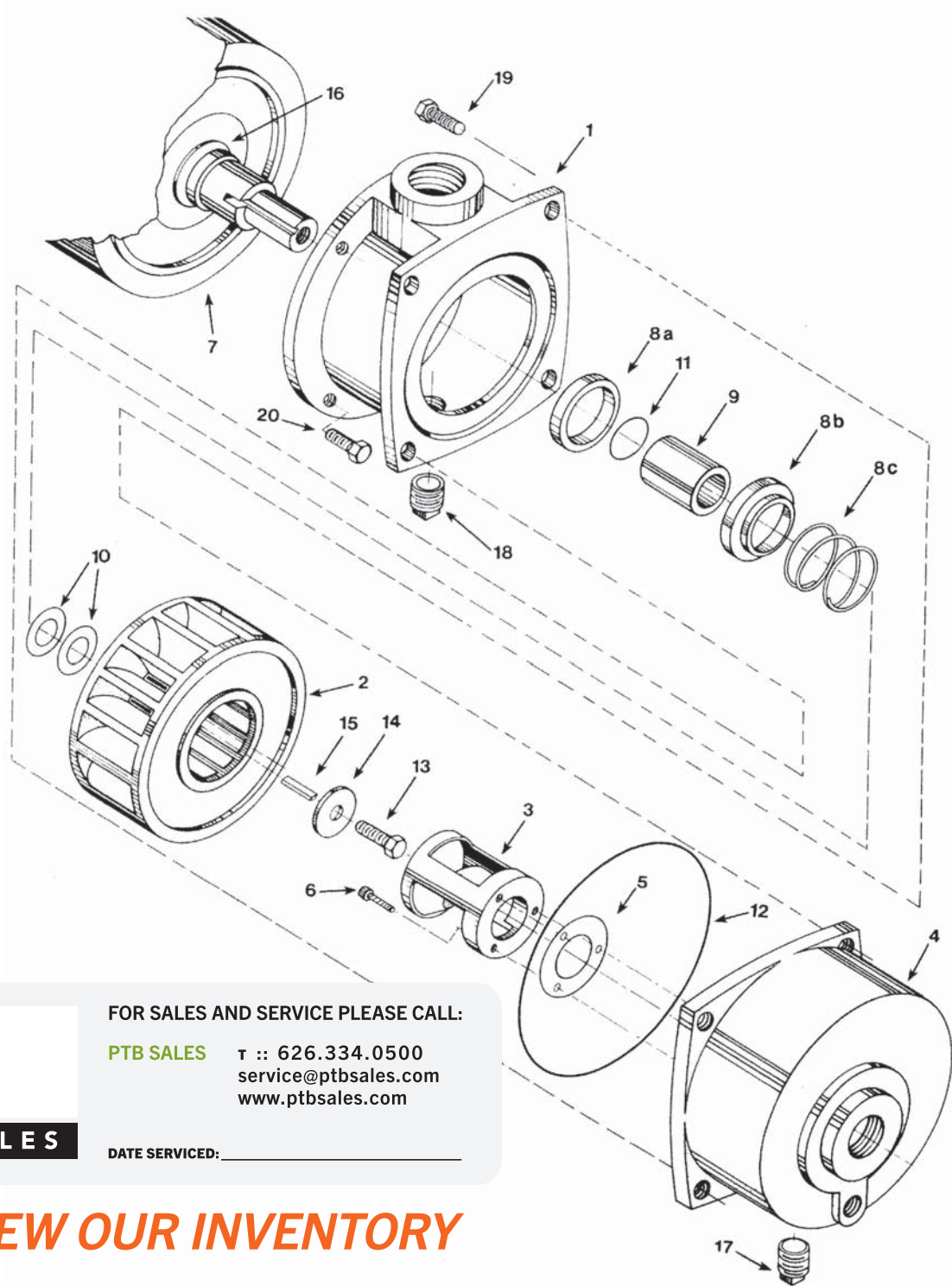


ASSEMBLY DRAWINGS

Close-Coupled Pump Exploded View Drawing



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PARTS LISTS – CLOSE-COUPLED MODELS

ITEM NO.	PART DESCRIPTION	QTY
1	Casing	1
2	Rotor	1
3	Port Cylinder	1
4	Cover	1
5	Gasket	1
6	Cap Screws	3
7	Motor	1
8	Mechanical Seal Assembly	1
8a	Seat	1
8b	Seal	1
8c	Spring	1
9	Shaft Sleeve	1
10	Shim	3
11	O-Ring, Shaft	1
12	O-Ring, Cover	1
13	Lock Bolt	1
14	Washer	1
15	Key	1
16	Slinger	1
17	Drain Plug, Cover	1
18	Drain Plug, Casing	1
19	Cover Bolts, Hex Head	**
19a	Cover Bolts, Socket Head	**
20	Casing Bolts	**
20a	Casing Studs	**
20b	Casing Nuts	**

ITEM NO.	A5 – A20	A75 – A130	A200 – A300
19	4	4	6
19a	–	2	–
20	4	–	–
20a	–	4	4
20b	–	4	4



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ITEM NO.	PART DESCRIPTION	QTY
3	Port Cylinder	1
5	Gasket	1
8	Mechanical Seal Assembly	1
10	Shim	3
11	O-Ring, Shaft	1
12	O-Ring, Cover	1
13	Lock Bolt	1

Service Parts can be ordered from our factory in Springfield, Missouri, USA for immediate shipment. All parts for A-Series pumps are made in USA.

We are happy to assist you with any questions that may arise and to provide advice on applications for your A-Series pump. Please do not hesitate to contact us.

Contact

Parts Department

Tuthill Vacuum & Blower Systems
 4840 W. Kearney Street
 Springfield, MO 65803

Telephone: 417-865-8715
 Toll-free: 800-825-6937
 Fax: 417-865-2950

www.tuthillvacuumblower.com



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WARRANTY – VACUUM PRODUCTS

Subject to the terms and conditions hereinafter set forth and set forth in General Terms of Sale, Tuthill Vacuum & Blower Systems (the Seller) warrants products and parts of its manufacture, when shipped, and its work (including installation and start-up) when performed, will be of good quality and will be free from defects in material and workmanship. This warranty applies only to Seller's equipment, under use and service in accordance with Seller's written instructions, recommendations and ratings for installation, operating, maintenance and service of products, for a period as stated in the table below. Because of varying conditions of installation and operation, all guarantees of performance are subject to plus or minus 5% variation. (Non-standard materials are subject to a plus or minus 10% variation).

PRODUCT TYPE	WARRANTY DURATION
New (Non-Piston Pumps)	15 months after date of shipment or 12 months after initial startup date, whichever occurs first
New (Piston Pumps)	30 months after date of shipment, on all units sold after June 1, 2014.
Repair	6 months after date of shipment or remaining warranty period, whichever is greater
Remanufactured	9 months after date of shipment or 6 months after initial startup date, whichever occurs first

THIS WARRANTY EXTENDS ONLY TO BUYER AND/OR ORIGINAL END USER, AND IN NO EVENT SHALL THE SELLER BE LIABLE FOR PROPERTY DAMAGE SUSTAINED BY A PERSON DESIGNATED BY THE LAW OF ANY JURISDICTION AS A THIRD PARTY BENEFICIARY OF THIS WARRANTY OR ANY OTHER WARRANTY HELD TO SURVIVE SELLER'S DISCLAIMER.

All accessories furnished by Seller but manufactured by others bear only that manufacturer's standard warranty.

All claims for defective products, parts, or work under this warranty must be made in writing immediately upon discovery and, in any event within one (1) year from date of shipment of the applicable item and all claims for defective work must be made in writing immediately upon discovery and in any event within one (1) year from date of completion thereof by Seller. Unless done with prior written consent of Seller, any repairs, alterations or disassembly of Seller's equipment shall void warranty. Installation and transportation costs are not included and defective items must be held for Seller's inspection and returned to Seller's Ex-works point upon request.

THERE ARE NO WARRANTIES, EXPRESSED, IMPLIED OR STATUTORY WHICH EXTEND BEYOND THE DESCRIPTION ON THE FACE HEREOF, INCLUDING WITHOUT LIMITATION, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS OF PURPOSE.

After Buyer's submission of a claim as provided above and its approval, Seller shall at its option either repair or replace its product, part, or work at the original Ex-works point of shipment, or refund an equitable portion of the purchase price.

The products and parts sold hereunder are not warranted for operation with erosive or corrosive material or those which may lead to build up of material within the product supplied, nor those which are incompatible with the materials of construction. The Buyer shall have no claim whatsoever and no product or part shall be deemed to be defective by reason of failure to resist erosive or corrosive action nor for problems resulting from build-up of material within the unit nor for problems due to incompatibility with the materials of construction.

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ts not approved by Seller, or any alteration or repair by materially and adversely shall void this warranty.

se Company is authorized to change this warranty in any the Company must be in writing.

or breach of warranty, and except for gross negligence, of Sale in the sections on CONTRACT PERFORMANCE,

INSPECTION AND ACCEPTANCE and the PATENT'S Clause hereof, the foregoing is BUYER'S ONLY REMEDY HEREUNDER BY WAY OF BREACH OF CONTRACT, TORT OR OTHERWISE, WITHOUT REGARD TO WHETHER ANY DEFECT WAS DISCOVERED OR ATTENDED AT THE TIME OF DELIVERY OF THE PRODUCT OR WORK. In no event shall Buyer be entitled to incidental or consequential damages. Any action for breach of this agreement must commence within one (1) year after the cause of action has occurred.

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OPERATING DATA FORM / PRODUCT REGISTRATION

It is to the user's advantage to have the requested data filled in below and available in the event a problem should develop in the blower or the system. This information is also helpful when ordering spare parts.

Model No.	_____	V-Belt Size	_____	Length	_____
Serial No.	_____	Type of Lubrication	_____		
Start-up Date	_____				
Pump RPM	_____	Operating Vacuum	_____		
Pump Sheave Diameter	_____	Any Other Special Accessories Supplied or in Use:			
Motor Sheave Diameter	_____				
Motor RPM	_____	HP	_____		

NOTES:

IMPORTANT

All blowers manufactured by Tuthill Vacuum & Blower Systems are date-coded at time of shipment. In order to assure you of the full benefits of the product warranty, please complete, tear out and return the product registration card, or register online at tuthillvacuumblower.com.



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Technical Support: 1-877-955-TECH (8324)

Service & Repair or Product Sales:



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