

<b>Endura® Centrifugal Pumps</b>	<b>Consolidated Bill of Materials – Group II, AB</b>
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				Position 3 - Pump Size	
				3x2x8	
				1	
Code	Part Description	Ref Item #	Material	Part #	Qty
<b>Position 1 - Pump Type</b>					
<b>B1</b>	<b>Air Barrier</b>				
	Eyebolt	50	CS/Epoxy	2620-050	2
	Nut, Eyebolt	51	18-8SS	2621-060	2
	Adapter, Taper Lock	40	Carbon Steel	5172-050	1
	Ball Bearing, Thrust	17	Carbon Steel	5026-050	2
	Ball Bearing, Radial	18	Carbon Steel	5024-050	1
	Labyrinth Ring, Radial Bearing	15	Carbon Steel	5027-050	1
	Nilos Ring, Thrust Bearing	16	Carbon Steel	5029-050	2
	Bolt, Lock Nut, Inner Magnet (1/4-28 x 3/4 SHCS)	20	18-8SS	5103-060	1
	Spring, Thrust Bearing Preload (Wave Spring)	24	17-7PHSS CH900	3420-080	1
	Bolt, Bearing Preload Cap (10-32 x 1/2 SHCS)	14	18-8SS	2715-060	8
	Bolt, Bracket/Casing Cover (1/2-13 x 1-1/2 SHCS)	47	18-8SS	2847-060	4
	Set Screw, Seal Retainer (1/4-28 x 3/8 SHSS-HD)	22	18-8SS	5089-060	1
	Bolt, Case Cover / Casing (5/8-11 x 1-1/4 SHCS)	5	18-8SS	5173-060	8
	Bolt, Lock Nut, Bearing Housing (5/16-24 x 1 SHCS)	31	18-8SS	2714-060	1
	Bolt, Motor Adapter/Bracket (1/2-13 x 1-1/4 SHCS)	48	18-8SS	3153-060	4
	Name Plate	-	316SS	2723-010	1
<b>Position 2 - Temperature</b>					
<b>N</b>	<b>Normal Temperature (-60 to +350°F)</b>				
<b>Position 3 - Size (See Columns)</b>					
—	See Column 1				

Consolidated Bill of Materials – Group II, AB (Continued)					
Code	Part Description	Ref Item #	Material	3x2x8	Qty
<b>Position 4 - Wet End, Material of Construction</b>					
<b>S</b>	<b>316 Stainless Steel</b>				
	Impeller, Open	2	316SS	5068-010	1
	Nut, Impeller	9	316SS	2610-010	1
	Cover, Casing	3	316SS	5135-010	1
	Shaft	11	303SS	5013-015	1
	Key, Impeller	28	316SS	5343-010	1
	Key, Inner Magnet	27	316SS	5046-010	1
	Drain Plug, 1/2" NPT	4	316SS	2730-010	1
	Bearing Housing, Standard	10	316SS	5395-010	1
	Pin, Bearing Housing	29	316SS	5216-010	1
	Lock Nut, Bearing Housing	30	316SS	5034-010	1
	Lock Nut, Inner Magnet	19	316SS	5033-010	1
	Spacer, Impeller	23	316SS	5183-010	1
	Spacer, Inner Magnet	12	316SS	5391-010	1
	Bearing Preload Cap (Bearing Cover)	13	316SS	5392-010	1
<b>Position 5 - Casing Flanges</b>					
<b>2</b>	<b>Casing, 150# RF ANSI</b>	1	316SS	5242-010	1
<b>3</b>	<b>Casing, 300# RF ANSI</b>	1	316SS	CF	1
<b>Position 6 - O-Ring/Gaskets</b>					
<b>T</b>	<b>Teflon</b>				
	Gasket, Casing	56	Teflon	5169-210	1
	O-ring, Containment Can (2-165)	55	Teflon	5087-210	1
	O-ring, Bearing Housing (2-243)	54	Teflon	5064-210	1
<b>K</b>	<b>Kalrez 4079</b>				
	Gasket, Casing	56	Kalrez 4079	5169-240	1
	O-ring, Containment Can (2-165)	55	Kalrez 4079	5087-240	1
	O-ring, Bearing Housing (2-243)	54	Kalrez 4079	5064-240	1

Consolidated Bill of Materials – Group II, AB (Continued)					
Code	Part Description	Ref Item #	Material	3x2x8	Qty
<b>Position 7 - Containment Can, Material of Construction</b>					
<b>Z</b>	<b>Zirconia (TTZ)</b>				
	Containment Can	35	Zirconia (TTZ)	5014-140	1
	Flange, Ceramic Containment Can	34	304SS	5015-013	1
	O-ring, Flange Bumper, Ceramic Can (2-167)	33	Teflon	2883-210	1
	Bolt, Ceramic Can (3/8-24 x 1-1/2 SHCS)	38	18-8SS	5090-060	8
<b>Position 8 - Magnetic Coupling</b>					
<b>5</b>	<b>NdFeB 2" - Ceramic Can Only</b>				
	Inner Magnet, 2"	36	316SS/NdFeB	5230-370	1
	Outer Magnet, Ceramic Can, 2"	37	CS/NdFeB	5112-410	1
<b>6</b>	<b>NdFeB 3" - Ceramic Can Only</b>				
	Inner Magnet, 3"	36	316SS/NdFeB	5110-370	1
	Outer Magnet, Ceramic Can, 3"	37	CS/NdFeB	5114-410	1
<b>7</b>	<b>SmCo 2" - Ceramic Can Only</b>				
	Inner Magnet, 2"	36	316SS/SmCo	5230-380	1
	Outer Magnet, Ceramic Can, 2"	37	CS/SmCo	5112-420	1
<b>8</b>	<b>SmCo 3" - Ceramic Can Only</b>				
	Inner Magnet, 3"	36	316SS/SmCo	5110-380	1
	Outer Magnet, Ceramic Can, 3"	37	CS/SmCo	5114-420	1
<b>Position 9 - Mounting</b>					
<b>0</b>	<b>Close Coupled</b> (Select Motor Code in Pos. 10)				
<b>1</b>	<b>Power Frame</b> (Select "0" in Position 10)				
	Power Frame Assembly - Group II	46	Cl/Epoxy/Misc	5194-190	1
	Bushing, Taper Lock - <b>1-5/8"</b> I.D.	41	Carbon Steel	5171-050	1
	Bracket	45	CS/Epoxy	5035-050	1
	Foot, Bracket	57	Cl/Epoxy	5152-190	1
	Bolt, Foot, Bracket (1/2-13 x 1-1/4 SHCS)	58	18-8SS	3153-060	2
	Bolt, Bracket/Power Frame (1/2-13 x 1-1/4 SHCS)	48	18-8SS	3153-060	4

Consolidated Bill of Materials – Group II, AB (Continued)					
Code	Part Description	Ref Item #	Material	3x2x8	Qty
<b>Position 10 - Motor Frame Size (If Close-Coupled Mounted)</b>					
<b>C</b>	<b>NEMA 182/184 TC Motor</b>				
	Bushing, Taper Lock - <b>1-1/8"</b> I.D.	41	Carbon Steel	5246-050	1
	Adapter, NEMA 182-256TC	46	Al, Anodized	5195-070	1
	Bolt, Adapter to Motor (1/2-13 x 1-1/2 FH-SHCS)	49	Carbon Steel	3415-050	4
	Bracket	45	CS/Epoxy	5035-050	1
	Bolt, Bracket to Adapter (1/2-13 x 1-1/4 SHCS)	48	18-8SS	3153-060	4
<b>D</b>	<b>NEMA 213/215TC Motor</b>				
	Bushing, Taper Lock - <b>1-3/8"</b> I.D.	41	Carbon Steel	5210-050	1
	Adapter, NEMA 182-256TC	46	Al, Anodized	5195-070	1
	Bolt, Adapter to Motor (1/2-13 x 1-1/2 FH-SHCS)	49	Carbon Steel	3415-050	4
	Bracket	45	CS/Epoxy	5196-050	1
	Bolt, Bracket to Adapter (1/2-13 x 1-1/4 SHCS)	48	18-8SS	3153-060	4
<b>E</b>	<b>NEMA 254/256 TC Motor</b>				
	Bushing, Taper Lock - <b>1-5/8"</b> I.D.	41	Carbon Steel	5171-050	1
	Adapter, NEMA 182-256TC	46	Al, Anodized	5195-070	1
	Adapter, NEMA 254/256TC	46A	Al, Anodized	2890-070	1
	Bolt, Adapters to Motor (1/2-13 x 2 FH-SHCS)	49	18-8SS	3417-060	4
	Bracket	45	CS/Epoxy	5196-050	1
	Bolt, Bracket to Adapter (1/2-13 x 1-1/4 SHCS)	48	18-8SS	3153-060	4
<b>F</b>	<b>NEMA 284/286TC Motor</b>				
	Bushing, Taper Lock - <b>1-7/8"</b> I.D.	41	Carbon Steel	5228-050	1
	Adapter, NEMA 284/286TC	46	CS/Epoxy	5203-050	1
	Adapter, NEMA 182-256TC	46A	Al, Anodized	5195-070	1
	Bolt, Adapter to Motor (1/2-13 x 1-1/4 SHCS)	49	18-8SS	3153-060	4
	Bolt, Adapter to Adapter (1/2-13 x 1-1/2 FH-SHCS)	49A	Carbon Steel	3415-050	4
	Bracket	45	CS/Epoxy	5196-050	1
	Bolt, Bracket to Adapter (1/2-13 x 1-1/2 SHCS)	48	18-8SS	2847-060	4

Consolidated Bill of Materials – Group II, AB (Continued)					
Code	Part Description	Ref Item #	Material	3x2x8	Qty
<b>Position 10 Continued - Motor Frame Size (If Close-Coupled Mounted)</b>					
<b>G</b>	<b>NEMA 324/326TC Motor</b>				
	Bushing, Taper Lock - <b>2-1/8"</b> I.D.	41	Carbon Steel	5467-050	1
	Bracket	45	CS/Epoxy	5200-050	1
	Bolt, Bracket to Motor (5/8-11 x 1-1/2 SHCS)	48	18-8SS	5174-060	4
<b>H</b>	<b>NEMA 364/365TC Motor</b>				
	Bushing, Taper Lock - <b>2-3/8"</b> I.D.	41	Carbon Steel	CF	1
	Adapter, NEMA 364/365TC	46	CS/Epoxy	5239-050	1
	Bracket	45	CS/Epoxy	5200-050	1
	Bolt, Bracket/Adapter/Motor (5/8-11 x 2-1/4 SHCS)	48	18-8SS	CF	4
<b>J</b>	<b>NEMA 284/286TSC Motor</b>				
	Bushing, Taper Lock - <b>1-5/8"</b> I.D.	41	Carbon Steel	5171-050	1
	Adapter, NEMA 284/286TSC	46	CS/Epoxy	5240-050	1
	Bolt, Adapter to Motor (1/2-13 x 1-1/4 SHCS)	49	18-8SS	3153-060	4
	Bracket	45	CS/Epoxy	5035-050	1
	Bolt, Bracket to Adapter (1/2-13 x 1-1/4 SHCS)	48	18-8SS	3153-060	4
<b>K</b>	<b>NEMA 324/326TSC Motor</b>				
	Bushing, Taper Lock - <b>1-7/8"</b> I.D.	41	Carbon Steel	5228-050	1
	Adapter, NEMA 324-365TSC	46	CS/Epoxy	5235-050	1
	Bolt, Adapter to Motor (5/8-11 x 1-1/4 SHCS)	49	18-8SS	5173-060	4
	Bracket	45	CS/Epoxy	5196-050	1
	Bolt, Bracket to Adapter (1/2-13 x 1-1/4 SHCS)	48	18-8SS	3153-060	4
<b>L</b>	<b>NEMA 364/365TSC Motor</b>				
	Bushing, Taper Lock - <b>1-7/8"</b> I.D.	41	Carbon Steel	5228-050	1
	Adapter, NEMA 324-365TSC	46	CS/Epoxy	5235-050	1
	Bolt, Adapter to Motor (5/8-11 x 1-1/4 SHCS)	49	18-8SS	5173-060	4
	Bracket	45	CS/Epoxy	5196-050	1
	Bolt, Bracket to Adapter (1/2-13 x 1-1/4 SHCS)	48	18-8SS	3153-060	4

Consolidated Bill of Materials – Group II, AB (Continued)					
Code	Part Description	Ref Item #	Material	3x2x8	Qty
<b>Position 10 Continued - Motor Frame Size (If Close-Coupled Mounted)</b>					
<b>U</b>	<b>IEC 132 Motor</b>				
	Bushing, Taper Lock - <b>38 mm</b> I.D.	41	Carbon Steel	5526-050	1
	Adapter, IEC 132, B5	46	CS/Epoxy	5536-050	1
	Bolt, Motor to Adapter (1/2-13 x 1-1/4 SHCS)	49	18-8SS	3153-060	4
	Bracket	45	CS/Epoxy	5035-050	1
	Bolt, Bracket to Adapter (1/2-13 x 1-1/4 SHCS)	48	18-8SS	3153-060	4
<b>V</b>	<b>IEC 160 Motor</b>				
	Bushing, Taper Lock - <b>42 mm</b> I.D.	41	Carbon Steel	5359-050	1
	Adapter, IEC 160/180, B5	46	CS/Epoxy	5533-050	1
	Adapter, IEC 160-200, B5	46A	Al, Anodized	5211-070	1
	Bolt, Motor to Adapter (5/8-11 x 1-3/4 SHCS)	49	18-8SS	2933-060	4
	Bracket	45	CS/Epoxy	5196-050	1
	Bolt, Bracket to Adapters (1/2-13 x 2 SHCS)	48	18-8SS	2846-060	4
<b>W</b>	<b>IEC 180 Motor</b>				
	Bushing, Taper Lock - <b>48 mm</b> I.D.	41	Carbon Steel	5532-050	1
	Adapter, IEC 160/180, B5	46	CS/Epoxy	5533-050	1
	Adapter, IEC 160-200, B5	46A	Al, Anodized	5211-070	1
	Bolt, Motor to Adapter (5/8-11 x 1-3/4 SHCS)	49	18-8SS	2933-060	4
	Bracket	45	CS/Epoxy	5196-050	1
	Bolt, Bracket to Adapters (1/2-13 x 2 SHCS)	48	18-8SS	2846-060	4
<b>X</b>	<b>IEC 200 Motor</b>				
	Bushing, Taper Lock - <b>55 mm</b> I.D.	41	Carbon Steel	5570-050	1
	Adapter, IEC 200, B5	46	CS/Epoxy	5537-050	1
	Adapter, IEC 160-200, B5	46A	Al, Anodized	5211-070	1
	Bolt, Motor to Adapter (5/8-11 x 2 SHCS)	49	18-8SS	5337-060	4
	Bracket	45	CS/Epoxy	5196-050	1
	Bolt, Bracket to Adapters (1/2-13 x 2 SHCS)	48	18-8SS	2846-060	4

Consolidated Bill of Materials – Group II, AB (Continued)					
Code	Part Description	Ref Item #	Material	3x2x8	Qty
<b>Position 11 - Barrier Seal Face Material (Seal Components)</b>					
<b>1</b>	<b>Silicon Carbide</b>				
	Mating Ring (Rotating Face)	52	Silicon Carbide	3030-110	1
	Primary Ring (Stationary Face)	52	Silicon Carbide	3031-110	1
	Seal Hardware Package	52	316SS	5181-010	1
<b>Position 12 - Barrier Seal O-Rings (Elastomers)</b>					
<b>V</b>	<b>Viton</b>				
	O-Ring, Positioning (2-143)	-	Viton	2851-220	1
	O-Ring, Sealing (2-151)	-	Viton	2831-220	1
	O-Ring, Dynamic (2-337)	-	Viton	2948-220	1
	O-Ring, Impeller Nut (2-027)	53	Viton	5063-220	1
<b>K</b>	<b>Kalrez 4079</b>				
	O-Ring, Positioning (2-143)	-	Kalrez 4079	2851-240	1
	O-Ring, Sealing (2-151)	-	Kalrez 4079	2831-240	1
	O-Ring, Dynamic (2-337)	-	Kalrez 4079	2948-240	1
	O-Ring, Impeller Nut (2-027)	53	Kalrez 4079	5063-240	1
<b>Add-Ons</b>					
-	Guard, Coupling, Group II (Motor/Power Frame)	-	304SS	5350-013	1
-	Base Plate #254E (54" x 18" x 4" Channel)	-	CS/Epoxy	3527-050	1
-	Base Plate #264 (64" x 18" x 4" Channel)	-	CS/Epoxy	3528-050	1
-	Motor Riser	-	CS/Epoxy	CF	1
-	Pump Riser	-	CS/Epoxy	CF	1
-	Power Frame Riser	-	CS/Epoxy	CF	1
-	PMP-25 Motor Load Control	-	Misc	3622-000	1