

Endura® Centrifugal Pumps	Consolidated Bill of Materials – Group I, AB
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Code	Part Description	Ref Item #	Material	Position 3 - Pump Size			Qty
				1.5x1x6	3x1.5x6	1.5x1x8	
				A	B	C	
Position 1 - Pump Type							
B1	Air Barrier						
	Eyebolt	8	CS/Epoxy	2620-050			1
	Nut, Eyebolt	9	18-8SS	2621-060			1
	Mounting Bracket, Standard Group 1	10	Cl/Epoxy	2589-190			1
	Bolt, Bracket/Motor Adapter (3/8-16 x 1-1/4 SHCS)	56	18-8SS	2709-060			4
	Bolt, Bracket/Casing (3/8-16 x 2 SHCS)	61	18-8SS	2773-060	2773-060	X	8
	Bolt, Bracket/Casing Adapter (3/8-24 x 1-3/4 SHCS)	61	18-8SS	X	X	2848-060	8
	Bolt, Casing Adapter/Casing (1/2-13 x 1-1/2 SHCS)	90	18-8SS	X	X	2847-060	8
	Bolt, Bracket/Bearing Housing (3/8-16 x 1-1/4 SHCS)	56	18-8SS	2709-060			2
	Bolt, Seal Retainer (10-32 x 3/4 SHCS)	29	18-8SS	3075-060			4
	Bolt, Bearing Retainer (8-32 x 1/2 SHCS)	30	18-8SS	2771-060			4
	Bolt, Hub/Outer Magnet (8-32 x 1/2 SHCS)	55	Carbon Steel	2771-050			8
	Ball Bearing, Thrust	24	Carbon Steel	2840-050			2
	Ball Bearing, Radial	23	Carbon Steel	2867-050			1
	Labyrinth Ring, Radial Bearing	25	Carbon Steel	2816-050			1
	Nilos Ring, Thrust Bearing (Pump End)	27	Carbon Steel	2788-050			1
	Nilos Ring, Thrust Bearing (Magnet End)	28	Carbon Steel	2789-050			1
	Retainer, Thrust Bearing	26	303SS	2786-015			1
	Name Plate	-	316SS	2723-010			1
Position 2 - Temperature							
N	Normal Temperature (-60 to +350°F)						
Position 3 - Size (See Columns)							
—	See Columns A, B, C						

Consolidated Bill of Materials – Group I, AB (Continued)							
Code	Part Description	Ref Item #	Material	1.5x1x6	3x1.5x6	1.5x1x8	Qty
Position 4 - Wet End, Material of Construction							
S	316 Stainless Steel						
	Impeller, Closed	2	316SS	2853-010	2854-010	2856-010	1
	Nut, Impeller, AB	3	316SS		2618-010		1
	Bearing Housing, Standard	5	316SS		2805-010		1
	Shaft	17	303SS		3013-015		1
	Key, Impeller	18	316SS		2612-010		1
	Key, Inner Magnet	19	316SS		2611-010		1
	Drain Plug, 1/2 NPT (1/4 NPT for 3x1.5x6)	20	316SS	2730-010	2793-010	2730-010	1
	Spacer, Impeller, Standard	22	316SS		2563-010		1
	Spacer, Inner Magnet	21	316SS		2562-010		1
	Snap Ring, Inner Magnet	31	316SS		3003-010		1
	Adapter, Casing	46	316SS	X	X	2587-010	1
Position 5 - Casing Flanges							
2	Casing, 150# RF ANSI	1	316SS	3368-010	3370-010	3369-010	1
3	Casing, 300# RF ANSI	1	316SS	3404-010	3405-010	3406-010	1
Position 6 - O-Rings							
T	Teflon						
	O-Ring, Casing (2-166)	70	Teflon		2661-210		1
	O-Ring, Containment Can (2-049)	71	Teflon		2660-210		1
	O-Ring, Casing Adapter (2-175)	89	Teflon	X	X	2662-210	1
K	Kalrez 4079						
	O-Ring, Casing (2-166)	70	Kalrez 4079		2661-240		1
	O-Ring, Containment Can (2-049)	71	Kalrez 4079		2660-240		1
	O-Ring, Casing Adapter (2-175)	89	Kalrez 4079	X	X	2662-240	1

Consolidated Bill of Materials – Group I, AB (Continued)							
Code	Part Description	Ref Item #	Material	1.5x1x6	3x1.5x6	1.5x1x8	Qty
Position 7 - Containment Can, Material of Construction							
Z	Zirconia (TTZ)						
	Containment Can	6c	Zirconia (TTZ)		2951-140		1
	Flange, Ceramic Containment Can	6b	303SS		2779-015		1
	O-Ring, Flange Bumper, Ceramic Can (2-159)	6a	Teflon		2669-210		1
	Bolt, Ceramic Can (5/16-24 x 1 SHCS)	49	18-8SS		2714-060		8
Position 8 - Magnetic Coupling							
L	NdFeB 1.5" - Ceramic Can Only						
	Outer Magnet, Less Hub, Ceramic Can, 1.5"	7	CS/NdFeB		2752-410		1
	Inner Magnet, 1.5"	16	316SS/NdFeB		2625-370		1
M	NdFeB 2.0" - Ceramic Can Only						
	Outer Magnet, Less Hub, Ceramic Can, 2.0"	7	CS/NdFeB		2913-410		1
	Inner Magnet, 2.0"	16	316SS/NdFeB		2939-370		1
Q	SmCo 1.5" - Ceramic Can Only						
	Outer Magnet, Less Hub, Ceramic Can, 1.5"	7	CS/SmCo		2752-420		1
	Inner Magnet, 1.5"	16	316SS/SmCo		2625-380		1
R	SmCo 2.0" - Ceramic Can Only						
	Outer Magnet, Less Hub, Ceramic Can, 2.0"	7	CS/SmCo		2913-420		1
	Inner Magnet, 2.0"	16	316SS/SmCo		2939-380		1
Position 9 - Mounting							
0	Close Coupled (Select Motor Code in Pos. 10)						
1	Power Frame (Select "0" in Position 10)						
	Power Frame Assembly - Group I	99	Cl/Epoxy/Misc		2629-190		1
	Hub, Outer Magnet - 1-1/8" Bore (Power Frame)	15	Carbon Steel		2524-050		1
	Set Screw, Hub/Shaff (5/16-24 x 3/8 SHSS-CP)	57	18-8SS		2719-060		2
	Bolt, Power Frame/Bracket (3/8-16 x 1-1/4 SHCS)	56	18-8SS		2709-060		4

Consolidated Bill of Materials – Group I, AB (Continued)							
Code	Part Description	Ref Item #	Material	1.5x1x6	3x1.5x6	1.5x1x8	Qty
Position 10 - Motor Frame Size (If Close-Coupled Mounted)							
A	NEMA 56C Motor						
	Hub, Outer Magnet - 5/8" Bore	15	Carbon Steel		2607-050		1
	Set Screw, Hub/Motor Shaft (1/4-28 x 1/4 SHSS-CP)	57	316SS		2718-010		2
	Adapter, 56C-286TC, Group I	92	Al, Anodized		2555-070		1
	Bolt, Motor/Adapter (3/8-16 x 1-1/2 SHCS)	96	18-8SS		2818-060		4
B	NEMA 143/145TC Motor						
	Hub, Outer Magnet - 7/8" Bore	15	Carbon Steel		2554-050		1
	Set Screw, Hub/Motor Shaft (1/4-28 x 1/4 SHSS-CP)	57	316SS		2718-010		2
	Adapter, 56C-286TC, Group I	92	Al, Anodized		2555-070		1
	Bolt, Motor/Adapter (3/8-16 x 1-1/2 SHCS)	96	18-8SS		2818-060		4
C	NEMA 182/184TC Motor						
	Hub, Outer Magnet - 1-1/8" Bore	15	Carbon Steel		2553-050		1
	Set Screw, Hub/Motor Shaft (5/16-24 x 3/8 SHSS-CP)	57	18-8SS		2719-060		2
	Adapter, 56C-286TC, Group I	92	Al, Anodized		2555-070		1
	Bolt, Motor/Adapter (1/2-13 x 1 SHCS)	96	Carbon Steel		2708-050		4
D	NEMA 213/215TC Motor						
	Hub, Outer Magnet - 1-3/8" Bore	15	Carbon Steel		2514-050		1
	Set Screw, Hub/Motor Shaft (5/16-24 x 3/8 SHSS-CP)	57	18-8SS		2719-060		2
	Adapter, 56C-286TC, Group I	92	Al, Anodized		2555-070		1
	Bolt, Motor/Adapter (1/2-13 x 1 SHCS)	96	Carbon Steel		2708-050		4
E	NEMA 254/256TC Motor						
	Hub, Outer Magnet - 1-5/8" Bore	15	Carbon Steel		2891-050		1
	Set Screw, Hub/Motor Shaft (5/16-24 x 3/8 SHSS-CP)	57	18-8SS		2719-060		2
	Adapter, 56C-286TC, Group I	92	Al, Anodized		2555-070		1
	Adapter, 254/256TC, Group I	91	Al, Anodized		2890-070		1
	Bolt, Motor/Adapters (1/2-13 x 1-3/4 SHCS)	96	18-8SS		2935-060		4
F	NEMA 284/286TC Motor						
	Hub, Outer Magnet - 1-7/8" Bore	15	Carbon Steel		2515-050		1
	Set Screw, Hub/Motor Shaft (5/16-24 x 3/8 SHSS-CP)	57	18-8SS		2719-060		2
	Adapter, 56C-286TC, Group I	92	Al, Anodized		2555-070		1
	Adapter, 284/286TC, Group I	91	CS/Epoxy		2896-050		1
	Bolt, Adapter/Adapter (1/2-13 x 1-1/4 SHCS)	96	18-8SS		3153-060		4
	Bolt, Motor/Adapter (1/2-13 x 1-3/4 SHCS)	97	18-8SS		2935-060		4

Consolidated Bill of Materials – Group I, AB (Continued)							
Code	Part Description	Ref Item #	Material	1.5x1x6	3x1.5x6	1.5x1x8	Qty
Position 10 Continued - Motor Frame Size (If Close-Coupled Mounted)							
Q	IEC 71 Motor						
	Hub, Outer Magnet - 14 mm Bore	15	Carbon Steel		CF		1
	Set Screw, Hub/Motor Shaft (1/4-28 x 1/4 SHSS-CP)	57	316SS		2718-010		2
	Adapter, IEC 71, B5, Group I	92	CS/Epoxy		CF		1
	Bolt, Adapter to Motor	96	18-8SS		CF		4
	Nut, Adapter to Motor	102	18-8SS		CF		4
	Lock-Washer, Adapter to Motor	103	18-8SS		CF		4
R	IEC 80 Motor						
	Hub, Outer Magnet - 19 mm Bore	15	Carbon Steel		CF		1
	Set Screw, Hub/Motor Shaft (1/4-28 x 1/4 SHSS-CP)	57	316SS		2718-010		2
	Adapter, IEC 80, B5, Group I	92	CS/Epoxy		CF		1
	Bolt, Adapter to Motor	96	18-8SS		CF		4
	Nut, Adapter to Motor	102	18-8SS		CF		4
	Lock-Washer, Adapter to Motor	103	18-8SS		CF		4
S	IEC 90 Motor						
	Hub, Outer Magnet - 24 mm Bore	15	Carbon Steel		3296-050		1
	Set Screw, Hub/Motor Shaft (1/4-28 x 1/4 SHSS-CP)	57	316SS		2718-010		2
	Adapter, IEC 90, B5, Group I	92	CS/Epoxy		2590-050		1
	Bolt, Adapter to Motor (7/16-14 x 1 SHCS)	96	18-8SS		2535-060		4
T	IEC 100/112 Motor						
	Hub, Outer Magnet - 28 mm Bore	15	Carbon Steel		2552-050		1
	Set Screw, Hub/Motor Shaft (1/4-28 x 1/4 SHSS-CP)	57	316SS		2718-010		2
	Adapter, IEC 100/112, B5, Group I	92	Al, Anodized		2591-070		1
	Bolt, Adapter to Motor (1/2-13 x 1-1/4 SHCS)	96	18-8SS		3153-060		4

Consolidated Bill of Materials – Group I, AB (Continued)							
Code	Part Description	Ref Item #	Material	1.5x1x6	3x1.5x6	1.5x1x8	Qty
Position 10 Continued - Motor Frame Size (If Close-Coupled Mounted)							
U	IEC 132 Motor						
	Hub, Outer Magnet - 38 mm Bore	15	Carbon Steel		3589-050		1
	Set Screw, Hub/Motor Shaft (5/16-24 x 3/8 SHSS-CP)	57	18-8SS		2719-060		2
	Adapter, IEC 132, B5, Group I	92	Al, Anodized		3588-070		1
	Bolt, Adapter to Motor (1/2-13 x 1-1/2 SHCS)	96	18-8SS		2847-060		4
	Nut, Adapter to Motor (1/2-13 Hex)	102	18-8SS		2621-060		4
	Lock-Washer, Adapter to Motor (1/2)	103	18-8SS		2970-060		4
V	IEC 160 Motor						
	Hub, Outer Magnet - 42 mm Bore	15	Carbon Steel		3149-050		1
	Set Screw, Hub/Motor Shaft (5/16-24 x 3/8 SHSS-CP)	57	18-8SS		2719-060		2
	Adapter, IEC 160, B5, Group I	91	Al, Anodized		2893-070		1
	Adapter, 56C-286TC, Group I	92	Al, Anodized		2555-070		1
	Bolt, Adapter/Adapter (1/2-13 x 1 SHCS)	96	Carbon Steel		2708-050		4
	Bolt, Adapter to Motor (3/4-10 x 2-3/4 SHCS)	101	18-8SS		5298-060		4
	Nut, Adapter to Motor (3/4-10 Hex)	102	18-8SS		5299-060		4
	Lock-Washer, Adapter to Motor (3/4)	103	18-8SS		5297-060		4
W	IEC 180 Motor						
	Hub, Outer Magnet - 48 mm Bore	15	Carbon Steel		3151-050		1
	Set Screw, Hub/Motor Shaft (5/16-24 x 3/8 SHSS-CP)	57	18-8SS		2719-060		2
	Adapter, IEC 180, B5, Group I	92	CS/Epoxy		CF		1
	Bolt, Adapter to Motor	96	18-8SS		CF		4
	Nut, Adapter to Motor	102	18-8SS		CF		4
	Lock-Washer, Adapter to Motor	103	18-8SS		CF		4
0	Long-Coupled (Position 9 = 1)	—	—		—		—

Consolidated Bill of Materials – Group I, AB (Continued)							
Code	Part Description	Ref Item #	Material	1.5x1x6	3x1.5x6	1.5x1x8	Qty
Position 11 - Barrier Seal Face Material (Seal Components)							
1	Silicon Carbide						
	Mating Ring (Rotating Face)	1	Silicon Carbide		3030-110		1
	Primary Ring (Stationary Face)	2	Silicon Carbide		3031-110		1
	Seal Hardware Package	-	316SS		3032-010		1
Position 12 - Barrier Seal O-Rings (Elastomers)							
V	Viton						
	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, Retainer (2-152)	-	Viton		2937-220		1
	O-Ring, Impeller Nut (2-021)	72	Viton		2657-220		1
K	Kalrez 4079						
	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, Retainer (2-152)	-	Kalrez 4079		2937-240		1
	O-Ring, Impeller Nut (2-021)	72	Kalrez 4079		2657-240		1
Add-Ons							
-	Guard, Coupling, Group I (Motor/Power Frame)	-	304SS		2731-013		1
-	Base Plate #138E (38" x 15" x 3.4" Channel)	-	CS/Epoxy		3519-050		1
-	Base Plate #148 (48" x 15" x 3.4" Channel)	-	CS/Epoxy		3520-050		1
-	Motor Riser	-	CS/Epoxy		CF		2
-	Pump Riser	-	CS/Epoxy		CF		1
-	Power Frame Riser	-	CS/Epoxy		CF		1
-	PMP-25 Motor Load Control	-	Misc		3622-000		1