatic hazardous location pump is used in a hazardous location, the pump must be returned to the factory for electrical and motor service. This will ensure the integrity of the hazardous location rating of the pump and comply with our warranty requirements.

The quick disconnect cords, upper and lower seal, volute and impeller components may be repaired or replaced by an authorized Hydromatic service facility without compromising the hazardous location rating to the pump.

Any time the seal is disturbed, it must be replaced.

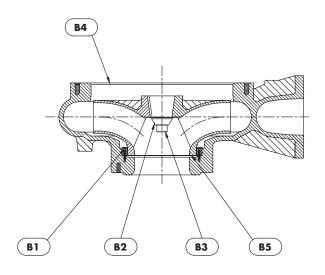
Check the pump for proper rotation before returning to service.



|      |           | 320 Frame Pumps                            | 0   | 360 Frame Pumps |   |
|------|-----------|--|-----|-----------------|---|
| ltem | Eng. No.  | Description                                | Qty | Eng. No.        | Description                               |
| 1    | 28013D000 | Housing – Motor 30 hp – 75 hp              | 1   | 28014D000       | Housing — Motor 150 hp                    |
|      | 28013D001 | Housing – Motor 20 hp – 25 hp              | 1   | 28014D001       | Housing – Motor 40 hp – 125 hp            |
| 2    | 27977D010 | Housing – Bearing                          | 1   | 27990D010       | Housing — Bearing                         |
| 3    | 27882A009 | Terminal Block 8 Awg and Smaller           | 1   | 27882A009       | Terminal Block*                           |
| 4    | 06106A069 | Screw – Cap SKT HD Terminal Block          | 2   | 06106A069       | Screw – Cap SKT HD Terminal Block         |
| 5    | 110650043 | Screen                                     | 1   | 110650053       | Screen                                    |
| 6    | 19331A009 | Washer — Spring                            | 1   | 000640111       | Washer — Spring                           |
| 7    | 19101A017 | Screw — Cap                                | 6   | 19101A017       | Screw — Cap                               |
| 8    | 083540003 | Stator Ring                                | 1   | 083543603       | Stator Ring                               |
| 9    | 029210011 | Screw – Cap Flat HD Seal Plate             | 4   | 029210011       | Screw – Cap Flat HD Seal Plate            |
| 10   | 001500191 | O-Ring, Cord Cap                           | 1   | 001500191       | O-Ring, Cord Cap                          |
| 11   | 001500361 | O-Ring, Seal Plate                         | 1   | 001500361       | O-Ring, Seal Plate                        |
| 12   | 001500381 | O-Ring, Motor Housing                      | 1   | 001500351       | O-Ring, Motor Housing                     |
| 13   | 19101A048 | Screw — Cap                                | 12  | 19105A044       | Screw — Cap                               |
| 14   | 08565A026 | Ball Bearing Upper                         | 1   | 000650351       | Ball Bearing Upper                        |
| 15   | 071670191 | Ball Bearing Lower Double Row              | 1   | 071670201       | Ball Bearing Lower Double Row             |
| 16   | 009240101 | Plug — Pipe 1/2" Skt Hd. Brass             | 3   | 009240101       | Plug-Pipe 1/2" Skt Hd. Brass              |
| 17   | 065790011 | Stator Key                                 | 1   | 065790011       | Stator Key                                |
| 18   | 109010011 | Probe — Seal Failure                       | 2   | 109010011       | Probe — Seal Failure                      |
| 19   | 10900025  | Seal — Sensor Ass'y (Not Shown)            | 1   | 10900025        | Seal — Sensor Ass'y (Not Shown)           |
| 20   | 009750141 | Ring – Retaining External                  | 1   | 009750141       | Ring – Retaining External                 |
| 21   | 009750101 | Ring — Retaining External seal             | 1   | 009750101       | Ring – Retaining External seal            |
| 22   | 009740151 | Ring – Retaining Internal                  | 1   | 009740151       | Ring – Retaining Internal                 |
| 23   | 037183001 | Shaft Seal Sil Car/ Carbon — Nitrile Upper | 1   | 27995A000       | Shaft Seal Sil Car/Carbon — Nitrile Upper |
| 24   | 27996A000 | Shaft Seal Sil Car/ Carbon — Nitrile Lower | 1   | 27997A000       | Shaft Seal Sil Car/Carbon — Nitrile Lower |
|      | 152880315 | Cord Cap assembly – 10-4 SOOW              | 1   | 152880325       | Cord Cap assembly 8-4 SOOW                |
|      | 152880325 | Cord Cap assembly — 8-4 SOOW               | 1   | 152880335       | Cord Cap assembly 6-4 SOOW                |
|      | 152880335 | Cord Cap assembly – 6-4 SOOW               | 1   | 152880345       | Cord Cap assembly 4-4 SOOW                |
| 25   | 152880345 | Cord Cap assembly – 4-4 SOOW               | 1   | 152885355       | Cord Cap assembly 2-4 SOOW                |
|      | 152885355 | Cord Cap assembly – 2-4 SOOW               | 1   | 152885365       | Cord Cap assembly 0-4 SOOW                |
|      | 152885365 | Cord Cap assembly – 0-4 SOOW               | 1   | 152885375       | Cord Cap assembly 4/0-3 SOOW              |
| 26   | 073980312 | Seal Plate                                 | 1   | 073980412       | Seal Plate                                |

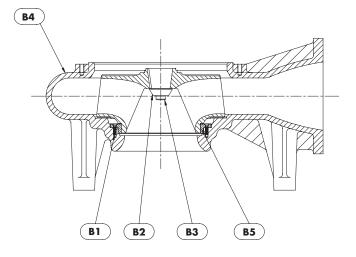
 $^{\ast}$  Terminal block requires 460/575V and 8 AWG or smaller wire.

# Wet End Components



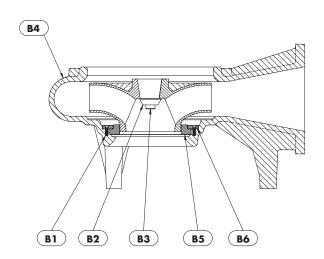
# S4T(X)P

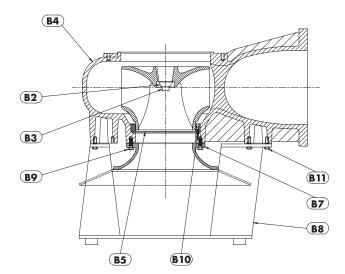




## S8LA(X)P







| ITEM | DESCRIPTION              | S4T(X)P       | S8L(X)P       | S8LA(X)P      | S12L(X)P      |
|------|--------------------------|---------------|---------------|---------------|---------------|
| B1   | SCREW-MACH. FL. HD.      | 008290091 (4) | 07597A021 (4) | 07597A021 (4) | _             |
| B2   | WASHER – IMPELLER        | 019450013     | 019450013     | 019450013     | 019450013     |
| B3   | SCREW-CAP (HEX SOC.) 3/4 | 038790021     | 038790021     | 038790021     | 038790021     |
| B4   | VOLUTE                   | 136880002     | 073942002     | 073940002     | 25457F200     |
| B5   | RING – WEAR              | 136950003     | 083450002     | 135350003     | 24548D000     |
| B6   | CLAMP – WEAR RING        | -             | -             | 135360003     | _             |
| B7   | BELL – SUCTION           | -             | _             | _             | 105871002     |
| B8   | STAND – PUMP             | -             | -             | -             | 106270005     |
| B9   | SCREW-CAP HEX SST 1/2-13 | -             | -             | _             | 19106A017     |
| B10  | SCREW-CAP HEX SST 1/2-13 | _             | _             | _             | 06106A019 (3) |
| B11  | SCREW-CAP SKT HD 1/4-20  | _             | _             | _             | 19103A052 (8) |

# 320 Frame Pump Motors Parts Group

| ITEM | 4-POLE 1750 RPM             | 75 HP<br>460/3/60 | 75 HP<br>575/3/60 |
|------|-----------------------------|-------------------|-------------------|
| A1   | STATOR                      | 27969D003         | 27969D603         |
| A2   | <b>ROTOR/SHAFT ASSEMBLY</b> | 27969D011         | 27969D011         |
| A3   | BOLT-STATOR                 | 005560181 (6)     | 005560181 (6)     |

| ITEM | 6-POLE 1150 RPM             | 40-50 HP<br>460/3/60 | 40-50 HP<br>575/3/60 |
|------|-----------------------------|----------------------|----------------------|
| A1   | STATOR                      | 27972D003            | 27972D603            |
| A2   | <b>ROTOR/SHAFT ASSEMBLY</b> | 27972D011            | 27972D011            |
| A3   | BOLT-STATOR                 | 005560181 (6)        | 005560181 (6)        |

| ITEM | 8-POLE 870 RPM       | 20-25 HP<br>208-230-460/3/60 | 20-25 HP<br>575/3/60 | 30-40 HP<br>230-460/3/60 | 30-40 HP<br>575/3/60 |
|------|----------------------|------------------------------|----------------------|--------------------------|----------------------|
| A1   | STATOR               | 27975D003                    | 27975D603            | 27973D003                | 27973D603            |
| A2   | ROTOR/SHAFT ASSEMBLY | 27975D011                    | 27975D011            | 27973D011                | 27973D011            |
| A3   | BOLT-STATOR          | 06106A027 (6)                | 06106A027 (6)        | 06106A027 (6)            | 06106A027 (6)        |
| A4   | SPACER               | 086620131                    | 086620131            | 086620111                | 086620111            |

# 360 Frame Pump Motors Parts Group

| ltem | 4-POLE 1750 RPM      | 100 HP<br>460/3/60 | 100 HP<br>575/3/60 | 125 HP<br>460/3/60 | 125 HP<br>575/3/60 | 150 HP<br>460/3/60 | 150 HP<br>575/3/60 |
|------|----------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|
| A1   | STATOR               | 27980D003          | 27980D603          | 27981D003          | 27981D603          | 27982D003          | 27982D603          |
| A2   | ROTOR/SHAFT ASSEMBLY | 27981D011          | 27981D011          | 27981D011          | 27981D011          | 27982D011          | 27982D011          |
| A3   | BOLT-STATOR 1/2-13   | 06106A068 (6)      |

|      |                      | 60-75 HP      | 60-75 HP      |
|------|----------------------|---------------|---------------|
| ITEM | 6-POLE 1150 RPM      | 460/3/60      | 575/3/60      |
| A1   | STATOR               | 27984D003     | 27984D603     |
| A2   | ROTOR/SHAFT ASSEMBLY | 27984D011     | 27984D011     |
| A3   | BOLT-STATOR          | 06106A068 (6) | 06106A068 (6) |
| A4   | SPACER               | 086625011     | 086625011     |

# 320 Frame Pump Impellers Parts List

## S4T(X)P

| CAT. NO.    | ENG. NO.  | HP | VOLT/PH | CORD | TRIM | IMPELLER  |  |
|-------------|-----------|----|---------|------|------|-----------|--|
| 1750 RPM    |           |    |         |      |      |           |  |
| S4TXP7500FC | 528150007 | 75 | 460/3   | 2-4  | 13   | 135321092 |  |
| S4TXP7500GC | 528150017 | 75 | 575/3   | 2-4  | 13   | 135321092 |  |

#### S8L(X)P

| •         |   |  |  |  |   |  |  |  |  |
|-----------|---|--|--|--|---|--|--|--|--|
| ENG. NO.  | HP  | VOLT/PH  | CORD   | TRIM   | IMPELLER  |  |  |  |  |
| 1750 RPM  |   |  |  |  |   |  |  |  |  |
| 528170007 | 75  | 460/3  | 2-4  | 12.13 X 11.13  | 25252D559   |  |  |  |  |
| 528170017 | 75  | 575/3  | 2-4  | 12.13 X 11.13  | 25252D559   |  |  |  |  |
|           |   |  |  |  |   |  |  |  |  |
| 528170047 | 40  | 460/3  | 6-4  | 14.25 X 13.25  | 25252D553   |  |  |  |  |
| 528170057 | 40  | 575/3  | 8-4  | 14.25 X 13.25  | 25252D553   |  |  |  |  |
| 528170067 | 50  | 460/3  | 4-4  | 15 X 14  | 25252D551   |  |  |  |  |
| 528170077 | 50  | 575/3  | 6-4  | 15 X 14  | 25252D551   |  |  |  |  |
|           |   |  |  |  |   |  |  |  |  |
| 528170087 | 20  | 208/3  | 6-4  | 14.88 X 13.88  | 25252D552   |  |  |  |  |
| 528170097 | 20  | 230/3  | 6-4  | 14.88 X 13.88  | 25252D552   |  |  |  |  |
| 528170107 | 20  | 460/3  | 8-4  | 14.88 X 13.88  | 25252D552   |  |  |  |  |
| 528170117 | 20  | 575/3  | 8-4  | 14.88 X 13.88  | 25252D552   |  |  |  |  |
| 528170127 | 25  | 208/3  | 4-4  | 15   | 25252D550   |  |  |  |  |
| 528170137 | 25  | 230/3  | 4-4  | 15   | 25252D550   |  |  |  |  |
| 528170147 | 25  | 460/3  | 8-4  | 15   | 25252D550   |  |  |  |  |
| 528170157 | 25  | 575/3  | 8-4  | 15   | 25252D550   |  |  |  |  |
|           | ENG. NO.<br>528170007<br>528170017<br>528170047<br>528170057<br>528170067<br>528170077<br>528170077<br>528170097<br>528170107<br>528170117<br>528170127<br>528170137<br>528170147 | ENG. NO.         HP           528170007         75           528170017         75           528170017         75           528170047         40           528170057         40           528170067         50           528170077         50           528170087         20           528170097         20           528170107         20           52817017         20           528170137         25           528170137         25           528170147         25 | ENG. NO.         HP         VOLT/PH           528170007         75         460/3           528170017         75         575/3           528170017         75         575/3           528170057         40         575/3           528170057         40         575/3           528170057         40         575/3           528170067         50         460/3           528170077         50         575/3           528170077         50         575/3           528170077         20         208/3           52817007         20         230/3           52817017         20         460/3           52817017         20         575/3           52817017         20         208/3           52817017         20         575/3           52817017         25         208/3           528170137         25         230/3           528170137         25         230/3           528170147         25         460/3 | ENG. NO.         HP         VOLT/PH         CORD           528170007         75         460/3         2.4           528170017         75         575/3         2.4           528170017         75         575/3         2.4           528170017         75         575/3         2.4           528170017         70         575/3         8.4           528170057         40         575/3         8.4           528170067         50         460/3         4.4           528170077         50         575/3         6.4           528170087         20         208/3         6.4           528170087         20         208/3         6.4           52817007         20         230/3         6.4           528170107         20         460/3         8.4           528170107         20         575/3         8.4           528170117         20         575/3         8.4           528170127         25         208/3         4.4           528170137         25         230/3         4.4           528170147         25         460/3         8.4 | ENG. NO.         HP         VOLT/PH         CORD         TRIM           528170007         75         460/3         2-4         12.13 X 11.13           528170017         75         575/3         2-4         12.13 X 11.13           528170017         75         575/3         2-4         12.13 X 11.13           528170017         75         575/3         2-4         12.13 X 11.13           528170057         40         575/3         8-4         14.25 X 13.25           528170057         40         575/3         8-4         14.25 X 13.25           528170057         40         575/3         6-4         15 X 14           528170077         50         575/3         6-4         15 X 14           528170087         20         208/3         6-4         14.88 X 13.88           528170077         20         230/3         6-4         14.88 X 13.88           528170107         20         460/3         8-4         14.88 X 13.88           52817017         20         575/3         8-4         14.88 X 13.88           528170127         25         208/3         4-4         15           528170137         25         230/3         4-4 |  |  |  |  |

### S8LA(X)P

| CAT. NO.     | ENG. NO.  | HP | VOLT/PH | CORD | TRIM | IMPELLER  |
|--------------|-----------|----|---------|------|------|-----------|
| 1750 RPM     |           |    |         |      |      |           |
| S8LAXP7500FC | 528160007 | 75 | 460/3   | 2-4  | 13   | 135320052 |
| S8LAXP7500GC | 528160017 | 75 | 575/3   | 2-4  | 13   | 135320052 |

#### S12L(X)P

|              | -/-       |    |         |             |         |           |
|--------------|-----------|----|---------|-------------|---------|-----------|
| CAT. NO.     | ENG. NO.  | HP | VOLT/PH | CORD        | TRIM    | IMPELLER  |
| 1750 RPM     |           |    |         |             |         |           |
| S12LXP7500FC | 528180007 | 75 | 460/3   | 2-4         | 11 X 10 | 25456E562 |
| S12LXP7500GC | 528180017 | 75 | 575/3   | 2-4         | 11 X 10 | 25456E562 |
| 1150 RPM     |           |    |         |             |         |           |
| S12LXP4000FB | 528180047 | 40 | 460/3   | 6-4         | 12.38   | 25456E559 |
| S12LXP4000GB | 528180057 | 40 | 575/3   | 8-4         | 12.38   | 25456E559 |
| S12LXP5000FB | 528180067 | 50 | 460/3   | 4-4         | 13      | 25456E556 |
| S12LXP5000GB | 528180077 | 50 | 575/3   | 6-4         | 13      | 25456E556 |
| 870 RPM      |           |    |         | · · · · · · |         |           |
| S12LXP2000DA | 528180087 | 20 | 208/3   | 6-4         | 13      | 25456E556 |
| S12LXP2000EA | 528180097 | 20 | 230/3   | 6-4         | 13      | 25456E556 |
| S12LXP2000FA | 528180107 | 20 | 460/3   | 8-4         | 13      | 25456E556 |
| S12LXP2000GA | 528180117 | 20 | 575/3   | 8-4         | 13      | 25456E556 |
| S12LXP2500DA | 528180127 | 25 | 208/3   | 4-4         | 13.5    | 25456E554 |
| S12LXP2500EA | 528180137 | 25 | 230/3   | 4-4         | 13.5    | 25456E554 |
| S12LXP2500FA | 528180147 | 25 | 460/3   | 8-4         | 13.5    | 25456E554 |
| S12LXP2500GA | 528180157 | 25 | 575/3   | 8-4         | 13.5    | 25456E554 |
| S12LXP3000EA | 528180167 | 30 | 230/3   | 4-4         | 14      | 25456E552 |
| S12LXP3000FA | 528180177 | 30 | 460/3   | 8-4         | 14      | 25456E552 |
| S12LXP3000GA | 528180187 | 30 | 575/3   | 8-4         | 14      | 25456E552 |
| S12LXP4000FA | 528180197 | 40 | 460/3   | 8-4         | 14.25   | 25456E568 |
| S12LXP4000GA | 528180207 | 40 | 575/3   | 8-4         | 14.25   | 25456E568 |

# 360 Frame Pump Impellers Parts List

| CAT. NO.     | ENG. NO.  | HP  | VOLT/PH | CORD  | TRIM  | IMPELLER  |  |
|--------------|-----------|-----|---------|-------|-------|-----------|--|
| 1750 RPM     |           |     |         |       |       |           |  |
| S4TXP10000FC | 528155067 | 100 | 460/3   | 0-4   | 14    | 135321052 |  |
| S4TXP10000GC | 528155077 | 100 | 575/3   | 2-4   | 14    | 135321052 |  |
| S4TXP12500FC | 528155007 | 125 | 460/3   | 4/0-3 | 14.5  | 135321032 |  |
| S4TXP12500GC | 528155017 | 125 | 575/3   | 0-4   | 14.5  | 135321032 |  |
| S4TXP15000FC | 528155027 | 150 | 460/3   | 4/0-3 | 15.13 | 135321262 |  |
| S4TXP15000GC | 528155037 | 150 | 575/3   | 0-4   | 15.13 | 135321262 |  |

### S8LA(X)P

|               | •         |     |         |       |       |           |  |  |
|---------------|-----------|-----|---------|-------|-------|-----------|--|--|
| CAT. NO.      | ENG. NO.  | HP  | VOLT/PH | CORD  | TRIM  | IMPELLER  |  |  |
| 1750 RPM      | 1750 RPM  |     |         |       |       |           |  |  |
| S8LAXP10000FC | 528165067 | 100 | 460/3   | 0-4   | 14    | 135320012 |  |  |
| S8LAXP10000GC | 528165077 | 100 | 575/3   | 2-4   | 14    | 135320012 |  |  |
| S8LAXP12500FC | 528165007 | 125 | 460/3   | 4/0-3 | 14.75 | 135320132 |  |  |
| S8LAXP12500GC | 528165017 | 125 | 575/3   | 0-4   | 14.75 | 135320132 |  |  |
| S8LAXP15000FC | 528165027 | 150 | 460/3   | 4/0-3 | 15.13 | 135320162 |  |  |
| S8LAXP15000GC | 528165037 | 150 | 575/3   | 0-4   | 15.13 | 135320162 |  |  |

### S8L(X)P

| CAT. NO.     | ENG. NO.  | HP  | VOLT/PH | CORD  | TRIM          | IMPELLER  |  |  |
|--------------|-----------|-----|---------|-------|---------------|-----------|--|--|
| 1750 RPM     |           |     |         |       |               |           |  |  |
| S8LXP10000FC | 528175087 | 100 | 460/3   | 0-4   | 13 X 12       | 25252D558 |  |  |
| S8LXP10000GC | 528175097 | 100 | 575/3   | 2-4   | 13 X 12       | 25252D558 |  |  |
| S8LXP12500FC | 528175007 | 125 | 460/3   | 4/0-3 | 13.75 x 12.75 | 25252D556 |  |  |
| S8LXP12500GC | 528175017 | 125 | 575/3   | 0-4   | 13.75 x 12.75 | 25252D556 |  |  |
| S8LXP15000FC | 528175027 | 150 | 460/3   | 4/0-3 | 15 x 14       | 25252D551 |  |  |
| S8LXP15000GC | 528175037 | 150 | 575/3   | 0-4   | 15 x 14       | 25252D551 |  |  |
| 1150 RPM     |           |     |         |       |               |           |  |  |
| S8LXP6000FB  | 528175067 | 60  | 460/3   | 4-4   | 15            | 25252D550 |  |  |
| S8LXP6000GB  | 528175077 | 60  | 575/3   | 6-4   | 15            | 25252D550 |  |  |

### S12L(X)P

| CAT. NO.      | ENG. NO.  | HP  | VOLT/PH | CORD  | TRIM      | IMPELLER  |  |
|---------------|-----------|-----|---------|-------|-----------|-----------|--|
| 1750 RPM      |           |     |         |       |           |           |  |
| S12LXP10000FC | 528185127 | 100 | 460/3   | 0-4   | 11.5 X11  | 25456E563 |  |
| S12LXP10000GC | 528185137 | 100 | 575/3   | 2-4   | 11.5 X11  | 25456E563 |  |
| S12LXP12500FC | 528185007 | 125 | 460/3   | 4/0-3 | 12.5 x 11 | 25456E564 |  |
| S12LXP12500GC | 528185017 | 125 | 575/3   | 0-4   | 12.5 x 11 | 25456E564 |  |
| S12LXP15000FC | 528185027 | 150 | 460/3   | 4/0-3 | 13 x11    | 25456E565 |  |
| S12LXP15000GC | 528185037 | 150 | 575/3   | 0-4   | 13 x11    | 25456E565 |  |
| 1150 RPM      |           |     |         |       |           |           |  |
| S12LXP6000FB  | 528185067 | 60  | 460/3   | 4-4   | 13.63     | 25456E553 |  |
| S12LXP6000GB  | 528185077 | 60  | 575/3   | 6-4   | 13.63     | 25456E553 |  |
| S12LXP7500FB  | 528185087 | 75  | 460/3   | 2-4   | 14        | 25456E552 |  |
| S12LXP7500GB  | 528185097 | 75  | 575/3   | 2-4   | 14        | 25456E552 |  |

### STANDARD LIMITED WARRANTY

Pentair Hydromatic<sup>®</sup> warrants its products against defects in material and workmanship for a period of 12 months from the date of shipment from Pentair Hydromatic or 18 months from the manufacturing date, whichever occurs first – provided that such products are used in compliance with the requirements of the Pentair Hydromatic catalog and technical manuals for use in pumping raw sewage, municipal wastewater or similar, abrasive-free, noncorrosive liquids.

During the warranty period and subject to the conditions set forth, Pentair Hydromatic, at its discretion, will repair or replace to the original user, the parts that prove defective in materials and workmanship. Pentair Hydromatic reserves the right to change or improve its products or any portions thereof without being obligated to provide such a change or improvement for prior sold and/or shipped units.

Start-up reports and electrical schematics may be required to support warranty claims. Submit at the time of start up through the Pentair Hydromatic website: http://forms.pentairliterature.com/startupform/startupform.asp?type=h. Warranty is effective only if Pentair Hydromatic authorized control panels are used. All seal fail and heat sensing devices must be hooked up, functional and monitored or this warranty will be void. Pentair Hydromatic will cover only the lower seal and labor thereof for all dual seal pumps. Under no circumstance will Pentair Hydromatic be responsible for the cost of field labor, travel expenses, rented equipment, removal/reinstallation costs or freight expenses to and from the factory or an authorized Pentair Hydromatic service facility.

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