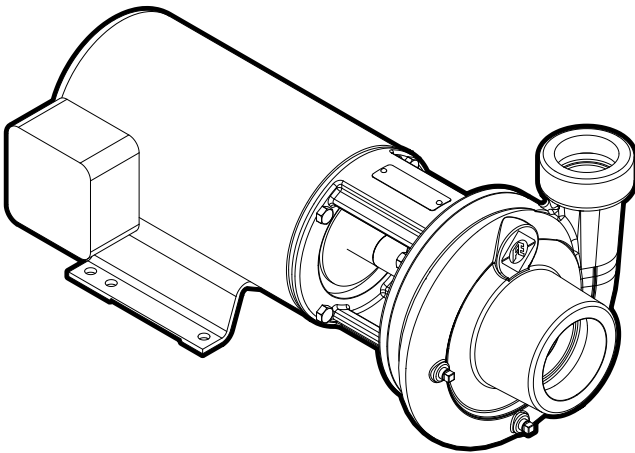


Close-Coupled 8"

BOOK: CCI-015
DATE: Mar. 1, 2012



Specifications:

Capacities: to 375 gpm

Heads: to 300 feet

Working Pressure: 150 psi

Temperature: maximum 212 °F

Rotation: clockwise viewed from motor end

Pipe Connections: NPT

Discharge	Suction
1-1/2"	2"
2"	3"

Features:

- **Volute:** Heavy cast iron construction, back pullout design. Can be rotated for ease of installation.
- **Impeller:** Cast bronze enclosed design for high efficiency.
- **Seal:** Packed box with lantern ring or mechanical seal with carbon/ceramic faces, BUNA elastomers and 300 series stainless components.
- **Motor:** 3600 rpm standard JP frame motors available in ODP or TEFC enclosures.
- **Mounting:** Can be mounted in vertical or horizontal position.

Maintenance Features:

- Replaceable shaft sleeve

Applications:

- Booster Service
- Jockey Pumps
- Liquid Transfer
- Spray Systems
- General Service
- Water Circulation

Close-Coupled 8"

Dimensional Drawings:

FIGURE 1
1-1/2 x 2 - 8

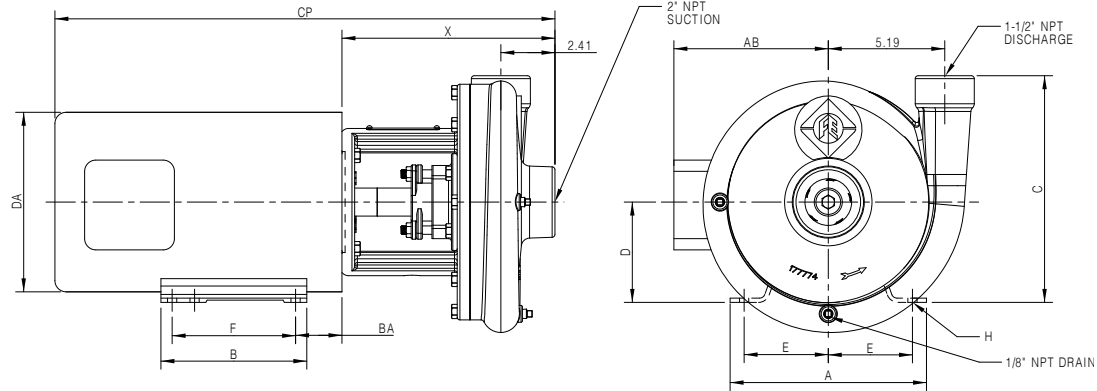
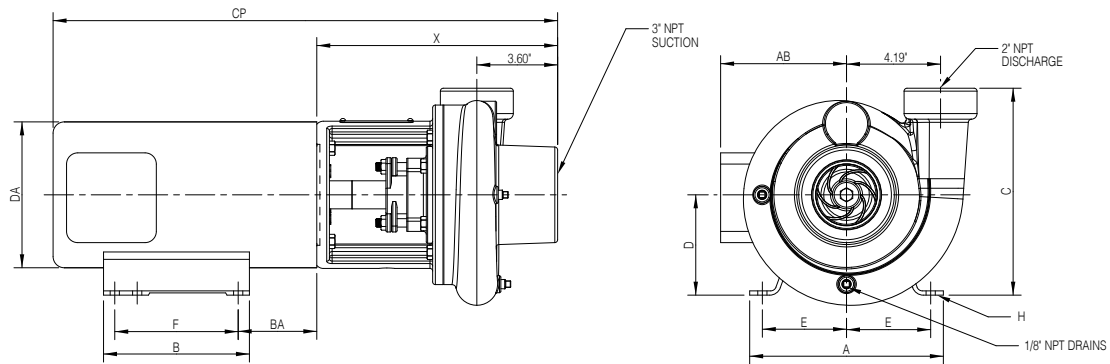


FIGURE 2
2 x 3 - 8



Dimensions:

HP	Fig.	Ph.	Impeller Trim	A	B	C	CP	D	E	F	H	AB	BA	DA	X
3	1	1	5.06	8.63	6.50	10.10	21.74	4.47	3.75	5.50	0.41	6.75	3.50	7.94	9.49
	1	3	5.06	6.70	5.90	9.13	19.00	3.50	2.75	5.00	0.34	6.50	.82	6.51	9.49
5	1	1	5.81	8.75	6.50	10.10	20.23	4.47	3.75	5.50	0.41	6.88	2.06	8.00	9.49
	1	3	5.81	8.63	6.50	10.10	20.87	4.47	3.75	5.50	0.41	5.61	3.50	6.50	9.49
7-1/2	1	1	6.63	9.50	8.00	10.88	24.20	5.25	4.25	7.00	0.41	7.93	4.50	9.56	10.26
	1	3	6.63	8.75	6.50	10.10	21.74	4.47	3.75	5.50	0.41	6.88	2.06	8.00	9.49
10	1	1	7.31	9.50	8.00	10.88	25.82	5.25	4.25	7.00	0.41	7.93	4.50	9.56	10.26
	1	3	7.31	9.50	8.00	10.88	25.32	5.25	4.25	7.00	0.41	7.46	4.25	9.56	10.26
15	1	3	8.83	9.50	8.00	10.88	23.07	5.25	4.25	7.00	0.43	7.93	4.50	9.56	10.26
3	2	1	4.50	8.63	6.50	9.22	22.98	4.47	3.75	5.50	0.41	6.75	3.50	7.94	10.73
	2	3	4.50	6.70	5.90	8.25	20.24	3.50	2.75	5.00	0.34	6.50	.82	6.51	10.73
5	2	1	5.13	8.75	6.50	9.22	21.47	4.47	3.75	5.50	0.41	6.88	2.06	8.00	10.73
	2	3	5.13	8.63	6.50	9.22	22.11	4.47	3.75	5.50	0.41	5.61	3.50	6.50	10.73
7-1/2	2	1	5.18	9.50	8.00	10.00	26.53	5.25	4.25	7.00	0.41	7.93	4.50	9.56	11.69
	2	3	5.18	8.75	6.50	9.22	22.98	4.47	3.75	5.50	0.41	6.88	2.06	8.00	10.73
10	2	1	6.44	9.50	8.00	10.00	26.75	5.25	4.25	7.00	0.41	7.93	4.50	9.56	11.69
	2	3	6.44	9.50	8.00	10.00	24.50	5.25	4.25	7.00	0.41	7.46	4.25	9.56	11.69
15	2	3	7.25	9.50	8.00	13.00	27.48	5.25	4.25	7.00	0.43	7.93	4.50	9.56	11.92
20	2	3	7.94	11.25	11.25	14.00	29.85	6.25	5.00	10.00	0.53	9.49	4.75	11.44	11.92

Note: Dimensions are for estimating purposes only.

Close-Coupled 8"

Ordering Information:

8" Nominal Impeller Diameter - Close-Coupled									
Pump Size (Dis x Suc - Imp)	HP-RPM	PH	Sealing	ODP			TEFC		
				Order No.	Model Description	Wt.	Order No.	Model Description	Wt.
1-1/2 x 2 - 8	3-3600	1	Packing	93180160	3DC1.5-CCPFAG	129	93181160	3DC1.5-CTPFAG	135
	5-3600	1	Packing	93180180	5DC1.5-CCPFJB	149	93181180	5DC1.5-CTPFJB	156
	7.5-3600	1	Packing	93180200	75DC1.5-CCPGGD	169	93181200	75DC1.5-CTPGGD	177
	10-3600	1	Packing	93180220	10DC1.5-CCPHDB	197	93181220	10DC1.5-CTPHDB	207
	3-3600	3	Packing	93180170	3DC1.5-CCPFAG	124	93181170	3DC1.5-CTPFAG	130
	5-3600	3	Packing	93180190	5DC1.5-CCPFJB	129	93181190	5DC1.5-CTPFJB	135
	7.5-3600	3	Packing	93180210	75DC1.5-CCPGGD	139	93181210	75DC1.5-CTPGGD	146
	10-3600	3	Packing	93180230	10DC1.5-CCPHDB	178	93181230	10DC1.5-CTPHDB	187
	15-3600	3	Packing	93180240	15DC1.5-CCPJJD	182	93181240	15DC1.5-CTPJJD	191
	3-3600	1	Mech. Seal	93190161	3DC1.5-CCMFAG	129	93191161	3DC1.5-CTMFAG	135
	5-3600	1	Mech. Seal	93190181	5DC1.5-CCMFJB	149	93191181	5DC1.5-CTMFJB	156
	7.5-3600	1	Mech. Seal	93190201	75DC1.5-CCMGGD	169	93191201	75DC1.5-CTMGGD	177
	10-3600	1	Mech. Seal	93190221	10DC1.5-CCMHDB	197	93191221	10DC1.5-CTMHDB	207
	3-3600	3	Mech. Seal	93190171	3DC1.5-CCMFAG	124	93191171	3DC1.5-CTMFAG	130
	5-3600	3	Mech. Seal	93190191	5DC1.5-CCMFJB	129	93191191	5DC1.5-CTMFJB	135
	7.5-3600	3	Mech. Seal	93190211	75DC1.5-CCMGGD	139	93191211	75DC1.5-CTMGGD	146
	10-3600	3	Mech. Seal	93190231	10DC1.5-CCMHDB	178	93191231	10DC1.5-CTMHDB	187
	15-3600	3	Mech. Seal	93190241	15DC1.5-CCMJJD	182	93191241	15DC1.5-CTMJJD	191
2 x 3 - 8	3-3600	1	Packing	93180244	3DB2-CCPEFA	89	93181244	3DB2-CTPEFA	93
	5-3600	1	Packing	93180250	5DB2-CCPFBD	128	93181250	5DB2-CTPFBD	134
	7.5-3600	1	Packing	93180270	75DB2-CCPFJB	159	93181270	75DB2-CTPFJB	167
	10-3600	1	Packing	93180290	10DB2-CCPGEE	180	93181290	10DB2-CTPGEE	189
	3-3600	3	Packing	93180246	3DB2-CCPEFA	81	93181246	3DB2-CTPEFA	85
	5-3600	3	Packing	93180260	5DB2-CCPFBD	119	93181260	5DB2-CTPFBD	125
	7.5-3600	3	Packing	93180280	75DB2-CCPFJB	125	93181280	75DB2-CTPFJB	131
	10-3600	3	Packing	93180300	10DB2-CCPGEE	155	93181300	10DB2-CTPGEE	163
	15-3600	3	Packing	93180310	15DB2-CCPHCF	219	93181310	15DB2-CTPHCF	230
	20-3600	3	Packing	93180320	20DB2-CCPHKE	252	93181320	20DB2-CTPHKE	265
	3-3600	1	Mech. Seal	93190245	3DB2-CCMEFA	89	93191245	3DB2-CTMEFA	93
	5-3600	1	Mech. Seal	93190251	5DB2-CCMFBD	128	93191251	5DB2-CTMFBD	134
	7.5-3600	1	Mech. Seal	93190271	75DB2-CCMFJB	159	93191271	75DB2-CTMFJB	167
	10-3600	1	Mech. Seal	93190291	10DB2-CCMGEE	180	93191291	10DB2-CTMGEE	189
	3-3600	3	Mech. Seal	93190247	3DB2-CCMEFA	81	93191247	3DB2-CTMEFA	85
	5-3600	3	Mech. Seal	93190261	5DB2-CCMFBD	119	93191261	5DB2-CTMFBD	125
	7.5-3600	3	Mech. Seal	93190281	75DB2-CCMFJB	125	93191281	75DB2-CTMFJB	131
	10-3600	3	Mech. Seal	93190301	10DB2-CCMGEE	155	93191301	10DB2-CTMGEE	163
	15-3600	3	Mech. Seal	93190311	15DB2-CCMHCF	219	93191311	15DB2-CTMHCF	230
	20-3600	3	Mech. Seal	93190321	20DB2-CCMHKE	252	93191321	20DB2-CTMHKE	265

Notes: There will be an impeller trimming charge applied for any non-standard impeller trim.
Consult price sheets for list price adders. All dimensions in inches. All weight in pounds.

Impeller Trim:

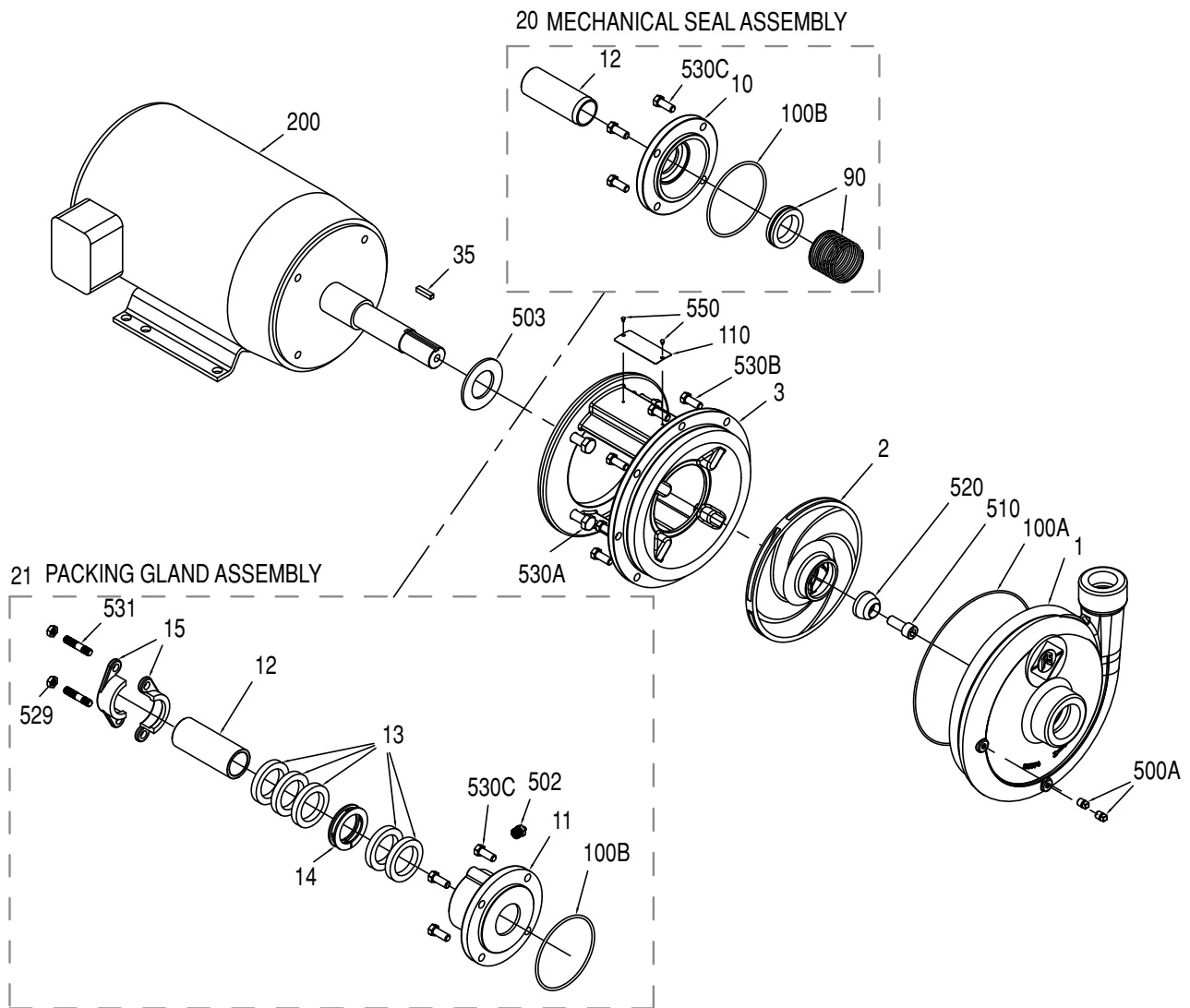
Impeller trim diameter designated by the last three digits of the model description.

Example: 15XS4313-CCMLBD = 10.13" trim

A	0	D	3	G	6	K	9	N	12
B	1	E	4	H	7	L	10	P	13
C	2	F	5	J	8	M	11	Q	14

Close-Coupled 8" 1.5 x 2 - 8

Exploded Parts Drawing:



Close-Coupled 8" 1.5 x 2 - 8

Materials and Parts:

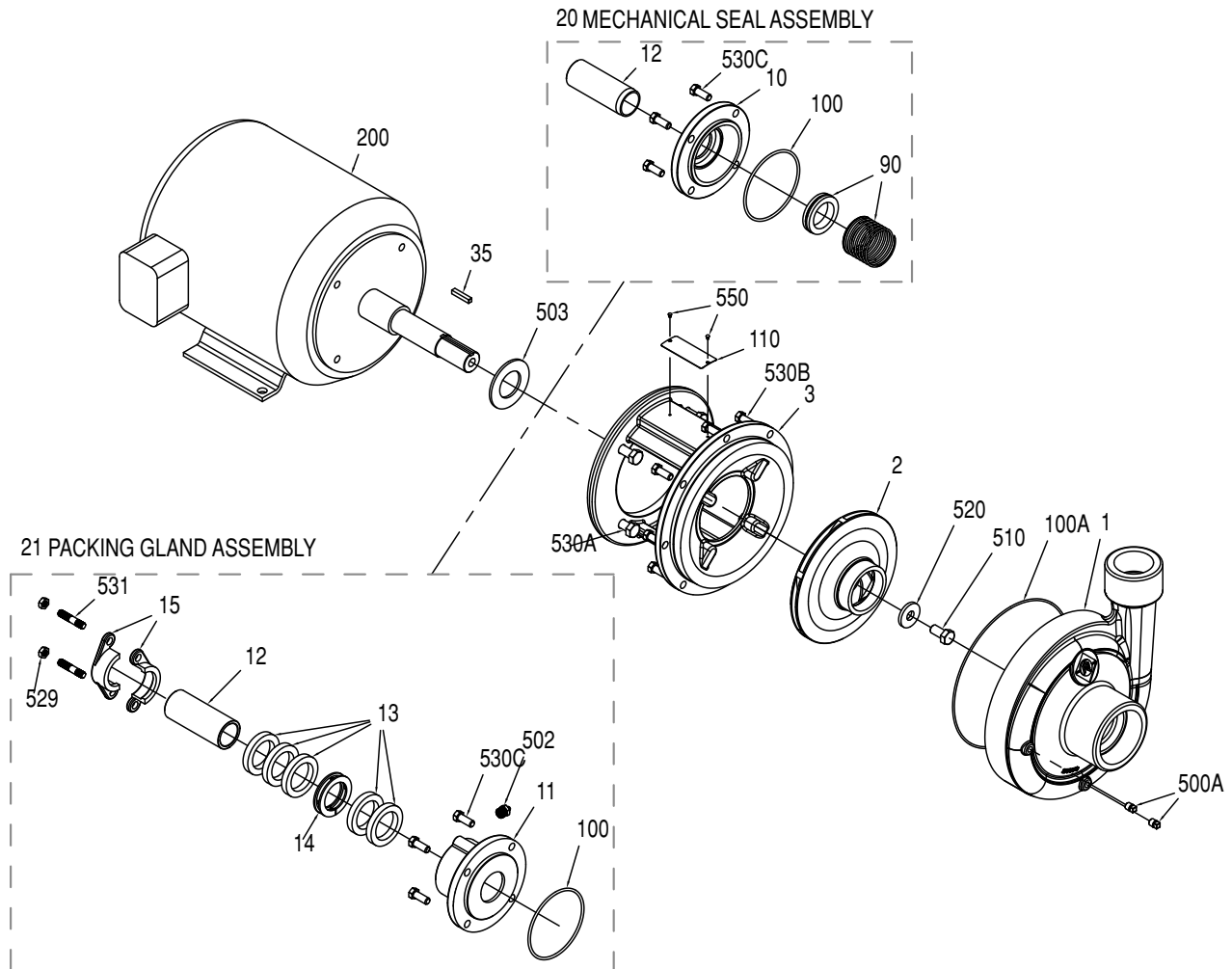
Fig. No.	Part Description	Part No.		Materials of Construction
		4.5AK* Models	8.5AK* Models	
1	Volute Case (NPT) w/plugs	305449001		Cast Iron, ASTM-A48 CL30
2	3 hp Impeller Trim 5.06" (.875 bore)	305449007	n/a	Silicon Brass, ASTM B584
2	5 hp Impeller Trim 5.81" (.875 bore)	305449008	n/a	Silicon Brass, ASTM B584
2	7-1/2 hp Impeller Trim 6.63" (.875 bore)	305449009	n/a	Silicon Brass, ASTM B584
2	7-1/2 hp Impeller Trim 6.63" (1.250 bore)	n/a	305449010	Silicon Brass, ASTM B584
2	10 hp Impeller Trim 7.31" (1.250 bore)	n/a	305449011	Silicon Brass, ASTM B584
2	15 hp Impeller Trim 8.38" (1.250 bore)	n/a	305449012	Silicon Brass, ASTM B584
3	Motor Bracket	305449002	305449003	Cast Iron, ASTM-A48 CL30
10	Mechanical Seal Box	305447003	305448004	Cast Iron, ASTM-A48 CL30
11	Packing Seal Box	305447004	305448005	Cast Iron, ASTM-A48 CL30
12	Mechanical Seal/Packing Shaft Sleeve	305448006	n/a	416 Stainless Steel
12	Mechanical Seal Shaft Sleeve	n/a	305449004	416 Stainless Steel
12	Packing Shaft Sleeve	n/a	305449005	416 Stainless Steel
13	Packing Ring Set	305447006	305448009	Graphite/Cotton
14	Lantern Ring	n/a	305448010	PTFE
15	Packing Gland (2-Piece)	305447007	305448011	316 Stainless Steel
20	Mechanical Seal Assembly	305447012	305448019	Various
21	Packing Gland Assembly	305447013	305448020	Various
35	Impeller Shaft Key	305463001	305448012	301 Stainless Steel
90	Mechanical Shaft Seal	305463002	305463017	Carbon/Ceramic/Buna/316SS
100	Seal Box O-Ring (2-pack)	305463003	305463013	Nitrile
100A	Volute Case O-Ring (2-pack)	305463018		Nitrile
110/550	Nameplate FPS and Drive Screws	305463005		Stainless / Zinc Plated
200	See Motor Section			
500A	Pipe Plug (4-pack)	305463009		CAD Plated Steel
502	Grease Fitting (2-pack)	n/a	305463015	Zinc Plated Steel
503	Water Slinger	305447008		Neoprene
510	Impeller Hex Cap Screw	305463006	305463014	316 Stainless-Grade 5
520	Impeller Washer	305448013	305449006	300 Series Stainless Steel
529	Packing Gland Nut (4-pack)	305463007		Zinc Plated Steel
530A	Motor Bracket Hex Cap Screw	305463010	305463016	(12-pack) Zinc Plated Steel
530B	Volute Case Hex Cap Screw	305463010		
530C	Seal Box Bolts			
531	Packing Gland Stud (4-pack)	305463008		Zinc Plated Steel

Note: AK represents the pump to motor mounting register, 4.5AK=4-1/2"/8.5AK=8-1/2"/12.5AK=12-1/2"

AK Table				
HP	ODP		TEFC	
	1-ph	3-ph	1-ph	3-ph
3	4.5"	4.5"	4.5"	4.5"
5	4.5"	4.5"	4.5"	4.5"
7.5	8.5"	4.5"	8.5"	8.5"
10	8.5"	8.5"	8.5"	8.5"
15	N/A	8.5"	N/A	8.5"

Close-Coupled 8" 2 x 3 - 8

Exploded Parts Drawing:



Close-Coupled 8" 2 x 3 - 8

Materials and Parts:

Fig. No.	Part Description	Part No.		Materials of Construction
		4.5AK* Models	8.5AK* Models	
1	Volute Case 3 hp-10 hp (NPT) w/plugs	305450001		Cast Iron, ASTM-A48 CL30
1	Volute Case 15 hp-20 hp (NPT) w/plugs	n/a	305450002	Cast Iron, ASTM-A48 CL30
2	3 hp Impeller Trim 4.50" (.875 bore)	305450008	n/a	Silicon Brass, ASTM B584
2	5 hp Impeller Trim 5.13" (.875 bore)	305450009	n/a	Silicon Brass, ASTM B584
2	7-1/2 hp Impeller Trim5.81" (.875 bore)	305450010	n/a	Silicon Brass, ASTM B584
2	7-1/2 hp Impeller Trim 5.81" (1.250 bore)	n/a	305450011	Silicon Brass, ASTM B584
2	10 hp Impeller Trim 6.44" (1.250 bore)	n/a	305450012	Silicon Brass, ASTM B584
2	15 hp Impeller Trim 7.25" (1.250 bore)	n/a	305450013	Silicon Brass, ASTM B584
2	20 hp Impeller Trim 7.94" (1.250 bore)	n/a	305450014	Silicon Brass, ASTM B584
3	Motor Bracket	305447002	305448003	Cast Iron, ASTM-A48 CL30
3	Motor Bracket 15 hp-20 hp	n/a	305449003	Cast Iron, ASTM-A48 CL30
10	Mechanical Seal Box	305447003	305448004	Cast Iron, ASTM-A48 CL30
11	Packing Seal Box	305447004	305448005	Cast Iron, ASTM-A48 CL30
12	Mechanical Seal/Packing Shaft Sleeve	305448006	n/a	416 Stainless Steel
12	Mechanical Seal Shaft Sleeve	n/a	305450008	416 Stainless Steel
12	Mechanical Seal Shaft Sleeve 15 hp-20 hp	n/a	305449004	416 Stainless Steel
12	Packing Shaft Sleeve	n/a	305448007	416 Stainless Steel
12	Packing Shaft Sleeve 15 hp-20 hp	n/a	305449005	416 Stainless Steel
13	Packing Ring Set	305447006	305448009	Graphite/Cotton
14	Lantern Ring	n/a	305448010	PTFE
15	Packing Gland (2-Piece)	305447007	305448011	316 Stainless Steel
20	Mechanical Seal Assembly	305447012	305448019	Various
21	Packing Gland Assembly	305447013	305448020	Various
35	Impeller Shaft Key	305463001	305450005	301 Stainless Steel
35	Impeller Shaft Key 15 hp-20 hp	n/a	305450006	316 Stainless Steel
90	Mechanical Shaft Seal	305463002	305463012	Carbon/Ceramic/Buna/316SS
90	Mechanical Shaft Seal 15 hp-20 hp	n/a	305463017	Carbon/Ceramic/Buna/316SS
100	Seal Box O-Ring	305463003	305463013	Nitrile
100A	Volute Case O-Ring (3 hp-10 hp) 2-pack	305463004		Nitrile
100A	Volute Case O-Ring (15 hp-20 hp) 2-pack	305463018		Nitrile
110 /550	Nameplate FPS and Drive Screws	305463005		Stainless / Zinc Plated
200	See Motor Section			
500A	Pipe Plug (4-pack)	305463009		CAD Plated Steel
502	Grease Fitting (2-pack)	n/a	305463015	Zinc Plated Steel
503	Water Slinger	305450007	305447008	Neoprene
510	Impeller Hex Cap Screw	305463006	305463014	316 Stainless-Grade 5
510	Impeller Hex Cap Screw 15 hp-20 hp	n/a	305463019	316 Stainless-Grade 5
520	Impeller Washer	305448013	305449006	300 Series Stainless Steel
520	Impeller Washer 15 hp-20 hp	n/a	305450015	300 Series Stainless Steel
529	Packing Gland Nut (4-pack)	305463007		Zinc Plated Steel
530A	Motor Bracket Hex Cap Screw	305463010	305463016	(12-pack) Zinc Plated Steel
530B	Volute Case Hex Cap Screw	305463010		
530C	Seal Box Bolts			
531	Packing Gland Stud (4-pack)	305463008		Zinc Plated Steel

Note: AK represents the pump to motor mounting register, 4.5AK=4-1/2"/8.5AK=8-1/2"/12.5AK=12-1/2"

AK Table				
HP	ODP		TEFC	
	1-ph	3-ph	1-ph	3-ph
3	4.5"	4.5"	4.5"	4.5"
5	4.5"	4.5"	4.5"	4.5"
7.5	8.5"	4.5"	8.5"	8.5"
10	8.5"	8.5"	8.5"	8.5"
15	N/A	8.5"	N/A	8.5"
20	N/A	8.5"	N/A	8.5"

