

<h1>Liquiflo Equipment Company</h1>	<b>Endura® Centrifugal Pumps</b> <b>Consolidated BOM: Group 1, MC</b>
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Drawing Item #	Part Description	Material	Part Numbers for Standard MC Models			Req.
			1.5 x 1 x 6	3 x 1.5 x 6	1.5 x 1 x 8	
1	Casing, ANSI 150# RF Flanges	316SS	3368-010	3370-010	3369-010	1
	Casing, ANSI 300# RF Flanges	316SS	3404-010	3405-010	3406-010	
	Casing, ANSI 300# RF Flanges, CL Mount	316SS	3095-010	3078-010	3416-010	
	Casing, ANSI 150# RF Flanges	Alloy-C	3368-020	3370-020	3369-020	
	Casing, ANSI 300# RF Flanges	Alloy-C	3404-020	3405-020	3406-020	
	Casing, ANSI 300# RF Flanges, CL Mount	Alloy-C	3095-020	3078-020	3416-020	
2	Impeller, Closed	316SS	2774-010	2776-010	2775-010	1
		Alloy-C	2774-020	2776-020	2775-020	
3	Nut, Impeller	316SS	2619-010	2619-010	2619-010	1
		Alloy-C	2619-020	2619-020	2619-020	
5	Bearing Housing, Standard	316SS	2503-010	2503-010	2503-010	1
		Alloy-C	2503-020	2503-020	2503-020	
6	Containment Shell, Metallic	316SS	2512-010	2512-010	2512-010	1
		Alloy-C	2512-020	2512-020	2512-020	
	Containment Shell, Ceramic	Zirconia (TTZ)	2951-140	2951-140	2951-140	
7	Outer Magnet, Metallic Shell, 1.0"	Carbon Steel/NdFeB	2740-410	2740-410	2740-410	1
	Outer Magnet, Metallic Shell, 1.5"	Carbon Steel/NdFeB	2734-410	2734-410	2734-410	
	Outer Magnet, Metallic Shell, 2.0"	Carbon Steel/NdFeB	3138-410	3138-410	3138-410	
	Outer Magnet, Metallic Shell, 1.0"	Carbon Steel/SmCo	2740-420	2740-420	2740-420	
	Outer Magnet, Metallic Shell, 1.5"	Carbon Steel/SmCo	2734-420	2734-420	2734-420	
	Outer Magnet, Metallic Shell, 2.0"	Carbon Steel/SmCo	3138-420	3138-420	3138-420	
	Outer Magnet, Ceramic Shell, 1.5"	Carbon Steel/NdFeB	2752-410	2752-410	2752-410	
	Outer Magnet, Ceramic Shell, 2.0"	Carbon Steel/NdFeB	2913-410	2913-410	2913-410	
	Outer Magnet, Ceramic Shell, 1.5"	Carbon Steel/SmCo	2752-420	2752-420	2752-420	
	Outer Magnet, Ceramic Shell, 2.0"	Carbon Steel/SmCo	2913-420	2913-420	2913-420	
8	Eyebolt	Carbon Steel/Epoxy	2620-050	2620-050	2620-050	1
9	Nut, Eyebolt	18-8SS	2621-060	2621-060	2621-060	1
10	Mounting Bracket, Standard	Ductile Iron/Epoxy	2589-190	2589-190	2589-190	1
15	Hub, Outer Magnet, NEMA 56C Motor	Carbon Steel	2607-050	2607-050	2607-050	1
	Hub, Outer Magnet, NEMA 143/145TC Motor	Carbon Steel	2554-050	2554-050	2554-050	
	Hub, Outer Magnet, NEMA 182/184TC Motor	Carbon Steel	2553-050	2553-050	2553-050	
	Hub, Outer Magnet, NEMA 213/215TC Motor	Carbon Steel	2514-050	2514-050	2514-050	
	Hub, Outer Magnet, NEMA 254/256TC Motor	Carbon Steel	2891-050	2891-050	2891-050	
	Hub, Outer Magnet, Power Frame	Carbon Steel	2524-050	2524-050	2524-050	

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			1.5 x 1 x 6	3 x 1.5 x 6	1.5 x 1 x 8	
16	Inner Magnet, 1.0"	316SS/NdFeB	2627-370	2627-370	2627-370	1
	Inner Magnet, 1.5"	316SS/NdFeB	2625-370	2625-370	2625-370	
	Inner Magnet, 2.0"	316SS/NdFeB	2939-370	2939-370	2939-370	
	Inner Magnet, 1.0"	316SS/SmCo	2627-380	2627-380	2627-380	
	Inner Magnet, 1.5"	316SS/SmCo	2625-380	2625-380	2625-380	
	Inner Magnet, 2.0"	316SS/SmCo	2939-380	2939-380	2939-380	
	Inner Magnet, 1.0"	Alloy-C/NdFeB	2627-390	2627-390	2627-390	
	Inner Magnet, 1.5"	Alloy-C/NdFeB	2625-390	2625-390	2625-390	
	Inner Magnet, 2.0"	Alloy-C/NdFeB	2939-390	2939-390	2939-390	
	Inner Magnet, 1.0"	Alloy-C/SmCo	2627-400	2627-400	2627-400	
	Inner Magnet, 1.5"	Alloy-C/SmCo	2625-400	2625-400	2625-400	
	Inner Magnet, 2.0"	Alloy-C/SmCo	2939-400	2939-400	2939-400	
17	Shaft	316SS	2504-010	2504-010	2504-010	1
		Alloy-C	2504-020	2504-020	2504-020	
18	Key, Impeller	316SS	2612-010	2612-010	2612-010	1
		Alloy-C	2612-020	2612-020	2612-020	
19	Key, Inner Magnet	316SS	2611-010	2611-010	2611-010	1
		Alloy-C	2611-020	2611-020	2611-020	
20	Drain Plug, 1/2" NPT	316SS	2730-010	2730-010	2730-010	1
		Alloy-C	2730-020	2730-020	2730-020	
22	Bearing, Thrust	Silicon Carbide	2502-110	2502-110	2502-110	2
23	Bearing, Radial (Stationary)	Silicon Carbide	2501-110	2501-110	2501-110	2
25	Pin, Sleeve Bearing	316SS	2772-010	2772-010	2772-010	4
		Alloy-C	2772-020	2772-020	2772-020	
30	Bearing, Sleeve (Rotating)	Silicon Carbide	2500-110	2500-110	2500-110	2
31	Pin, Thrust Bearing	316SS	2615-010	2615-010	2615-010	2
		Alloy-C	2615-020	2615-020	2615-020	
32	Tolerance Ring, Shaft	Alloy-C	2532-020	2532-020	2532-020	2
33	Tolerance Ring, Bearing Housing	Alloy-C	2531-020	2531-020	2531-020	2
34	Spacer (Bearings)	316SS	2520-010	2520-010	2520-010	1
		Alloy-C	2520-020	2520-020	2520-020	
46	Adapter, Casing (1.5 x 1 x 8 pump only)	316SS	X	X	2810-010	1
		Alloy-C	X	X	2810-020	

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			1.5 x 1 x 6	3 x 1.5 x 6	1.5 x 1 x 8	
49	Bolt, Metallic Shell (5/16-24 x 3/4 SHCS)	18-8SS	2713-060	2713-060	2713-060	8
	Bolt, Ceramic Shell (5/16-24 x 1 SHCS)	18-8SS	2714-060	2714-060	2714-060	
55	Bolt, Hub/Outer Magnet (#8-32 x 1/2 SHCS)	18-8SS	2771-060	2771-060	2771-060	8
56	Bolt, Bracket/Brg. Housing (3/8-16 x 1-1/4 SHCS)	18-8SS	2709-060	2709-060	2709-060	4
	Bolt, Motor Adapter/Bracket (3/8-16 x 1-1/4 SHCS)	18-8SS	2709-060	2709-060	2709-060	
	Bolt, Power Frame/Bracket (3/8-16 x 1-1/4 SHCS)	18-8SS	2709-060	2709-060	2709-060	
57	Set Screw, Hub/Shaft (5/16-24 x 3/8 SHSS-CP)	18-8SS	2719-060	2719-060	2719-060	2
58	Set Screw, Spacer/Shaft (1/4-28 x 1/4 SHSS-CP)	18-8SS	2718-060	2718-060	2718-060	1
60	Bolt, Bracket/Casing Adapter (3/8-24 x 1-3/4 SHCS)	18-8SS	X	X	2848-060	8
61	Bolt, Bracket/Casing (3/8-16 x 2 SHCS)	18-8SS	2773-060	2773-060	X	8
65	O-ring, Impeller Nut (2-021)	Teflon	2657-210	2657-210	2657-210	1
		Viton	2657-220	2657-220	2657-220	
		EPDM	2657-230	2657-230	2657-230	
		Kalrez 4079	2657-240	2657-240	2657-240	
		Kalrez 1050LF	2657-241	2657-241	2657-241	
70	O-ring, Casing (2-166 / 2-166 / 2-175)	Teflon	2661-210	2661-210	2662-210	1
		Viton	2661-220	2661-220	2662-220	
		EPDM	2661-230	2661-230	2662-230	
		Kalrez 4079	2661-240	2661-240	2662-240	
		Kalrez 1050LF	2661-241	2661-241	2662-241	
71	O-ring, Containment Shell (2-049)	Teflon	2660-210	2660-210	2660-210	1
		Viton	2660-220	2660-220	2660-220	
		EPDM	2660-230	2660-230	2660-230	
		Kalrez 4079	2660-240	2660-240	2660-240	
		Kalrez 1050LF	2660-241	2660-241	2660-241	
73	Flange, Ceramic Containment Shell	316SS	2779-010	2779-010	2779-010	1
74	O-ring, Flange Bumper, Ceramic Shell (2-159)	Teflon	2669-210	2669-210	2669-210	1
89	O-ring, Casing Adapter (2-166)	Teflon	X	X	2661-210	1
		Viton	X	X	2661-220	
		EPDM	X	X	2661-230	
		Kalrez 4079	X	X	2661-240	
		Kalrez 1050LF	X	X	2661-241	
90	Bolt, Casing Adapter/Casing (1/2-13 x 1-3/4 SHCS)	18-8SS	X	X	2935-060	8

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			1.5 x 1 x 6	3 x 1.5 x 6	1.5 x 1 x 8	
<b>Motor Adapter(s) &amp; Bolts: (Close-Coupled Configuration)</b>						
92	Adapter, NEMA 143TC thru 215TC Motors	Carbon Steel/Epoxy	2555-050	2555-050	2555-050	1
91 & 92	Adapters, NEMA 254/256TC Motors	Carbon Steel/Epoxy	2890/2555-050	2890/2555-050	2890/2555-050	1 each
96	Bolt, 143-215TC Adapter (1/2-13 x 1 SHCS)	Carbon Steel	2708-050	2708-050	2708-050	4
	Bolt, 254/256TC Adapters (1/2-13 x 1-3/4 SHCS)	18-8SS	2935-060	2935-060	2935-060	
<b>Power Frame &amp; Parts: (Long-Coupled Configuration)</b>						
---	Power Frame Assembly - Group 1	Ductile Iron/Epoxy/Misc.	2629-190	2629-190	2629-190	1
---	Housing, Power Frame	Ductile Iron/Epoxy	2526-190	2526-190	2526-190	1
---	Shaft, Power Frame	Carbon Steel	2523-050	2523-050	2523-050	1
---	Ball Bearing	Carbon Steel	2673-050	2673-050	2673-050	2
---	Key, Hub, Outer Magnet	Carbon Steel	2614-050	2614-050	2614-050	1
---	Key, Mechanical Coupling	Carbon Steel	2613-050	2613-050	2613-050	1
---	Seal (Coupling & Magnet Ends)	Nitrile	2671-180	2671-180	2671-180	2
---	Cover (Coupling End)	Carbon Steel	2525-050	2525-050	2525-050	1
---	Breather, 1/8" NPT	Carbon Steel	2674-050	2674-050	2674-050	1
---	Sight Glass, 3/8" NPT	Carbon Steel	3219-050	3219-050	3219-050	1
---	O-ring, Cover (2-041)	Viton	2658-220	2658-220	2658-220	1
---	Bolt, Cover (1/4-28 x 3/8 SHCS)	18-8SS	2716-060	2716-060	2716-060	4
---	Plug, 1/2" NPT (Hex Head)	Carbon Steel	2730-050	2730-050	2730-050	1
---	Bolt, Base Mounting (1/2-13 x 1 SHCS)	Carbon Steel	2708-050	2708-050	2708-050	1
<b>Risers:</b>						
---	Motor Riser, NEMA 56/56C Frames	Carbon Steel/Epoxy	2999-050	2999-050	2999-050	2
	Motor Riser, NEMA 143T/143TC Frames	Carbon Steel/Epoxy	3198-050	3198-050	3198-050	
	Motor Riser, NEMA 145T/145TC Frames	Carbon Steel/Epoxy	3199-050	3199-050	3199-050	
	Motor Riser, NEMA 182T/182TC Frames	Carbon Steel/Epoxy	3054-050	3054-050	3054-050	
	Motor Riser, NEMA 184T/184TC Frames	Carbon Steel/Epoxy	3001-050	3001-050	3001-050	
---	No Riser Required for NEMA 213T/213TC Frames	---	X	X	X	---
---	No Riser Required for NEMA 215T/215TC Frames	---	X	X	X	---
---	Pump Riser, NEMA 254T/254TC Frames	Carbon Steel/Epoxy	2993-050	2993-050	2993-050	1
	Pump Riser, NEMA 256T/256TC Frames	Carbon Steel/Epoxy	2993-050	2993-050	2993-050	
---	Power Frame Riser, NEMA 254T/254TC Frames	Carbon Steel/Epoxy	3189-050	3189-050	3189-050	1
	Power Frame Riser, NEMA 256T/256TC Frames	Carbon Steel/Epoxy	3189-050	3189-050	3189-050	

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			1.5 x 1 x 6	3 x 1.5 x 6	1.5 x 1 x 8	
<b>Thermal Insulators:</b>						
---	Insulator Pad, Casing & Motor Feet	Promat-H	3089-530	3089-530	3089-530	6
---	Insulator, 213/215TC Motor	Promat-H	3090-530	3090-530	3090-530	1
---	Adapter, 213/215TC Motor (use with above Insulator)	Carbon Steel/Epoxy	3091-050	3091-050	3091-050	1
<b>Mechanical Coupling: (Long-Coupled Configuration)</b>						
---	Coupling Flange, 6SC, Power Frame (7/8" Bore)	Cast Iron	CF	CF	CF	1
	Coupling Flange, 7SC, Power Frame (7/8" Bore)	Cast Iron	CF	CF	CF	
---	Coupling Flange, 6SC, 56 Motor (5/8" Bore)	Cast Iron	CF	CF	CF	1
	Coupling Flange, 6SC, 143/145T Motor (7/8" Bore)	Cast Iron	CF	CF	CF	
	Coupling Flange, 6SC, 182/184T Motor (1-1/8" Bore)	Cast Iron	CF	CF	CF	
	Coupling Flange, 6SC, 213/215T Motor (1-3/8" Bore)	Cast Iron	CF	CF	CF	
	Coupling Flange, 7SC, 254/256T Motor (1-5/8" Bore)	Cast Iron	CF	CF	CF	
---	Coupling Sleeve, 6SC	EPDM	CF	CF	CF	1
		Hytrel	CF	CF	CF	
	Coupling Sleeve, 7SC	EPDM	CF	CF	CF	
		Hytrel	CF	CF	CF	
<b>Coupling Guard: (Long-Coupled Configuration)</b>						
---	Coupling Guard (Motor/Power Frame)	303SS	3070-015	3070-015	3070-015	1
<b>Base Plate:</b>						
---	Base Plate #138E (38" x 15" x 3.4" Channel)	Carbon Steel/Epoxy	3519-050	3519-050	3519-050	1
	Base Plate #148 (48" x 15" x 3.4" Channel)	Carbon Steel/Epoxy	3520-050	3520-050	3520-050	
<b>Power Monitor:</b>						
---	EARS 1-3 Power Sensor (Three-Phase Power)	Miscellaneous	3239-000	3239-000	3239-000	1

CF = Consult Factory  
X = Not Required

Reference Sectional Drawing: 

<b>E3502CC</b>	<b>E3506CC</b>
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