

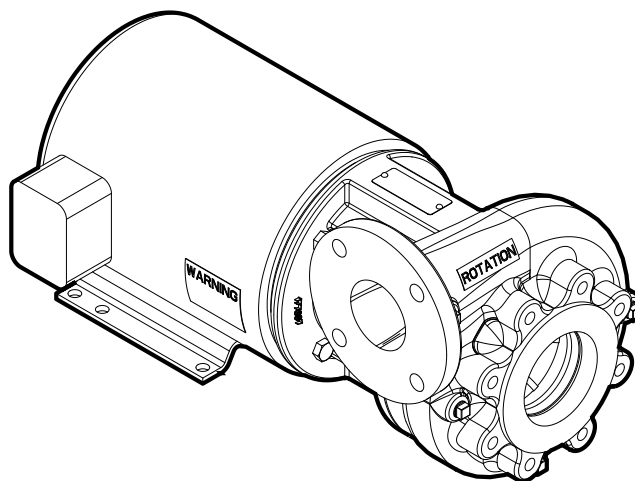
CENTRIFUGAL PUMPS

CLOSE-COUPLED 7.5"

FPS

FEATURES

- Volute: Ductile iron for heavy-duty service; back pullout design; can be rotated for ease of installation
- Impeller: Enclosed design for high efficiency; configured for superior NPSH characteristics; ductile iron construction; internally hydraulically balanced for reduced bearing load
- Seal: Packed box with lantern ring or mechanical seal with silicon carbide/silicon carbide; FKM elastomers
- Motor: 3600 rpm standard JP frame for applications up to 50 hp; greater than 50 hp requires custom shaft JP frame; ODP or TEFC motors available
- Mounting: Vertical or horizontal
- Replaceable shaft sleeve and bronze wear-rings
- Casing jack-out holes for ease of service
- Two-piece stainless steel packing gland



SPECIFICATIONS

- Capacities to 1,100 gpm
- Heads to 250 feet
- 350 psi maximum working pressure
- 212 °F maximum temperature
- Clockwise rotation when viewed from motor end
- Class 150 flanged pipe connections

Discharge	Suction
1-1/2"	3"
2"	3"
2-1/2"	4"
3"	4"
4"	4"
4"	5"

APPLICATIONS

- Irrigation
- Commercial
- Construction
- Municipal
- Mining
- Light Industrial

CENTRIFUGAL PUMPS

CLOSE-COUPLED 7.5"



ORDERING INFORMATION

Pump Size (Dis. x Suc. - Imp)	HP-RPM	PH	Sealing	ODP Models			TEFC Models		
				Order No.	Model Description	Wt. (lbs)	Order No.	Model Description	Wt. (lbs)
1.5 x 3 - 7.5	3-3600	1	Packing	50031575110	3HC31575-CCPFFA	-	-	-	195
	5-3600	1		50031575130	5HC31575-CCPGFA	-	-	-	205
	7.5-3600	1		50031575140	7HC31575-CCPHAA	-	-	-	215
	10-3600	1		50031575150	10HC31575-CCPHFA	-	-	-	248
	3-3600	3		10031575110	3HC31575-CCPFFA	-	-	-	195
	5-3600	3		10031575130	5HC31575-CCPGFA	-	-	-	205
	7.5-3600	3		10031575140	7HC31575-CCPHAA	-	-	-	215
	10-3600	3		10031575150	10HC31575-CCPHFA	-	-	-	248
	3-3600	1	Mechanical	51031575111	3HC31575-CCPFFA	-	-	-	195
	5-3600	1		51031575131	5HC31575-CCPGFA	-	-	-	205
	7.5-3600	1		51031575141	7HC31575-CCPHAA	-	-	-	215
	10-3600	1		51031575151	10HC31575-CCPHFA	-	-	-	248
	3-3600	3		11031575111	3HC31575-CCPFFA	-	-	-	195
	5-3600	3		11031575131	5HC31575-CCPGFA	-	-	-	205
	7.5-3600	3		11031575141	7HC31575-CCPHAA	-	-	-	215
	10-3600	3		11031575151	10HC31575-CCPHFA	-	-	-	248
2 x 3 - 7.5	3-3600	1	Packing	50030275100	3HC3275-CCPFAA	-	-	-	190
	5-3600	1		50030275110	5HC3275-CCPGFA	-	-	-	200
	7.5-3600	1		50030275130	7HC3275-CCPGFA	-	-	-	210
	10-3600	1		50030275140	10HC3275-CCPHAA	-	-	-	243
	3-3600	3		10030275100	3HC3275-CCPFAA	-	-	-	190
	5-3600	3		10030275110	5HC3275-CCPGFA	-	-	-	200
	7.5-3600	3		10030275130	7HC3275-CCPGFA	-	-	-	210
	10-3600	3		10030275140	10HC3275-CCPHAA	-	-	-	243
	15-3600	3	Mechanical	10030275150	15HC3275-CCPHFA	-	-	-	257
	3-3600	1		51030275101	3HC3275-CCMFAA	-	-	-	190
	5-3600	1		51030275111	5HC3275-CCMFAA	-	-	-	200
	7.5-3600	1		51030275131	7HC3275-CCMGFA	-	-	-	210
	10-3600	1		51030275141	10HC3275-CCMHAA	-	-	-	243
	3-3600	3		11030275101	3HC3275-CCMFAA	-	-	-	190
	5-3600	3		11030275111	5HC3275-CCMFAA	-	-	-	200
	7.5-3600	3		11030275131	7HC3275-CCMGFA	-	-	-	210
	10-3600	3		11030275141	10HC3275-CCMHAA	-	-	-	243
	15-3600	3		11030275151	15HC3275-CCMHFA	-	-	-	257
2.5 x 4 - 7.5	7.5-3600	1	Packing	50042575100	7HC42575-CCPFAA	225	38042575100	7HC42575-CTPFAA	225
	10-3600	1		50042575110	10HC42575-CCPFFA	258	38042575110	10HC42575-CTPFFA	258
	7.5-3600	3		10042575100	7HC42575-CCPFAA	235	32042575100	75HC42575-CTPFAA	237
	10-3600	3		10042575110	10HC42575-CCPFFA	258	32042575110	10HC42575-CTPFFA	280
	15-3600	3		10042575130	15HC42575-CCPGFA	272	32042575130	15HC42575-CTPGFA	284
	20-3600	3		10042575140	20HC42575-CCPHAA	292	32042575140	20HC42575-CTPHAA	304
	25-3600	3		10042575150	25HC42575-CCPHFA	302	32042575150	25HC42575-CTPHFA	324
	7.5-3600	1	Mechanical	51042575101	7HC42575-CCMFAA	225	39042575101	7HC42575-CTMFAA	294
	10-3600	1		51042575111	10HC42575-CCMFAA	258	39042575111	10HC42575-CTMFAA	310
	7.5-3600	3		11042575101	7HC42575-CCMFAA	235	33042575101	75HC42575-CTMFAA	230
	10-3600	3		11042575111	10HC42575-CCMFAA	258	33042575111	10HC42575-CTMFAA	271
	15-3600	3		11042575131	15HC42575-CCMGFA	272	33042575131	15HC42575-CTMGFA	293
	20-3600	3		11042575141	20HC42575-CCMHAA	292	33042575141	20HC42575-CTMHAA	304
	25-3600	3		11042575151	25HC42575-CCMHFA	302	33042575151	25HC42575-CTMHFA	307

NOTES: There will be an impeller trimming charge applied for any non-standard impeller trim. Consult price sheets for list price adders.

CENTRIFUGAL PUMPS

CLOSE-COUPLED 7.5"



ORDERING INFORMATION

Pump Size (Dis. x Suc. - Imp)	HP-RPM	PH	Sealing	ODP Models			TEFC Models		
				Order No.	Model Description	Wt. (lbs)	Order No.	Model Description	Wt. (lbs)
3 x 4 - 7.5	7.5-3600	1	Packing	50040375100	7HC4375-CCPFAA	235	38040375100	7HC4375-CTPFAA	257
	10-3600	1		50040375110	10HC4375-CCPFAA	268	38040375110	10HC4375-CTPFAA	280
	7.5-3600	3		10040375100	7HC4375-CCPFAA	235	32040375100	75HC4375-CTPFAA	247
	10-3600	3		10040375110	10HC4375-CCPFAA	268	32040375110	10HC4375-CTPFAA	290
	15-3600	3		10040375120	15HC4375-CCPGAA	282	32040375120	15HC4375-CTPGAA	351
	20-3600	3		10040375130	20HC4375-CCPGFA	302	32040375130	20HC4375-CTPGFA	354
	25-3600	3		10040375140	25HC4375-CCPHAA	312	32040375140	25HC4375-CTPHAA	317
	30-3600	3		10040375150	30HC4375-CCPHFA	464	32040375150	30HC4375-CTPHFA	474
	7.5-3600	1	Mechanical	51040375101	7HC4375-CCMFAA	235	39040375101	7HC4375-CTMFAA	257
	10-3600	1		51040375111	10HC4375-CCMFAA	268	39040375111	10HC4375-CTMFAA	280
	7.5-3600	3		11040375101	7HC4375-CCMFAA	235	33040375101	75HC4375-CTMFAA	247
	10-3600	3		11040375111	10HC4375-CCMFAA	268	33040375111	10HC4375-CTMFAA	290
	15-3600	3		11040375121	15HC4375-CCMGAA	282	33040375121	15HC4375-CTMGAA	351
	20-3600	3		11040375131	20HC4375-CCMGFA	302	33040375131	20HC4375-CTMGFA	354
	25-3600	3		11040375141	25HC4375-CCMHAA	312	33040375141	25HC4375-CTMHAA	317
	30-3600	3		11040375151	30HC4375-CCMHFA	464	33040375151	30HC4375-CTMHFA	474
4 x 4 - 7.5	15-3600	3	Packing	10040475100	15HC4475-CCPFAA	282	32040475100	15HC4475-CTPFAA	351
	20-3600	3		10040475110	20HC4475-CCPFAA	302	32040475110	20HC4475-CTPFAA	354
	25-3600	3		10040475120	25HC4475-CCPGAA	312	32040475120	25HC4475-CTPGAA	317
	30-3600	3		10040475130	30HC4475-CCPGFA	464	32040475130	30HC4475-CTPGFA	474
	40-3600	3		10040475140	40HC4475-CCPHAA	502	32040475140	40HC4475-CTPHAA	660
	50-3600	3		10040475150	50HC4475-CCPHFA	546	32040475150	50HC4475-CTPHFA	729
	15-3600	3	Mechanical	11040475101	15HC4475-CCMFAA	282	33040475101	15HC4475-CTMFAA	351
	20-3600	3		11040475111	20HC4475-CCMFAA	302	33040475111	20HC4475-CTMFAA	354
	25-3600	3		11040475121	25HC4475-CCMGAA	312	33040475121	25HC4475-CTMGAA	317
	30-3600	3		11040475131	30HC4475-CCMGFA	464	33040475131	30HC4475-CTMGFA	474
	40-3600	3		11040475141	40HC4475-CCMHAA	502	33040475141	40HC4475-CTMHAA	660
	50-3600	3		11040475151	50HC4475-CCMHFA	546	33040475151	50HC4475-CTMHFA	729
4 x 5 - 7.5	25-3600	3	Packing	10050475100	25HC5475-CCPGAA	449	32050475100	25HC5475-CTPGAA	454
	30-3600	3		10050475105	30HC5475-CCPGCF	484	32050475105	30HC5475-CTPGCF	494
	40-3600	3		10050475110	40HC5475-CCPGFA	522	32050475110	40HC5475-CTPGFA	680
	50-3600	3		10050475120	50HC5475-CCPHAA	566	32050475120	50HC5475-CTPHAA	749
	60-3600	3		10050475130	60HC5475-CCPHFA	569	32050475130	60HC5475-CTPHFA	769
	25-3600	3	Mechanical	11050475101	25HC5475-CCMGAA	449	33050475101	25HC5475-CTPGAA	454
	30-3600	3		11050475106	30HC5475-CCMGCF	484	33050475106	30HC5475-CTPGCF	494
	40-3600	3		11050475111	40HC5475-CCMGFA	522	33050475111	40HC5475-CTPGFA	680
	50-3600	3		11050475121	50HC5475-CCMHAA	566	33050475121	50HC5475-CTPHAA	749
	60-3600	3		11050475131	60HC5475-CCMHFA	569	33050475131	60HC5475-CTPHFA	769

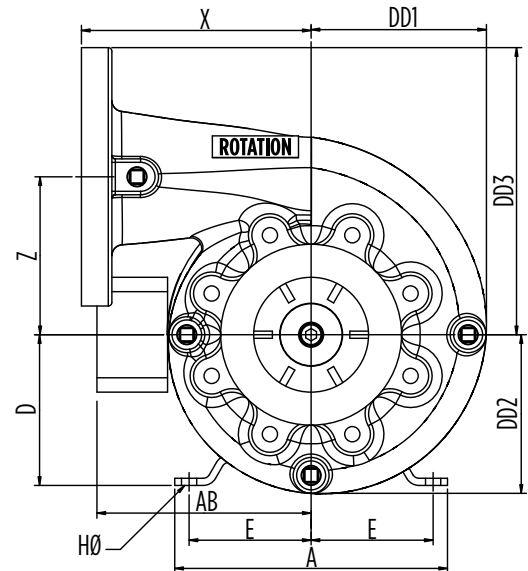
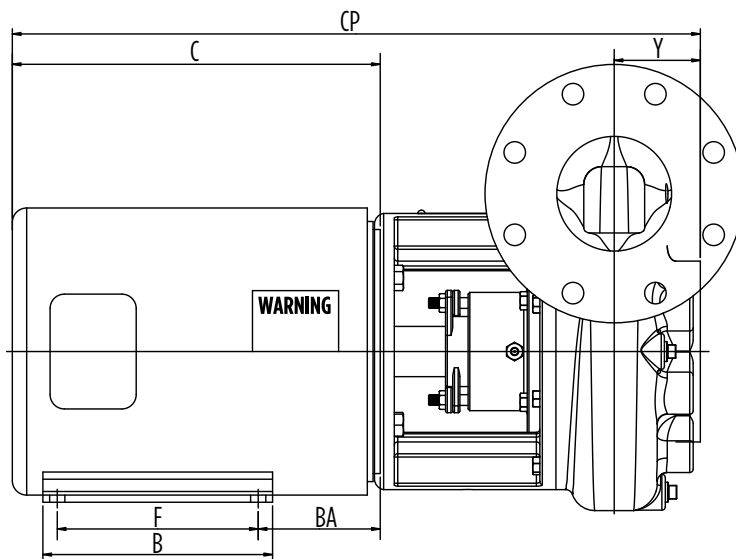
NOTES: There will be an impeller trimming charge applied for any non-standard impeller trim. Consult price sheets for list price adders.

CENTRIFUGAL PUMPS

CLOSE-COUPLED 7.5"



DIMENSIONS



Pump Size (Dis. x Suc. - Imp)	HP	PH	Dimensions (in)															
			A	B	C	D	E	F	H	CP	X	Y	Z	DD1	DD2	DD3	AB	BA
1.5 x 3 - 75	3	1	9.50	8.00	13.94	5.25	4.25	7.00	0.41	24.63	6.00	2.89	4.38	5.00	4.82	6.88	7.46	4.50
	5	1	9.50	8.00	13.94	5.25	4.25	7.00	0.41	24.63	6.00	2.89	4.38	5.00	4.82	6.88	7.46	4.50
	7.5	1	9.50	8.00	13.94	5.25	4.25	7.00	0.41	24.63	6.00	2.89	4.38	5.00	4.82	6.88	7.93	4.50
	10	1	9.50	8.00	15.06	5.25	4.25	7.00	0.41	25.75	6.00	2.89	4.38	5.00	4.82	6.88	7.93	4.50
	3	3	9.50	8.00	12.81	5.25	4.25	7.00	0.41	23.50	6.00	2.89	4.38	5.00	4.82	6.88	7.97	4.25
	5	3	9.50	8.00	12.81	5.25	4.25	7.00	0.41	23.50	6.00	2.89	4.38	5.00	4.82	6.88	7.97	4.25
	7.5	3	9.50	8.00	12.81	5.25	4.25	7.00	0.41	23.50	6.00	2.89	4.38	5.00	4.82	6.88	7.97	4.25
	10	3	9.50	8.00	12.81	5.25	4.25	7.00	0.41	23.50	6.00	2.89	4.38	5.00	4.82	6.88	7.97	4.25
2 x 3 - 75	3	1	9.50	8.00	13.94	5.25	4.25	7.00	0.41	24.70	6.25	2.75	4.50	5.07	4.82	7.50	7.46	4.50
	5	1	9.50	8.00	13.94	5.25	4.25	7.00	0.41	24.70	6.25	2.75	4.50	5.07	4.82	7.50	7.46	4.50
	7.5	1	9.50	8.00	13.94	5.25	4.25	7.00	0.41	24.70	6.25	2.75	4.50	5.07	4.82	7.50	7.93	4.50
	10	1	9.50	8.00	15.06	5.25	4.25	7.00	0.41	25.82	6.25	2.75	4.50	5.07	4.82	7.50	7.93	4.50
	3	3	9.50	8.00	12.81	5.25	4.25	7.00	0.41	23.57	6.25	2.75	4.50	5.07	4.82	7.50	7.97	4.25
	5	3	9.50	8.00	12.81	5.25	4.25	7.00	0.41	23.57	6.25	2.75	4.50	5.07	4.82	7.50	7.97	4.25
	7.5	3	9.50	8.00	12.81	5.25	4.25	7.00	0.41	23.57	6.25	2.75	4.50	5.07	4.82	7.50	7.97	4.25
	10	3	9.50	8.00	12.81	5.25	4.25	7.00	0.41	23.57	6.25	2.75	4.50	5.07	4.82	7.50	7.97	4.25
2.5 x 4 - 75	15	3	9.50	8.00	15.56	5.25	4.25	7.00	0.43	26.32	6.25	2.75	4.50	5.07	4.82	7.50	7.93	4.50
	7.5	1	9.50	8.00	13.94	5.25	4.25	7.00	0.41	24.98	6.50	3.00	4.75	5.64	5.20	8.25	7.93	4.50
	10	1	9.50	8.00	15.06	5.25	4.25	7.00	0.41	26.10	6.50	3.00	4.75	5.64	5.20	8.25	7.93	4.50
	7.5	3	9.50	8.00	12.81	5.25	4.25	7.00	0.41	23.85	6.50	3.00	4.75	5.64	5.20	8.25	7.93	4.50
	10	3	9.50	8.00	12.81	5.25	4.25	7.00	0.41	23.85	6.50	3.00	4.75	5.64	5.20	8.25	7.97	4.25
	15	3	9.50	8.00	15.56	5.25	4.25	7.00	0.43	26.60	6.50	3.00	4.75	5.64	5.20	8.25	7.93	4.50
	20	3	11.25	11.25	17.93	6.25	5.00	10.00	0.53	28.97	6.50	3.00	4.75	5.64	5.20	8.25	9.49	4.75
	25	3	11.25	11.25	17.93	6.25	5.00	10.00	0.53	28.97	6.50	3.00	4.75	5.64	5.20	8.25	9.49	4.75

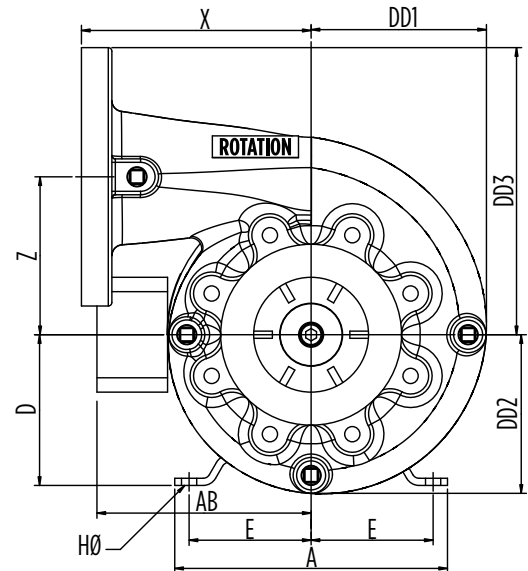
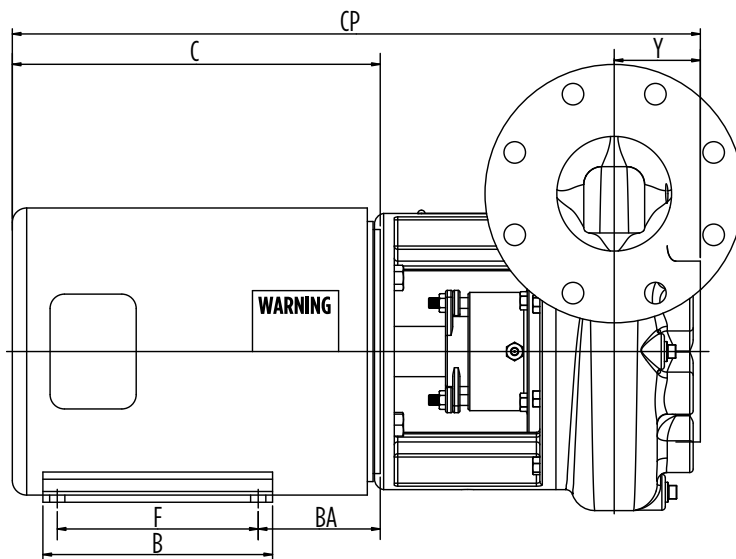
NOTE: Dimensions are for estimating purposes only.

CENTRIFUGAL PUMPS

CLOSE-COUPLED 7.5"



DIMENSIONS



Pump Size (Dis. x Suc. - Imp)	HP	PH	Dimensions (in)															
			A	B	C	D	E	F	H	CP	X	Y	Z	DD1	DD2	DD3	AB	BA
3 x 4 - 75	7.5	1	9.50	8.00	13.94	5.25	4.25	7.00	0.41	25.02	6.99	3.00	5.00	5.82	5.33	8.75	7.93	4.50
	10	1	9.50	8.00	15.06	5.25	4.25	7.00	0.41	26.14	6.99	3.00	5.00	5.82	5.33	8.75	7.93	4.50
	7.5	3	9.50	8.00	12.81	5.25	4.25	7.00	0.41	23.89	6.99	3.00	5.00	5.82	5.33	8.75	7.93	4.50
	10	3	9.50	8.00	12.81	5.25	4.25	7.00	0.41	23.89	6.99	3.00	5.00	5.82	5.33	8.75	7.93	4.25
	15	3	9.50	8.00	15.56	5.25	4.25	7.00	0.43	26.64	6.99	3.00	5.00	5.82	5.33	8.75	7.93	4.50
	20	3	11.25	11.25	17.93	6.25	5.00	10.00	0.53	29.01	6.99	3.00	5.00	5.82	5.33	8.75	9.49	4.75
	25	3	11.25	11.25	17.93	6.25	5.00	10.00	0.53	29.01	6.99	3.00	5.00	5.82	5.33	8.75	9.49	4.75
	30	3	12.25	12.24	19.81	6.97	5.50	11.00	0.53	30.89	6.99	3.00	5.00	5.82	5.33	8.75	11.37	4.75
4 x 4 - 75	15	3	9.50	8.00	15.56	5.25	4.25	7.00	0.43	26.79	8.00	3.00	5.50	6.11	5.54	10.00	7.93	4.50
	20	3	11.25	11.25	17.93	6.25	5.00	10.00	0.53	29.16	8.00	3.00	5.50	6.11	5.54	10.00	9.49	4.75
	25	3	11.25	11.25	17.93	6.25	5.00	10.00	0.53	29.16	8.00	3.00	5.50	6.11	5.54	10.00	9.49	4.75
	30	3	12.25	12.24	19.81	6.97	5.50	11.00	0.53	31.04	8.00	3.00	5.50	6.11	5.54	10.00	11.37	4.75
	40	3	12.25	12.24	21.31	6.97	5.50	11.00	0.53	32.54	8.00	3.00	5.50	6.11	5.54	10.00	11.37	4.75
	50	3	14.25	13.75	21.19	8.00	6.25	12.00	0.66	32.42	8.00	3.00	5.50	6.11	5.54	10.00	12.21	5.26
4 x 5 - 75	25	3	11.25	11.25	17.93	6.25	5.00	10.00	0.53	29.60	8.00	3.25	5.50	6.52	5.92	10.00	9.49	4.75
	30	3	12.25	12.24	19.81	6.97	5.50	11.00	0.53	31.48	8.00	3.25	5.50	6.52	5.92	10.00	11.37	4.75
	40	3	12.25	12.24	21.31	6.97	5.50	11.00	0.53	32.98	8.00	3.25	5.50	6.52	5.92	10.00	11.37	4.75
	50	3	14.25	13.75	21.19	8.00	6.25	12.00	0.66	32.86	8.00	3.25	5.50	6.52	5.92	10.00	21.21	5.26
	60	3	14.25	13.75	21.19	8.00	6.25	12.00	0.66	32.86	8.00	3.25	5.50	6.52	5.92	10.00	21.21	5.26

NOTE: Dimensions are for estimating purposes only.

CLOSE-COUPLED 7.5"

FPS

1.5 X 3 - 7.5



CENTRIFUGAL PUMPS

CLOSE-COUPLED 7.5"



EXPLODED PARTS AND MATERIALS

1.5 X 3 - 7.5

Fig.	Part Description	Part No.	Materials
1	Volute, Case	305411901	ASTM 536 Ductile Iron
2	Impeller (7.5 diameter, 1-1/4" bore)	305410904	ASTM 536 Ductile Iron
3	Bracket	305412901	ASTM 536 Ductile Iron
4	Wear Ring	305417901	SAE 660 Bronze
10	Seal Box	305448004	ASTM 536 Ductile Iron
11	Stuffing Box	305448005	ASTM 536 Ductile Iron
12A	Shaft Sleeve - Mechanical	305415918	SAE 660 Bronze
12B	Shaft Sleeve - Packing	305415909	SAE 660 Bronze
13	Packing Rings (set of 5)	305415914	Graphite Yarn with PTFE
14	Lantern Ring	305415912	PTFE
15	Packing Gland (set of 2)	305448011	300 Series Stainless Steel
20	Mechanical Seal Assembly	305415906	Various
21	Packing Gland Assembly	305415901	Various
35	Key, Shaft	305418906	300 Series Stainless Steel
90	Mechanical Seal	305415904	SiC/SiC/FKM x Stainless Steel
100A	O-ring, Volute	305418924	Nitrile
100B	O-ring, Stuffing/Seal Box	305418923	Nitrile
110	Nameplate	305418901	Stainless Steel
200	See Motor Section		
500A	Pipe Plug, (3/8 NPT) (4 req.)	305418930	CAD-Plated Steel
500B	Pipe Plug, (1/2 NPT) (2 req.)	305418931	CAD-Plated Steel
510	Screw, Impeller (1/2-13x1.25)	305418902	Stainless Steel
520	Washer, Impeller	305419901	300 Series Stainless Steel
529	Nut, Hex (3/8-16 JAM) (2 req.)	305418908	CAD-Plated Steel
530A	Capscrew, Hex (3/8-16x1.00) (10 req.)	305418913	CAD-Plated Steel
530B	Capscrew, Hex (1/2-13x1.25) (4 req.)	305418915	CAD-Plated Steel
530C	Capscrew, Hex (3/8-16x1.00) (4 req.)	305418913	CAD-Plated Steel
531	Stud, Threaded (2 req.)	305418909	CAD-Plated Steel
550	Screws, Drive (set of 2)	305418910	Stainless Steel

SEAL KITS

1.5 X 3 - 7.5

Type	Included Part No.	Part No.
Mechanical	12A, 90, 100A, 100B	305415926
Packing	12B, 13, 14, 100A, 100B	305415927

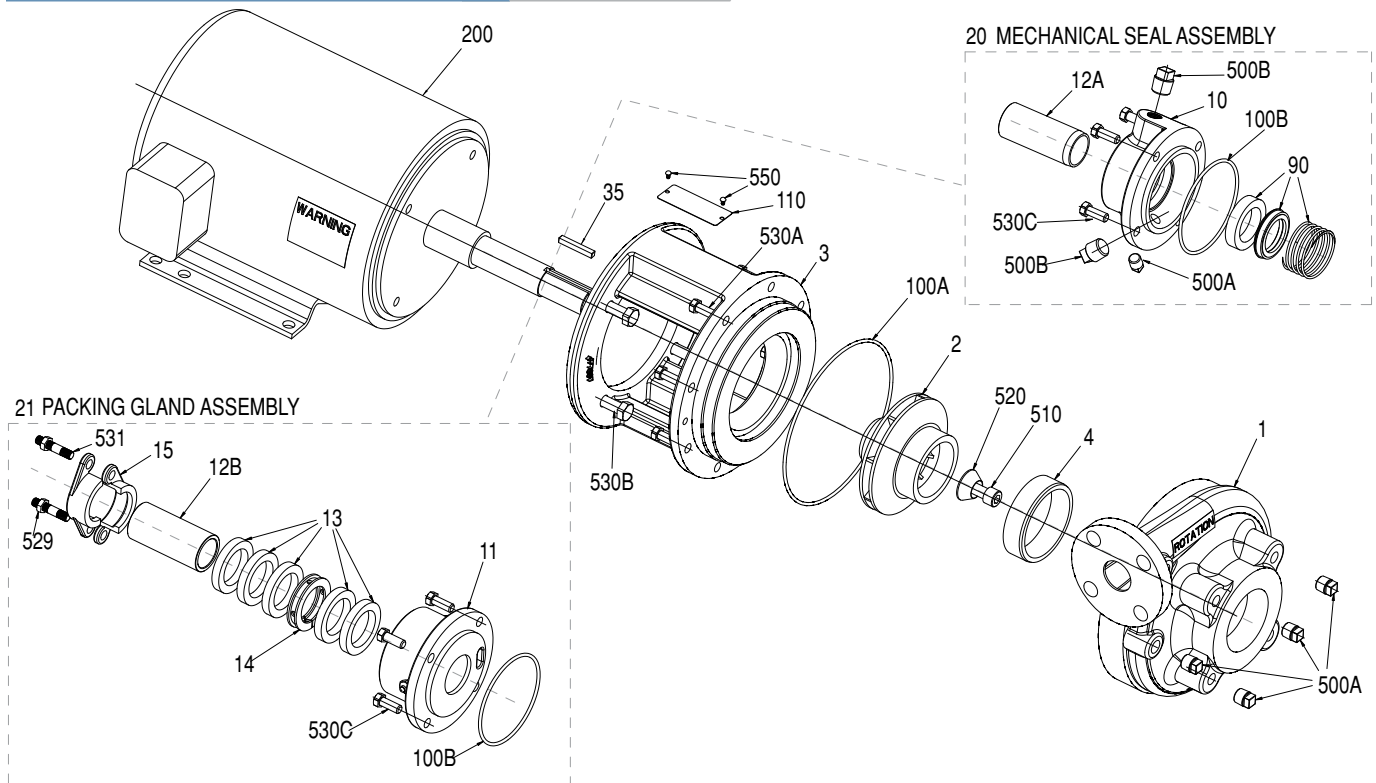
CENTRIFUGAL PUMPS

CLOSE-COUPLED 7.5"



EXPLODED PARTS AND MATERIALS

2X3-7.5



CENTRIFUGAL PUMPS

CLOSE-COUPLED 7.5"



EXPLODED PARTS AND MATERIALS

2 X 3 - 7.5

Fig.	Part Description	Part No.	Materials
1	Volute, Case	305411902	ASTM 536 Ductile Iron
2	Impeller (7.5 diameter, 1-1/4" bore)	305410909	ASTM 536 Ductile Iron
3	Bracket	305412901	ASTM 536 Ductile Iron
4	Wear Ring	305417902	SAE 660 Bronze
10	Seal Box	305448004	ASTM 536 Ductile Iron
11	Stuffing Box	305448005	ASTM 536 Ductile Iron
12A	Shaft Sleeve - Mechanical	305415918	SAE 660 Bronze
12B	Shaft Sleeve - Packing	305415909	SAE 660 Bronze
13	Packing Rings (set of 5)	305415914	Graphite Yarn with PTFE
14	Lantern Ring	305415912	PTFE
15	Packing Gland (set of 2)	305448011	300 Series Stainless Steel
20	Mechanical Seal Assembly	305415906	Various
21	Packing Gland Assembly	305415901	Various
35	Key, Shaft	305418906	300 Series Stainless Steel
90	Mechanical Seal	305415904	SiC/SiC/FKM x Stainless Steel
100A	O-ring, Volute	305418924	Nitrile
100B	O-ring, Stuffing/Seal Box	305418923	Nitrile
110	Nameplate	305418901	Stainless Steel
200	See Motor Section		
500A	Pipe Plug, (3/8 NPT) (4 req.)	305418930	CAD-Plated Steel
500B	Pipe Plug, (1/2 NPT) (2 req.)	305418931	CAD-Plated Steel
510	Screw, Impeller (1/2-13x1.25)	305418902	Stainless Steel
520	Washer, Impeller	305419901	300 Series Stainless Steel
529	Nut, Hex (3/8-16 JAM) (2 req.)	305418908	CAD-Plated Steel
530A	Capscrew, Hex (3/8-16x1.00) (10 req.)	305418913	CAD-Plated Steel
530B	Capscrew, Hex (1/2-13x1.25) (4 req.)	305418915	CAD-Plated Steel
530C	Capscrew, Hex (3/8-16x1.00) (4 req.)	305418913	CAD-Plated Steel
531	Stud, Threaded (2 req.)	305418909	CAD-Plated Steel
550	Screws, Drive (set of 2)	305418910	Stainless Steel

SEAL KITS

2 X 3 - 7.5

Type	Included Part No.	Part No.
Mechanical	12A, 90, 100A, 100B	305415926
Packing	12B, 13, 14, 100A, 100B	305415927

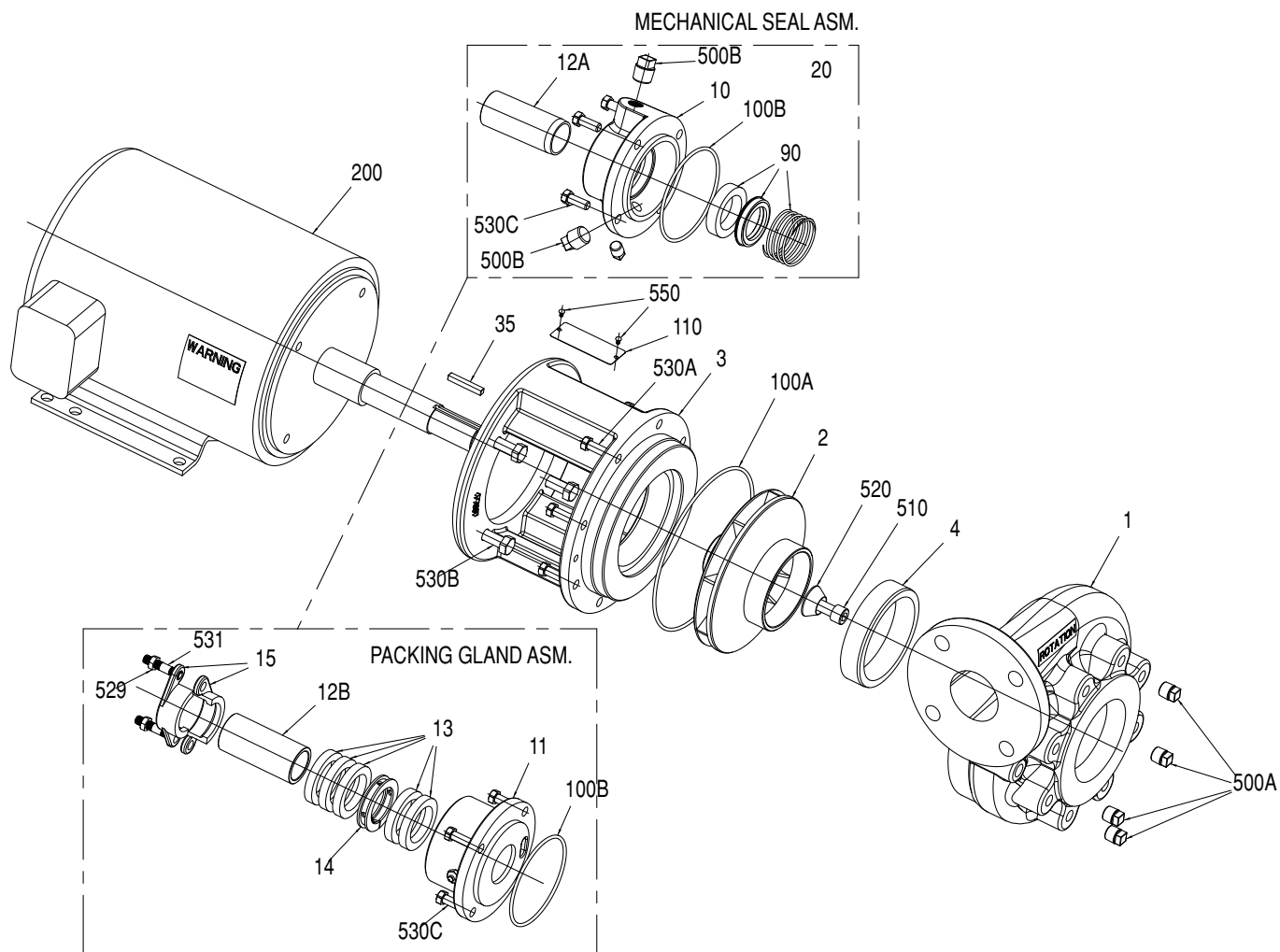
CENTRIFUGAL PUMPS

CLOSE-COUPLED 7.5"



EXPLODED PARTS AND MATERIALS

2.5 X 4 - 7.5



CENTRIFUGAL PUMPS

CLOSE-COUPLED 7.5"



EXPLODED PARTS AND MATERIALS

2.5 X 4 - 7.5

Fig.	Part Description	Part No.	Materials
1	Volute, Case	305411903	ASTM 536 Ductile Iron
2	Impeller (7.5 diameter, 1-1/4" bore)	305410914	ASTM 536 Ductile Iron
3	Bracket	305412901	ASTM 536 Ductile Iron
4	Wear Ring	305417904	SAE 660 Bronze
10	Seal Box	305415923	ASTM 536 Ductile Iron
11	Stuffing Box	305415920	ASTM 536 Ductile Iron
12A	Shaft Sleeve - Mechanical	305415918	SAE 660 Bronze
12B	Shaft Sleeve - Packing	305415909	SAE 660 Bronze
13	Packing Rings (set of 5)	305415914	Graphite Yarn with PTFE
14	Lantern Ring	305415912	PTFE
15	Kit Packing Gland (set of 2)	305415916	300 Series Stainless Steel
20	Mechanical Seal Assembly	305415906	Various
21	Packing Gland Assembly	305415901	Various
35	Key, Shaft	305418906	300 Series Stainless Steel
90	Mechanical Seal	305415904	SiC/SiC/FKM x Stainless Steel
100A	O-ring, Volute	305418924	Nitrile
100B	O-ring, Stuffing/Seal Box	305418923	Nitrile
110	Nameplate	305418901	Stainless Steel
200	See Motor Section		
500A	Pipe Plug, (3/8 NPT) (4 pack)	305418930	CAD-Plated Steel
500B	Pipe Plug, (1/2 NPT) (2 pack)	305418931	CAD-Plated Steel
500C	Pipe Plug, (1/4 NPT)	305418929	CAD-Plated Steel
510	Screw, Impeller (1/2-13x1.25)	305418902	Stainless Steel
520	Washer, Impeller	305419901	300 Series Stainless Steel
529	Nut, Hex (3/8-16 JAM) (2 pack)	305418908	CAD-Plated Steel
530A	Capscrew, Hex (3/8-16x1.00) (10 pack)	305418913	CAD-Plated Steel
530B	Capscrew, Hex (1/2-13x1.25) (4 pack)	305418915	CAD-Plated Steel
530C	Capscrew, Hex (3/8-16x1.00) (4 pack)	305418913	CAD-Plated Steel
531	Stud, Threaded (2 pack)	305418909	CAD-Plated Steel
550	Screws, Drive (set of 2)	305418910	Stainless Steel

SEAL KITS

2.5 X 4 - 7.5

Type	Included Part No.	Part No.
Mechanical	12A, 90, 100A, 100B	305464107
Packing	12B, 13, 14, 100A, 100B	305464108

CENTRIFUGAL PUMPS

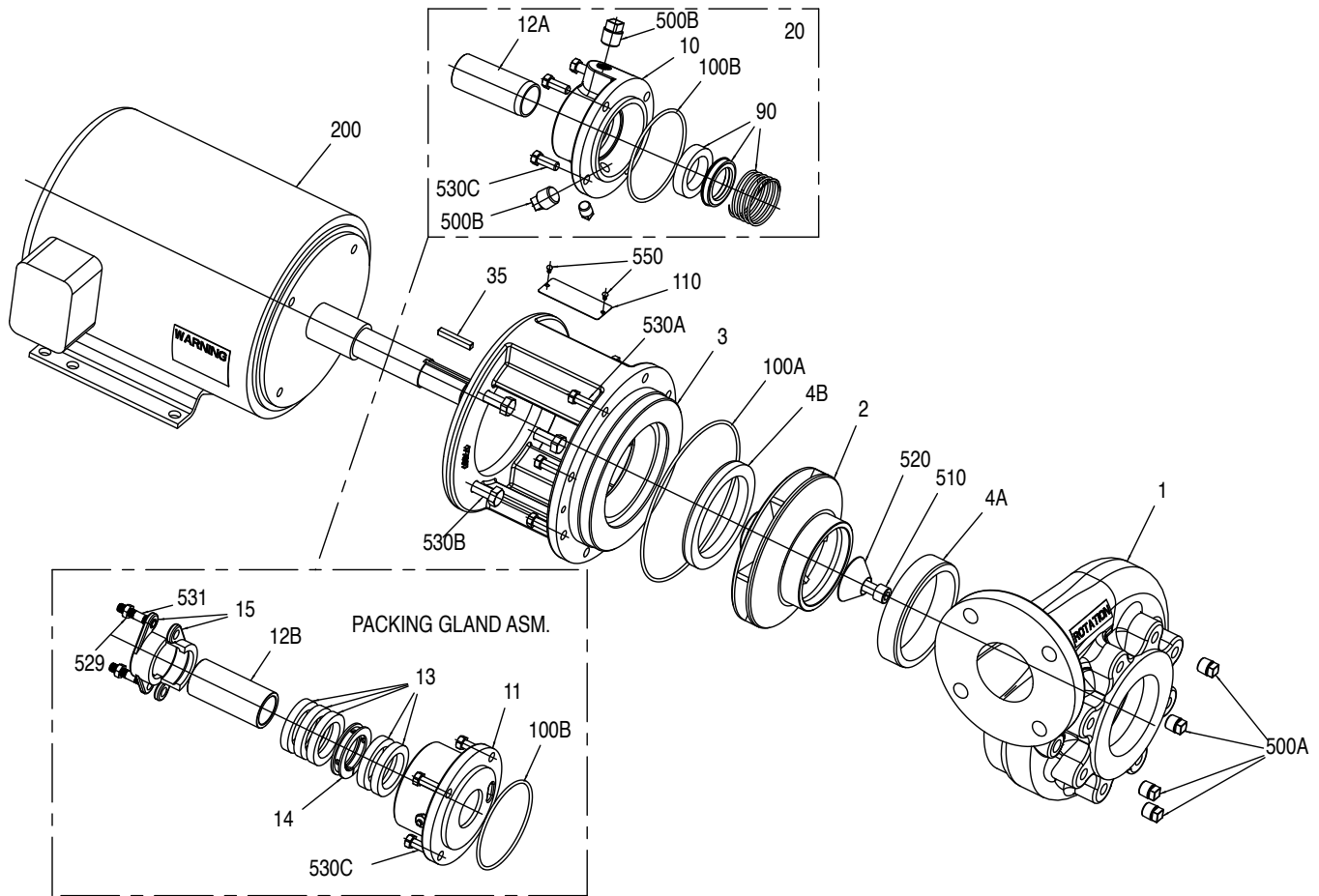
CLOSE-COUPLED 7.5"



EXPLODED PARTS AND MATERIALS

3 X 4 - 7.5

MECHANICAL SEAL ASM.



CENTRIFUGAL PUMPS

CLOSE-COUPLED 7.5"



EXPLODED PARTS AND MATERIALS

3 X 4 - 7.5

Fig.	Part Description	Part No.	Materials
1	Volute, Case	305411904	ASTM 536 Ductile Iron
2	Impeller (7.5 diameter, 1-1/4" bore)	305410920	ASTM 536 Ductile Iron
3	Bracket	See Table 1	ASTM 536 Ductile Iron
4A	Wear Ring	305417905	SAE 660 Bronze
4B	Wear Ring	305417917	SAE 660 Bronze
10	Seal Box	305415923	ASTM 536 Ductile Iron
11	Stuffing Box	305415920	ASTM 536 Ductile Iron
12A	Shaft Sleeve - Mechanical	305415918	SAE 660 Bronze
12B	Shaft Sleeve - Packing	305415909	SAE 660 Bronze
13	Packing Rings (set of 5)	305415914	Graphite Yarn with PTFE
14	Lantern Ring	305415912	PTFE
15	Packing Gland (set of 2)	305415916	300 Series Stainless Steel
20	Mechanical Seal Assembly	305415906	Various
21	Packing Gland Assembly	305415901	Various
35	Key, Shaft	305418906	300 Series Stainless Steel
90	Mechanical Seal	305415904	SiC/SiC/FKM x Stainless Steel
100A	O-ring, Volute	305418924	Nitrile
100B	O-ring, Stuffing/Seal Box	305418923	Nitrile
110	Nameplate	305418901	Stainless Steel
200	See Motor Section		
500A	Pipe Plug, (3/8 NPT) (4 req.)	305418930	CAD-Plated Steel
500B	Pipe Plug, (1/2 NPT) (2 req.)	305418931	CAD-Plated Steel
500C	Pipe Plug, (1/4 NPT)	305418929	CAD-Plated Steel
510	Screw, Impeller (1/2-13x1.25)	305418902	Stainless Steel
520	Washer, Impeller	305419902	300 Series Stainless Steel
529	Nut, Hex (3/8-16 JAM) (2 req.)	305418908	CAD-Plated Steel
530A	Capscrew, Hex (3/8-16x1.00) (10 req.)	305418913	CAD-Plated Steel
530B	Capscrew, Hex (1/2-13x1.25) (4 req.) 8.5AK Bracket	305418915	CAD-Plated Steel
530B	Capscrew, Hex (5/8-11x1.25) (4 req.) 12.5AK Bracket	305418917	CAD-Plated Steel
530C	Capscrew, Hex (3/8-16x1.00) (4 req.)	305418913	CAD-Plated Steel
531	Stud, Threaded (2 req.)	305418909	CAD-Plated Steel
550	Screws, Drive (set of 2)	305418910	Stainless Steel

BRACKETS

3 X 4 - 7.5

HP	RPM	Bracket	Part No.
7.5-25	3600	8.5AK	305412901
30	3600	12.5AK	305412905

SEAL KITS

3 X 4 - 7.5

Type	Included Part No.	Part No.
Mechanical	12A, 90, 100A, 100B	305464107
Packing	12B, 13, 14, 100A, 100B	305464108

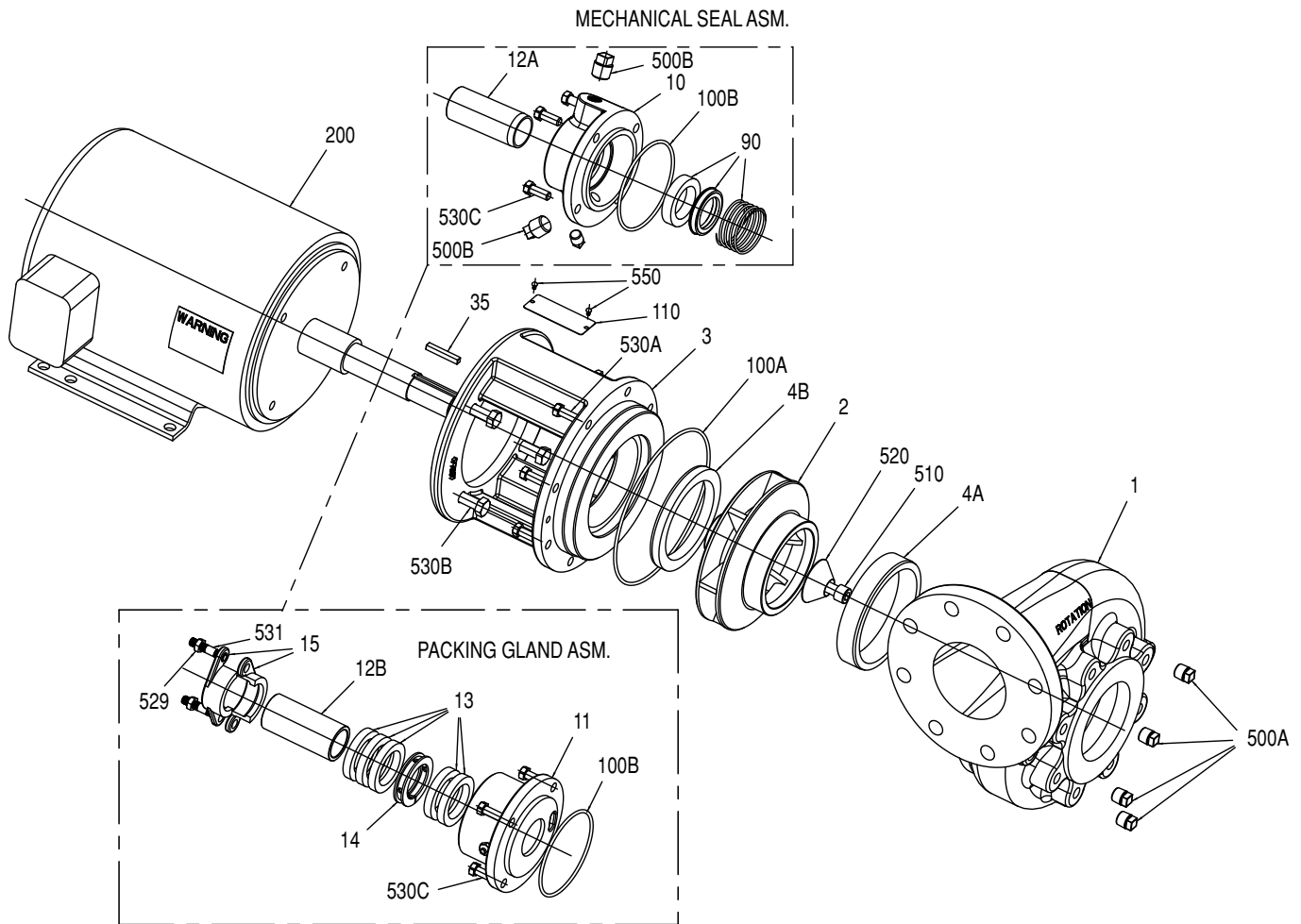
CENTRIFUGAL PUMPS

CLOSE-COUPLED 7.5"



EXPLODED PARTS AND MATERIALS

4 X 4 - 7.5



CENTRIFUGAL PUMPS

CLOSE-COUPLED 7.5"



EXPLODED PARTS AND MATERIALS

4 X 4 - 7.5

Fig.	Part Description	Part No.	Materials
1	Volute, Case	305411905	ASTM 536 Ductile Iron
2	Impeller (7.5 diameter, 1-1/4" bore)	305410926	ASTM 536 Ductile Iron
3	Bracket	See Table 1	ASTM 536 Ductile Iron
4A	Wear Ring	305417906	SAE 660 Bronze
4B	Wear Ring	305417917	SAE 660 Bronze
10	Seal Box	305415923	ASTM 536 Ductile Iron
11	Stuffing Box	305415920	ASTM 536 Ductile Iron
12A	Shaft Sleeve - Mechanical	305415918	SAE 660 Bronze
12B	Shaft Sleeve - Packing	305415909	SAE 660 Bronze
13	Packing Rings (set of 5)	305415914	Graphite Yarn with PTFE
14	Lantern Ring	305415912	PTFE
15	Packing Gland (set of 2)	305415916	300 Series Stainless Steel
20	Mechanical Seal Assembly	305415906	Various
21	Packing Gland Assembly	305415901	Various
35	Key, Shaft	305418906	300 Series Stainless Steel
90	Mechanical Seal	305415904	SiC/SiC/FKM x Stainless Steel
100A	O-ring, Volute	305418924	Nitrile
100B	O-ring, Stuffing/Seal Box	305418923	Nitrile
110	Nameplate	305418901	Stainless Steel
200	See Motor Section		
500A	Pipe Plug, (3/8 NPT) (4 req.)	305418930	CAD-Plated Steel
500B	Pipe Plug, (1/2 NPT) (2 req.)	305418931	CAD-Plated Steel
500C	Pipe Plug, (1/4 NPT)	305418929	CAD-Plated Steel
510	Screw, Impeller (1/2-13x1.25)	305418902	Stainless Steel
520	Washer, Impeller	305419902	300 Series Stainless Steel
529	Nut, Hex (3/8-16 JAM) (2 req.)	305418908	CAD-Plated Steel
530A	Capscrew, Hex (3/8-16x1.00) (10 req.)	305418913	CAD-Plated Steel
530B	Capscrew, Hex (1/2-13x1.25) (4 req.) 8.5AK Bracket	305418915	CAD-Plated Steel
530B	Capscrew, Hex (5/8-11x1.25) (4 req.) 12.5AK Bracket	305418917	CAD-Plated Steel
530C	Capscrew, Hex (3/8-16x1.00) (4 req.)	305418913	CAD-Plated Steel
531	Stud, Threaded (2 req.)	305418909	CAD-Plated Steel
550	Screws, Drive (set of 2)	305418910	CAD-Plated Steel

BRACKETS

4 X 4 - 7.5

HP	RPM	Bracket	Part No.
7.5-25	3600	8.5AK	305412901
30	3600	12.5AK	305412905

SEAL KITS

4 X 4 - 7.5

Type	Included Part No.	Part No.
Mechanical	12A, 90, 100A, 100B	305464107
Packing	12B, 13, 14, 100A, 100B	305464108

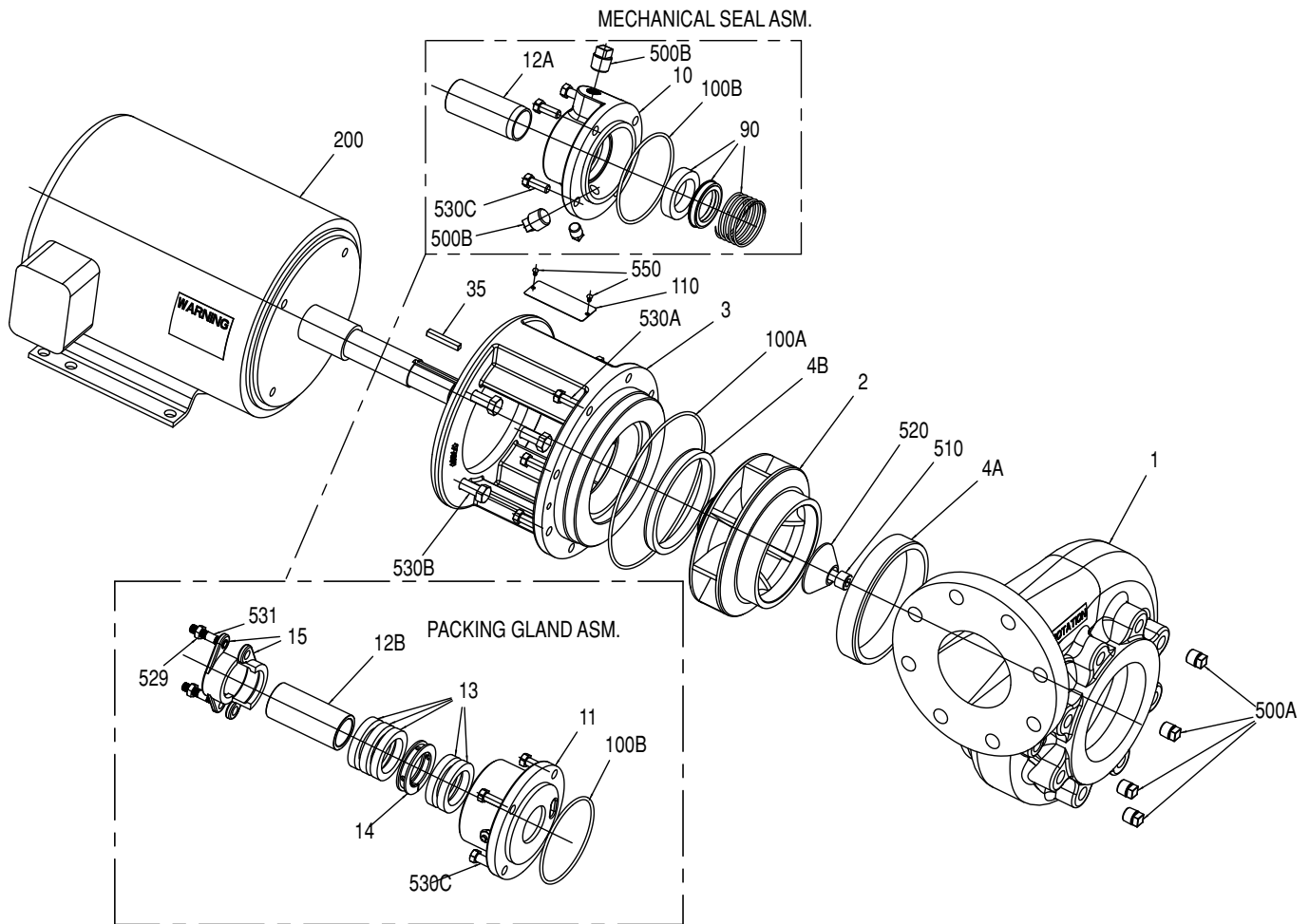
CENTRIFUGAL PUMPS

CLOSE-COUPLED 7.5"



EXPLODED PARTS AND MATERIALS

4 X 5 - 7.5



CENTRIFUGAL PUMPS

CLOSE-COUPLED 7.5"



EXPLODED PARTS AND MATERIALS

4 X 5 - 7.5

Fig.	Part Description	Part No.	Materials
1	Volute, Case	305411906	ASTM 536 Ductile Iron
2	Impeller (7.5" diameter, 1-1/4" bore)	305410930	ASTM 536 Ductile Iron
3	Bracket	See Table 1	ASTM 536 Ductile Iron
4A	Wear Ring	305417908	SAE 660 Bronze
4B	Wear Ring	305417920	SAE 660 Bronze
10	Seal Box	305415923	ASTM 536 Ductile Iron
11	Stuffing Box	305415920	ASTM 536 Ductile Iron
12A	Shaft Sleeve - Mechanical	305415918	SAE 660 Bronze
12B	Shaft Sleeve - Packing	305415909	SAE 660 Bronze
13	Packing Rings (set of 5)	305415914	Graphite Yarn with PTFE
14	Lantern Ring	305415912	PTFE
15	Packing Gland (set of 2)	305415916	300 Series Stainless Steel
20	Mechanical Seal Assembly	305415906	Various
21	Packing Gland Assembly	305415901	Various
35	Key, Shaft	305418906	300 Series Stainless Steel
90	Mechanical Seal	305415904	SiC/SiC/FKM x Stainless Steel
100A	O-ring, Volute	305418924	Nitrile
100B	O-ring, Stuffing/Seal Box	305418923	Nitrile
110	Nameplate	305418901	Stainless Steel
200	See Motor Section		
500A	Pipe Plug, (3/8 NPT) (4 req.)	305418930	CAD-Plated Steel
500B	Pipe Plug, (1/2 NPT) (2 req.)	305418931	CAD-Plated Steel
500C	Pipe Plug, (1/4 NPT)	305418929	CAD-Plated Steel
510	Screw, Impeller (1/2-13x1.25)	305418902	Stainless Steel
520	Washer, Impeller	305419905	300 Series Stainless Steel
529	Nut, Hex (3/8-16 JAM) (2 req.)	305418908	CAD-Plated Steel
530A	Capscrew, Hex (3/8-16x1.00) (10 req.)	305418913	CAD-Plated Steel
530B	Capscrew, Hex (1/2-13x1.25) (4 req.) 8.5AK Bracket	305418915	CAD-Plated Steel
530B	Capscrew, Hex (5/8-11x1.25) (4 req.) 12.5AK Bracket	305418917	CAD-Plated Steel
530C	Capscrew, Hex (3/8-16x1.00) (4 req.)	305418913	CAD-Plated Steel
531	Stud, Threaded (2 req.)	305418909	CAD-Plated Steel
550	Screws, Drive (set of 2)	305418910	Stainless Steel

BRACKETS

4 X 5 - 7.5

HP	RPM	Bracket	Part No.
7.5-25	3600	8.5AK	305412901
30	3600	12.5AK	305412905

SEAL KITS

4 X 5 - 7.5

Type	Included Part No.	Part No.
Mechanical	12A, 90, 100A, 100B	305464107
Packing	12B, 13, 14, 100A, 100B	305464108

NOTES

CLOSE-COUPLED 7.5"



NOTES

CLOSE-COUPLED 7.5"





Franklin Electric