



GENERAL TERMS OF SALE FOR PRODUCTS

Effective: June 2007

1. GENERAL

A. Seller's price is based on these sales terms and conditions. The agreement and inclusion of other or amended terms in this contract will result in a change (including increase) in Seller's price (as may contained in any price books or quotations) and shall reflect such other or amended terms. This contract shall represent the final, complete and exclusive statement of the agreement between the parties and may not be modified, supplemented, explained or waived by parole evidence, any Terms and Conditions contained in Buyer's purchase order or request for quotation, any course of dealings between parties, Seller's performance or delivery, or in any other way. The Terms and Conditions of this contract may only be modified or waived in a written document signed by an Officer of Seller. These terms are intended to cover all activity of Seller and Buyer hereunder, including sales and use of products, parts and work and all related matters (references to products include parts and references to work include construction, installation and start-up). Any reference by Seller to Buyer's specifications and similar requirements are only to describe the products and work covered hereby and no warranties or other terms therein shall have any force of effect. Any information provided by Seller including, but not limited to, suggestions as to specific equipment does not imply any guarantee of specific suitability and/or material compatibility in a particular application. Catalogs, circulars, similar pamphlets and information contained on websites of the Seller are issued for general information purposes only and shall not be deemed to modify the provisions hereof. B. The agreement formed hereby and the language herein shall be construed and enforced under the Uniform Commercial Code as in effect in the State of California on the date hereof.

2. TAXES

Any sales, use or other similar type taxes imposed on this sale or on this transaction and/or any import or export duties or fees as may be assessed or imposed on or as a result of deliveries under this transaction are not included in the price. Such taxes shall be billed separately to the Buyer. Seller will accept a valid exemption certificate from the Buyer if applicable; however, if an exemption certificate previously accepted is not recognized by the governmental taxing authority involved and the Seller is required to pay the tax covered by such exemption certificate. Buyer agrees to promptly reimburse Seller for the taxes paid.

3. PERFORMANCE, INSPECTION AND ACCEPTANCE

A. Unless Seller specifically assumes installation, construction or start-up responsibility, all products shall be finally inspected and accepted within thirty (30) days after arrival at point of delivery. Seller will accept responsibility for installation, construction or start-up all work shall be finally inspected and accepted within thirty (30) days after completion of applicable work by Seller. All claims whatsoever by Buyer, (including claims for shortages) except only those provided for under the WARRANTY AND LIMITATION OF LIABILITY AND PATENTS clauses, hereof, must be asserted in writing by Buyer within said thirty (30) day period or they are waived. If this contract involves partial performance, all such claims must be asserted within said thirty (30) day period for each partial performance. There shall be no revocation of acceptance. Rejection may be only for defects substantially impairing the value of products or work and Buyer's remedy for lesser defects shall be those provided for under the WARRANTY AND LIMITATION OF LIABILITY Clause. B. Seller shall not be responsible for non-performance or for delays in performance occasioned by any causes beyond Seller's reasonable control, including, by way of example and not limitation, to labor difficulties, delays of vendors or carriers, fires, governmental actions, or shortages of material, components, labor, or manufacturing facilities. Any delays so occasioned shall affect a corresponding extension of Seller's performance dates, which are, in any event, understood to be approximate. IN NO EVENT SHALL BUYER BE ENTITLED TO INCIDENTAL OR CONSEQUENTIAL DAMAGES FOR LATE PERFORMANCE OR FOR A FAILURE TO PERFORM. Seller reserves the right to make partial shipments and to ship products, parts or work which may be completed prior to scheduled performance date.

C. In the event that Seller has agreed to mount motors, turbines, gears, or other products which are not manufactured by Seller and which are not an integral part of Seller's manufactured product, and a delay in the delivery of such products to Seller occurs that will cause a delay in Seller's performance date, Seller reserves the right to ship its product upon completion of manufacture and to refund an equitable portion of the amount originally included in the purchase price for mounting without incurring liability for non-performance.

D. Seller reserves to itself the right to change its specifications, drawings and standards if such changes will not impair the performance of its products, and parts, and further those products, and parts, will meet any of Buyer's specifications and other specific product requirements which are a part of this agreement. Seller is a global supplier of products and utilizes parts and products obtained worldwide, and Seller's products supplied under this contract shall be subject to seller's sole determination as to all manufacturing, sourcing, assembly and supply unless otherwise specifically agree in writing.

E. The manufacture and inspection of products and parts shall be to Seller's Engineering and Quality Assurance standards plus such other inspections or tests of documentation as are specifically agreed to by Seller. Requirements for any additional inspection, tests, documentation, or Buyer witness of manufacture, test, and/or inspection shall be subject to additional charges.

4. TITLE AND RISK OF LOSS

Title and risk of loss shall pass to buyer upon delivery of products at the designated "Ex Works" as defined by Incoterms, unless other wise agreed by the parties.

5. EROSION AND CORROSION

It is specifically understood that products and parts sold hereunder are not warranted for operation with erosive or corrosive fluids or for operation with any fluid or under any operating condition in variance with the specifications of this contract. No product or part shall be deemed to be defective by reason of failure to resist erosive or corrosive action of any fluid and Buyer shall have no claim whatsoever against Seller therefore. No product shall be deemed defective by reason of any effect on Seller's products of the action or results (such as vibration) of any goods or system (such as piping) not supplied by Seller.

6. BUYERS RESPONSIBILITY

The design specifications of the equipment require the operation of the equipment within certain parameters and may call for the use of speed controls, safety devices, set points or other control devices to insure that the operation remains within design

parameters. Buyer agrees and understands that the equipment must be operated and maintained within design specifications and operated within the specifications of the contract, irrespective of whether controls or devices are otherwise required.

7. WARRANTY AND LIMITATION OF LIABILITY

A. Seller warrants only that its product and parts, when shipped, will be free from defects in materials and workmanship. All claims for defective products or parts under this warranty must be made in writing immediately upon discovery and, in any event, within two (2) years of shipment by seller and all claims for defective work must be made in writing upon discovery. ANY UNAUTHORIZED DISASSEMBLY, ALTERATION OF OR TAMPERING WITH ANY PRODUCT OR COMPONENT MAY VOID THE WARRANTY. IN THAT SUCH ACTION WILL RESULT IN SELLER BEING RELEASED AND RELIEVED FROM ITS OBLIGATIONS UNDER THIS WARRANTY AND FOR ANY FURTHER COSTS OR CAUTIONS UNDER CLAUSE 7.C, FOLLOWING, AND THE BUYER ASSUMING SOLE RESPONSIBILITY FOR THE COSTS AND RESULTS OF SUCH ACTION. THE FOREGOING IS EXPRESS, IMPLIED AND STATUTORY, INCLUDING WITHOUT LIMITATION, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS. B. ANY PRODUCT (S) SOLD HEREUNDER WHICH IS NOT MANUFACTURED BY SELLER ARE NOT WARRANTED BY SELLER and shall be covered only by the express warranty, if any, of the manufacturer thereof. With respect to products and parts not manufactured by Seller, Seller's only obligation shall be to assign to Buyer, to the extent possible, whatever warranty Seller obtains from the manufacturer.

C. Upon Buyer's submission of a claim as provided above and its substantiation, Seller shall at its option either (i) repair or replace its product, part or work at the original place of shipment, or (ii) refund an equitable portion of the purchase price. D. THE FOREGOING IS SELLER'S ONLY OBLIGATION AND BUYER'S EXCLUSIVE REMEDY FOR BREACH OF WARRANTY AND, EXCEPT FOR BREACH OF WARRANTY AND, EXCEPT FOR THE REMEDIES PERMITTED UNDER THE PERFORMANCE, INSPECTION AND ACCEPTANCE AND THE PATENTS CLAUSES HEREOF, THE FOREGOING IS BUYER EXCLUSIVE REMEDY AGAINST SELLER FOR ALL CLAIMS ARISING HEREUNDER OR RELATING HERETO WHETHER SUCH CLAIMS ARE BASED ON BREACH OF CONTRACT, TORT (INCLUDING NEGLIGENCE OR STRICT LIABILITY), INDEMNITY OR OTHER THEORIES. BUYER'S FAILURE TO SUBMIT A CLAIM AS PROVIDED ABOVE SHALL SPECIFICALLY WAIVE ALL CLAIMS FOR DAMAGES OR OTHER RELIEF, INCLUDING BUT NOT LIMITED TO CLAIMS BASED ON LATENT DEFECTS. IN NO EVENT SHALL BUYER BE ENTITLED TO INDIRECT, SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES, NOR FOR DAMAGES FOR LOSS OF USE, LOST PROFITS OR REVENUE, INTEREST, LOST GOODWILL, WORK OR PRODUCTION STOPPAGE, IMPAIRMENT OF OTHER GOODS, INCREASED EXPENSES OF OPERATION, OR THE COST OF PURCHASING REPLACEMENT POWER OR OTHER SERVICES BECAUSE OR SERVICE INTERRUPTIONS. FURTHERMORE, IN NO EVENT SHALL SELLER'S TOTAL LIABILITY FOR DAMAGES OF BUYER EXCEED THE PURCHASE PRICE OF THE PRODUCTS OR PARTS MANUFACTURED BY SELLER AND UPON WHICH SUCH LIABILITY IS BASED. ANY ACTION (INCLUDING NEGLIGENCE) OR OTHER THEORIES, MUST BE COMMENCED WITHIN ONE (1) YEAR AFTER THE CAUSE OF ACTION ACCRUES OR IT SHALL BE BARRED.

8. PURCHASER'S REPRESENTATIONS & WARRANTIES

Purchaser represents and warrants that the products(s) covered by this contract shall not be used in or in connection with a nuclear facility or application. The parties agree that this representation and warranty is material and is being relied on by seller. This provision may be modified in a separate writing signed by an officer of Price Pump Co.

9. PATENTS

Seller agrees to assume the defense of any suit for infringement of any patents brought against Buyer to the extent of such suit charges infringement of an apparatus or product claim by Seller's product in and of itself, provided (i) said product is built entirely to Seller's design, (ii) Buyer notifies Seller in writing of the filing of such suit within ten (10) days after the service of process thereof, and (iii) Seller is given complete control of the defense of such suit, including the right to defend, settle and make changes in the product for the purpose of avoiding infringement of any process or method claims. Provided however, Seller will not defend any suit for infringement of a claimed patent where such alleged infringement is the result of following specific instruction furnished by Seller.

10. EXTENT OF SUPPLY

Only products as listed in Seller's proposal are included in this agreement. It must not be assumed that Seller has included anything beyond same.

11. MANUFACTURING SOURCES

To maintain delivery schedules, Seller reserves the right to have all or any part of the Buyer's order manufactured at any of Seller's, sellers' licensees or sub contractors' plants, globally.

12. TERMS OF PAYMENT

Net 30 days from date of invoice.

13. ARBITRATION

In the event a dispute arises between the parties relating to or arising out of this agreement, the parties agree to attempt to have their senior management amicably settle the matter. In the event that the matter cannot be settled, the parties shall submit all disputes relating to this Agreement (whether contract, tort, products liability or otherwise) to binding Arbitration before a panel of arbitrators under the Commercial Dispute Resolution Procedures of the American Arbitration Association. Each party shall appoint an arbitrator and the third shall be selected in accordance with the rules of the American Arbitration Association. Judgment upon the award may be entered in any court having jurisdiction. The parties shall cooperate in providing reasonable disclosure of relevant documents. Each party shall bear its own expenses, and the costs and fees of the arbitration shall be borne as allocated by the Arbitrator.



Price[®] Pump Company

Type CL150 MAG-DRIVE Installation, Operating and Maintenance Manual

Warning:

Before installing, repairing or performing maintenance on this pump, read these instructions completely.

Disconnect power to pump before servicing to avoid dangerous or fatal electrical shock .

Match supply voltage to motor nameplate voltage.

Incorrect voltage can cause fire or serious motor damage and void warranty.

Ground motor before connection to electrical power supply!! Failure to ground motor can cause severe or fatal electrical shock!! Do not ground to gas supply line!!

Before disassembling pump, be certain all liquid is removed. If pump was used to move hazardous or toxic materials, it must be decontaminated prior to disassembly.

Motor Mounted Pumps:

It is suggested that these pumps be firmly bolted to a level surface. Adequate air movement around motor will help prevent overheating.

Do not over tighten inlet and outlet piping or volute may fracture.

Power Frame Mounted Pumps

These pumps must be mounted on a rigid steel base that will not warp or flex. Each pump must be mounted such that the pump shaft centerline is on center with the driver shaft centerline. Pad and/or shims will be required on either pump, driver or both. The two shafts should not touch each other and the distance between them depends on the coupling used to connect them.

Misalignment will cause vibration, bearing failure and void warranty. Pumps are rough aligned at the factory but must be realigned after shipment and installation.

Pulley driven pump must have pulleys inline and good belt tightness practices followed.

Direction of Rotation

Note: Motor shaft rotation is viewed from the suction end of pump. A rotational arrow is shown on the front of the pump volute casing.

Incorrect rotation can cause pump damage, failure or reduced performance, voiding warranty. It is best to check rotation by momentarily energizing or jogging the motor prior to filling pump with liquid.

Warning! Do not operate pump without liquid for more than a moment, as damage will result to the pump internal wear surfaces.

Plumbing

All piping should be supported independently of the pump. Piping should not exert any stress on the pump connections.

Suction Piping

(Horizontal Pumps)

Suction line must provide adequate suction pressure and smooth liquid flow for proper pump operation. Air in the suction line due to leaks or improper piping design may cause the pump to lose prime. Non-priming pumps must have their suction flooded at start up. Also, the suction line must provide sufficient pressure (NPSH) and smooth flow to pump inlet to prevent pump cavitation. The suction pipe length entering the pump should be a minimum of 5 times and preferably 10 times the pump inlet diameter. Elbows, fittings or valves installed close to the pump inlet can disrupt liquid flow and cause malfunction. Suction lines must be at least the same diameter as the pump inlet or larger if possible.

Price Pump Company recommends against using foot valves in the suction line to maintain liquid in the pump when it's not operating. If foot valves are used, due to suction lift conditions, they must be properly maintained to avoid leaks resulting from wear or fouling. Suction

piping must be designed to prevent vapor from being trapped in high spots in the piping. This condition may cause the pump to vapor lock.

Discharge Piping

To control flow and discharge head, it is advisable to install a valve (globe, ball, or other adjustable and non-leak type) in the discharge line close to the pump. The valve may be closed during system repairs to prevent backflow. By installing a check valve in the discharge line backflow can also be prevented during maintenance or during periods of pump stoppage.

Operation

All centrifugal pumps must be filled with liquid prior to start up. It is suggested that during initial start up the discharge valve be closed and then opened as the motor develops full rpm's. If pump does not build up pressure as motor speed increases, shut down and make sure that liquid flow into pump is not restricted (see "Troubleshooting").

Note: A centrifugal pumps flow and head (pressure) will vary with the amount of resistance (friction and flow restrictions) in the discharge line. As a valve on the discharge line opens the flow and motor amp draw will increase and head (pressure) will drop. As a valve on the discharge is closed the flow and amp draw will decrease and the head will increase.

If resistance in the discharge line is not sufficient the pump will operate at a condition of maximum flow, also sometimes called "end of performance curve." Maximum horse-power is required to operate at this point and motor overload may result. If excessive amp draw and motor overload is re-curring, reduce the system flow by installing a valve or orifice in the discharge line and restrict flow. Alternatively, reduce pump head by trimming impeller to a smaller diameter.

Consult local Price Pump distributor for assistance.

1. Pump fails to build pressure:

Check for:

- a. Pump not primed.
- b. Incorrect rotation.
- c. Driver speed too low.
- d. Suction line restricted.
- e. Driver failure.
- f. Plugged or damaged impeller.
- g. Pump or impeller undersized.
- h. Pump cavitation.
- i. Improper impeller clearance.

2. Pump fails to provide enough flow.

Check for:

- a. System resistance too high.
- b. Pump undersized.
- c. Pump not primed.
- d. Driver speed too low.
- e. Poor suction conditions.
- f. Improper impeller clearance.

3. Excessive noise or vibration during operation.

Check for:

- a. Motor bearing failing.
- b. Pump cavitating.
- c. Improper impeller clearance.

4. Pump gradually loses pressure and head.

Check for:

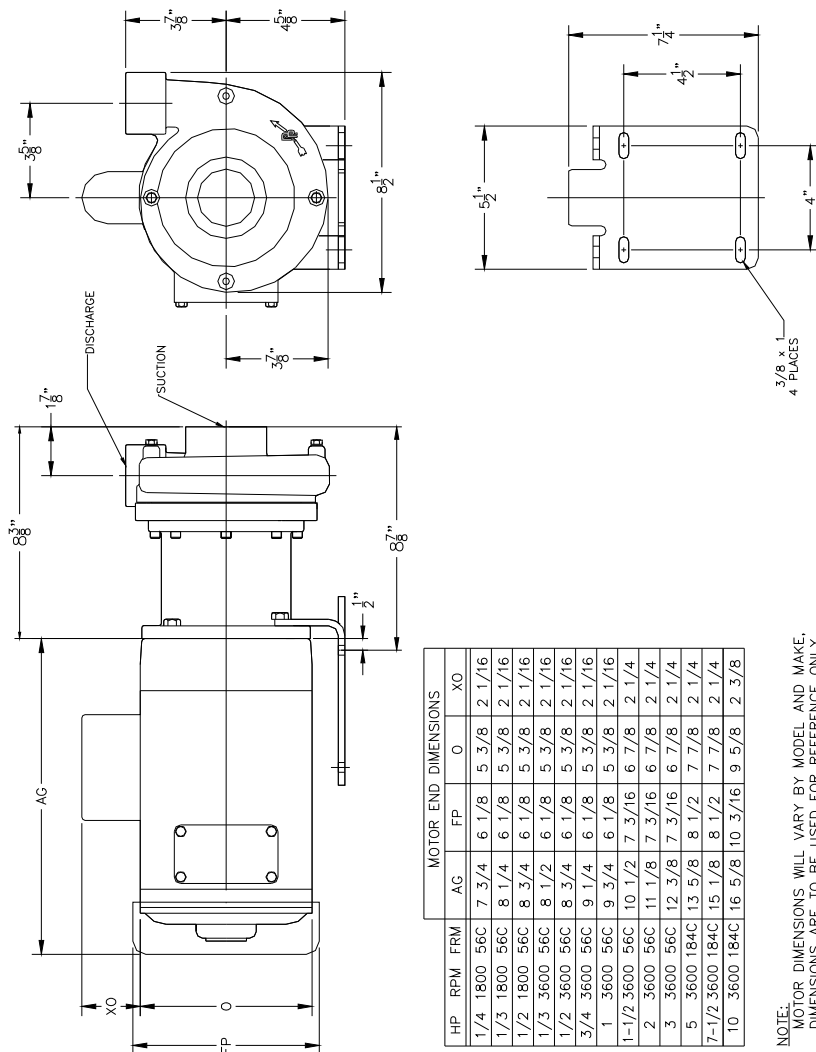
- a. Increasing temperature causing cavitation or liquid vaporization.
- b. Driver failure.
- c. Suction lift too high.
- d. Air entering suction line.

5. Motor/pump overheating.

Check for:

- a. Excessive flow and amp draw (Throttle discharge).
- b. Low voltage or frequency.
- c. Flow too low with resulting heat rise.
- d. Bearing failure.
- e. System temperature too high.

TYPE CL150 MAG-DRIVE OUTLINE DRAWING



HP	RPM	MOTOR END DIMENSIONS				
		FRM	AG	FP	O	XO
1/4	1800	56C	7 3/4	6 1/8	5 3/8	2 1/16
1/3	1800	56C	8 1/4	6 1/8	5 3/8	2 1/16
1/2	1800	56C	8 3/4	6 1/8	5 3/8	2 1/16
1/3	3600	56C	8 1/2	6 1/8	5 3/8	2 1/16
1/2	3600	56C	8 3/4	6 1/8	5 3/8	2 1/16
3/4	3600	56C	9 1/4	6 1/8	5 3/8	2 1/16
1	3600	56C	9 3/4	6 1/8	5 3/8	2 1/16
1-1/2	3600	56C	10 1/2	7 3/16	6 7/8	2 1/4
2	3600	56C	11 1/8	7 3/16	6 7/8	2 1/4
3	3600	56C	12 3/8	7 3/16	6 7/8	2 1/4
5	3600	184C	13 5/8	8 1/2	7 7/8	2 1/4
7-1/2	3600	184C	15 1/8	8 1/2	7 7/8	2 1/4
10	3600	184C	16 5/8	10 3/16	9 5/8	2 3/8

NOTE: MOTOR DIMENSIONS WILL VARY BY MODEL AND MAKE. DIMENSIONS ARE TO BE USED FOR REFERENCE ONLY. ALL DIMENSIONS HAVE BEEN ROUNDED TO THE NEAREST 1/8"

TYPE CL150 MAG-DRIVE MAINTENANCE AND REPAIR

Before attempting any repairs under warranty, contact Distributor to obtain factory authorization. Repairs carried out without authorization may void warranty. Many causes of pump system failure are due to improper system design. Refer to the troubleshooting list in this manual before carrying out pump inspection.

DISASSEMBLY

1. Disconnect power source from motor.
2. Disconnect electrical connections, tagging wires carefully to preserve correct rotation. Loosen pump base.
3. Remove pump and motor assembly to repair area. Observe position of all parts prior to disassembly.
4. Remove magnet drive housing (U) from motor and outboard magnet assembly by removing 4 each of 3/8 x 16 motor bolts (V & W).
5. Remove drive housing (U) from the pump end by removing eight Allen head 1/4-20 x 7/8" bolts (O).
6. Lift off magnet cup (P) which covers driven magnet assembly (S).
7. Remove magnet cup O-ring (R) from back of separator plate (H). Remove six Allen head 1/4 - 20 x 7/8" bolts (P) which secure separator plate to pump volute (A).
8. Lift separator plate (H) away from pump volute by holding down pump discharge and lifting on magnet assembly (S).
9. Remove volute O-ring (Q).
10. Remove impeller lock-down hex bolt (1/4-28 x 3/4") (D), vibration washer (I), and lockdown washer (E).
11. Slide impeller (C) off shaft remove shaft key (G), and thrust washer (N). Note: Hex shaft version will not have shaft keys.
12. Slide magnet (S) and shaft assembly out of the bushings. Remove hex bolt (D) (1/4-28 x 3/4"), vibration washer (I), and flat washer (E) which secure magnet assembly to shaft.
13. Remove shaft (F) and thrust washer (N) from magnet assembly.
14. Loosen the three setscrews (L) which secure the Bushing sleeve (J) into the separator plate using 1/8" Allen wrench. Remove the bushing assembly.
15. Pull bushings (M) from bushing sleeve (J). Remove bushing key.
16. To remove the driver magnet (Y) loosen the two setscrews (Z) holding the magnet to the motor shaft. With the setscrews loosened, the magnet should now

slide off the motor shaft. Check the setscrews (Z) and motor shaft key (AA) for wear and replace if necessary.

REASSEMBLY

1. Insert motor shaft key (AA) into the motor shaft and slide the driver magnet (Y) onto the motor shaft. Note: 5/8" bored driver magnets will bottom out on the motor shaft, while the 7/8" bored driver magnets will need to be set back on the motor shaft until the shaft end is flush with the inside face of the driver magnet.
2. Once the driver magnet (Y) is set on the motor shaft, tighten the driver magnet down on the shaft with the two set screws (Z).
3. Insert bushing key (K) into keyway on bushing sleeve. Press bushings into bushing sleeve making sure to align keyway.
4. Press bushing sleeve (J) into magnet separator plate (H). Lightly tighten one of the setscrews (L) in the magnet separator plate (H). This will hold the bushing sleeve in place

- during assembly. Set this assembly aside.
- Install one thrust washer (N) onto pump shaft end with the smaller flat section, fitting the matching "D" flat. Now slide the driven (internal) magnet (S) onto the shaft, remembering to install shaft key (G) into the shaft keyway, only on keyed shaft. Dab the threads of the magnet lockdown hex bolt (1/4-28 x 3/4") (D) with Teflon Loctite. Then insert the bolt, vibration washer (I), and flat washer (E) into the end of the shaft to secure the magnet. Do not overtighten.
 - Slide shaft and magnet assembly into the bushing and separator plate assembly and lay entire assembly on the magnet so the shaft is protruding out the top.
 - Place the front thrust washer (N) on the shaft making sure to align the D-drive flats.
 - Slide the impeller (C) onto the shaft (F) and insert the shaft key (G), only on keyed version.
 - Dab the threads of the impeller lockdown hex bolt (1/4-28 x 3/4") (D) with Teflon Loctite. Then insert the bolt, vibration washer (I), and flat washer (E) into the front end of the shaft and tighten both the impeller and magnet lockdowns to 6-10 ft/lbs by grasping the magnet. Do not grasp the

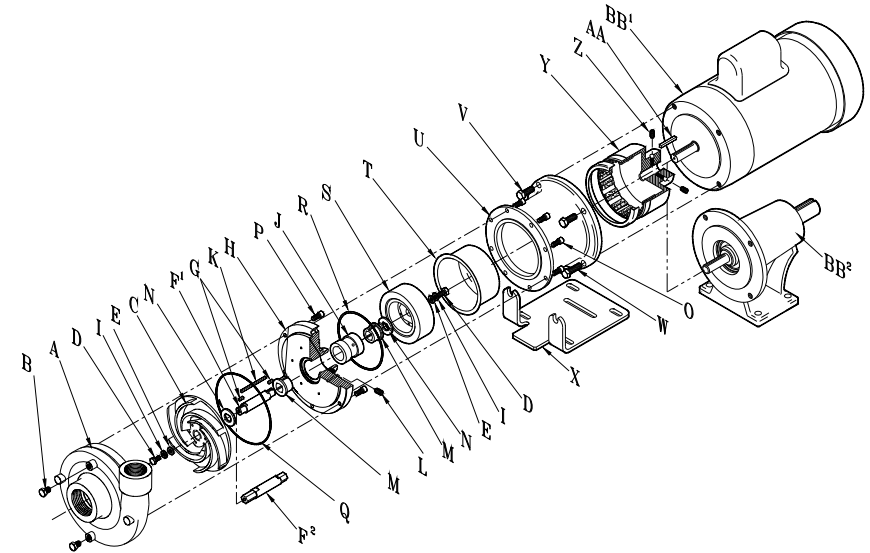
- impeller! The edges are sharp!
- Loosen the setscrew (L) that is securing the bushing sleeve. The bushing sleeve should now move freely.
 - Lubricate the large O-ring (Q) with silicone grease and place it over the front of the magnet separator plate (H). It will rest just inside the boltholes.
 - Place volute on a flat surface, suction side down with the discharge at 12 o'clock. Then set the separator plate assembly inside of the volute, impeller side down and rotated such that the flush hole is at 6 o'clock (This is the highest-pressure region in the volute and will provide the highest pressure for flushing the back magnet cavity.) Align the boltholes and squeeze the two plates together with your hands, making sure they press together evenly.
 - Install the six Allen head volute bolts (P) (1/4-20 x 7/8") in the counter sunk holes of the separator plate (H). Tighten to 6 - 10 ft/lbs using a crossing pattern.
 - Pull the magnet/impeller assembly back from the volute to remove play from the assembly. Insert a 0.025" angled feeler gauge into the pump suction between the top of the impeller vane and the internal volute face. Push the

- magnet/impeller assembly forward until the top of the vane contacts the feeler gage, pinning it in place.
- Tighten one of the setscrews (L) in the magnet separator plate (H). Rotate the magnet and impeller assembly and listen for contact (scraping sound). If contact occurs, loosen setscrew (L) and reset impeller again as described in steps 14. Tighten all three setscrews after setting impeller clearance.
 - Lubricate the magnet cup O-ring (R) with silicon grease and install the O-ring into counterbase at rear of separator plate (H).
 - Place the magnet cup over the magnet making sure that it seats against the magnet cup O-ring and that it is positioned in the groove of the separator plate. It must fit inside the register groove on the back of the separator plate.
 - Install the drive housing (U) onto the pump end and affix it with eight Allen head 1/4-20 x 7/8" bolts. Tighten Allen bolts to 6 - 10 ft/lbs in a crossing pattern.
 - Secure motor to drive housing with motor bolts (V).
- Note: Be sure to pad the motor flange when installing pump head housing. This will prevent impact damage when the magnets engage.

CL150 PARTS LIST

Effective April 7th 2009

CLMAGplst.doc
Rev. A



Description	P/N	Description	P/N
A. Volute	3503-O	N. Thrust Washer (2 req.)	
B. Pipe Plug (2 req.)	0559	Ceramic (Std)	3700
C. Impeller, Keyed (0-7.5 HP)	3502MD-5.76	Silicon Carbide (Opt)	3629
C. Impeller, Hex (10-15 HP)	3953-5.76	O. Drive Housing Bolts (8 req.)	2466
D. Lockdown Bolt (2 req.)	0596	P. Volute Bolts (6 req.)	51-640-SS
E. Lockdown Washer (2 req.)	2423	Q. Volute O ring (Viton std)	0865
F¹. Shaft 316 SS (Std)	3695	R. Magnet Cup O ring (Viton std)	2465
For carbon/ceramic bushings		S1. Driven Magnet (0-10 HP)	3627
Shaft Tungsten Coated (Opt)		S2. Driven Magnet (10-15 HP)	3634
For silicon carbide bushings	3695-30	T. Magnet Cup	2454
F². Shaft, Hex, 316SS (Std)	3941	U. Drive Housing	3626
For carbon/ceramic bushings		V. Motor Bolts (Top) (2req.)	0579
Shaft, Hex, Tungsten Coated (Std)	3941-30	W. Motor Bolts (Bottom) (2 req.)	3083
For silicon carbide bushings		X. Base Plate	8017
G. Shaft Key (2 req.)	2424	Y. Drive Magnet 5/8" Bore (0-7.5 HP)	2471
For Keyed Design		Drive Magnet 7/8" Bore (0-7.5 HP)	2471-1
H. Separator Plate	3943	Drive Magnet 7/8" Bore, HEX (10-15 HP)	2477
I. Vibration Washer (2 req.)	2344	Z. Setscrew (2 req.)	2452
J. Bushing Sleeve	3697	AA. Motor Shaft Key	2472
K. Bushing Key	2464	BB¹. Electric Motor	Specify P/N
L. Setscrew (2 req.)	2452	BB². Power Frame (5/8" Shaft)	5478
M. Thrust Bushing (2 req.)		Power Frame (7/8" Shaft)	5501
Carbon (std)	3699		
Silicon Carbide (Opt)	3630		