

Liquiflo Equipment Company

Endura® Centrifugal Pumps Consolidated BOM: Group 2, AB

| Drawing Item # | Part Description | Material | Part #s for AB Model | Req. |
|----------------------------|---|--------------------|----------------------|------|
| | | | 3 x 2 x 8 | |
| 1 | Casing, ANSI 150# RF Flanges | 316SS | 5242-010 | 1 |
| | Casing, ANSI 300# RF Flanges | 316SS | CF | |
| | Casing, ANSI 300# RF Flanges, CL Mount | 316SS | CF | |
| 2 | Impeller, Open | 316SS | 5068-010 | 1 |
| 3 | Nut, Impeller | 316SS | 2610-010 | 1 |
| 4 | Cover, Casing | 316SS | 5135-010 | 1 |
| 5 | Bearing Housing, Standard | 316SS | 5395-010 | 1 |
| 6 | Containment Shell, Ceramic | Zirconia (TTZ) | 5014-140 | 1 |
| 7 | Outer Magnet, Ceramic Shell, 2" | Carbon Steel/NdFeB | 5112-410 | 1 |
| | Outer Magnet, Ceramic Shell, 3" | Carbon Steel/NdFeB | 5114-410 | |
| | Outer Magnet, Ceramic Shell, 2" | Carbon Steel/SmCo | 5112-420 | |
| | Outer Magnet, Ceramic Shell, 3" | Carbon Steel/SmCo | 5114-420 | |
| 8 | Eyebolt | Carbon Steel/Epoxy | 2620-050 | 2 |
| 9 | Nut, Eyebolt | 18-8SS | 2621-060 | 2 |
| 10 | Mounting Bracket: | | | |
| | Bracket, 182/184TC, 284/286TSC Motors & Power Frame | Carbon Steel/Epoxy | 5035-050 | 1 |
| | Bracket, 213/215TC Motors | Carbon Steel/Epoxy | 5196-050 | |
| | Bracket, 254/256TC Motors | Carbon Steel/Epoxy | 5197-050 | |
| | Bracket, 284/286TC Motors | Carbon Steel/Epoxy | 5198-050 | |
| | Bracket, 324/326TC Motors | Carbon Steel/Epoxy | 5199-050 | |
| Bracket, 324/326TSC Motors | Carbon Steel/Epoxy | 5202-050 | | |
| 15 | Adapter, Taper Lock | Carbon Steel | 5172-050 | 1 |
| 16 | Inner Magnet, 2" | 316SS/NdFeB | 5230-370 | 1 |
| | Inner Magnet, 3" | 316SS/NdFeB | 5110-370 | |
| | Inner Magnet, 2" | 316SS/SmCo | 5230-380 | |
| | Inner Magnet, 3" | 316SS/SmCo | 5110-380 | |
| 17 | Shaft | 303SS | 5013-015 | 1 |
| 18 | Key, Impeller | 316SS | 5343-010 | 1 |
| 19 | Key, Inner Magnet | 316SS | 5046-010 | 1 |
| 20 | Drain Plug, 1/2" NPT | 316SS | 2730-010 | 1 |

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| | | | 3 x 2 x 8 | |
| 21 | Bushing, Taper Lock - 1-1/8" Shaft | Carbon Steel | 5246-050 | 1 |
| | Bushing, Taper Lock - 1-3/8" Shaft | Carbon Steel | 5210-050 | |
| | Bushing, Taper Lock - 1-5/8" Shaft | Carbon Steel | 5171-050 | |
| | Bushing, Taper Lock - 1-7/8" Shaft | Carbon Steel | 5228-050 | |
| | Bushing, Taper Lock - 2-1/8" Shaft | Carbon Steel | 5467-050 | |
| 22 | Ball Bearing, Thrust | Carbon Steel | 5026-050 | 2 |
| 23 | Ball Bearing, Radial, Standard | Carbon Steel | 5024-050 | 1 |
| 24 | O-ring, Module/Bearing Housing (2-243) | Viton | 5064-220 | 1 |
| | | EPDM | 5064-230 | |
| | | Kalrez 4079 | 5064-240 | |
| | | Kalrez 1050LF | 5064-241 | |
| 25 | Lock Nut, Inner Magnet | 316SS | 5033-010 | 1 |
| 31 | Labyrinth Ring, Radial Bearing (Grease Retainer) | Carbon Steel | 5027-050 | 1 |
| 35 | Spacer, Impeller | 316SS | 5183-010 | 1 |
| 38 | Air Barrier Seal & Parts: | | | |
| | Seal Assembly with Elastomer O-rings | 316SS/SiC/SiC/Viton | 5426-151 | 1 |
| | | 316SS/SiC/SiC/EPDM | 5426-152 | |
| | | 316SS/SiC/SiC/Kalrez4079 | 5426-153 | |
| | | 316SS/SiC/SiC/Kalrez1050LF | 5426-154 | |
| | Seal Face, Stationary | Silicon Carbide | 3031-110 | 1 |
| | Mating Ring, Rotating | Silicon Carbide | 3030-110 | 1 |
| | Hardware Package | 316SS | 5181-010 | 1 |
| | O-ring Package (Contains 5 O-rings) | Viton | 5182-220 | 1 |
| | | EPDM | 5182-230 | |
| Kalrez 4079 | | 5182-240 | | |
| Kalrez 1050LF | | 5182-241 | | |
| 39 | Nilos Ring, Thrust Bearing (Grease Retainer) | Carbon Steel | 5029-050 | 2 |
| 40 | Spacer, Inner Magnet | 316SS | 5391-010 | 1 |

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| | | | 3 x 2 x 8 | |
| 41 | Bearing Preload Cap (Bearing Cover) | 316SS | 5392-010 | 1 |
| 46 | Bolt, Lock Nut, Inner Magnet (1/4-28 x 3/4 SHCS) | 18-8SS | 5103-060 | 1 |
| 49 | Bolt, Containment Shell (3/8-24 x 1-1/2 SHCS) | 18-8SS | 5090-060 | 8 |
| 51 | Spring, Thrust Bearing Preload (Wave Spring) | 17-7PHSS | 3420-010 | 1 |
| 55 | Bolt, Bearing Preload Cap (#10-32 x 1/2 SHCS) | 18-8SS | 2715-060 | 8 |
| 56 | Bolt, Bracket/Casing Cover (1/2-13 x 1-1/2 SHCS) | 18-8SS | 2847-060 | 4 |
| 57 | Set Screw, Seal Retainer (1/4-28 x 3/8 SHSS-HD) | 18-8SS | 5089-060 | 1 |
| 58 | Pin, Anti-Rotation, Bearing Housing | 316SS | 5216-010 | 1 |
| 61 | Bolt, Casing Cover/Casing (5/8-11 x 1-1/4 SHCS) | 18-8SS | 5173-060 | 8 |
| 65 | O-ring, Impeller Nut (2-027) | Teflon | 5063-210 | 1 |
| | | Viton | 5063-220 | |
| | | EPDM | 5063-230 | |
| | | Kalrez 4079 | 5063-240 | |
| | | Kalrez 1050LF | 5063-241 | |
| 71 | O-ring, Containment Shell (2-165) | Teflon | 5087-210 | 1 |
| | | Viton | 5087-220 | |
| | | EPDM | 5087-230 | |
| | | Kalrez 4079 | 5087-240 | |
| | | Kalrez 1050LF | 5087-241 | |
| 72 | Gasket, Casing | Teflon | 5169-210 | 1 |
| 73 | Flange, Containment Shell | 304SS | 5015-013 | 1 |
| 74 | O-ring, Flange Bumper, Ceramic Shell (2-167) | Teflon | 2883-210 | 1 |
| 92 | Bolt, Lock Nut, Bearing Housing (5/16-24 x 1 SHCS) | 18-8SS | 2714-050 | 1 |
| 95 | Set Screw, Bushing, Outer Magnet (1/2-20 x 1 SHSS) | 18-8SS | Included with Item #21 | 2 |
| 98 | Lock Nut, Bearing Housing | 316SS | 5034-010 | 1 |
| 99 | Bolt, Motor Adapter/Bracket (1/2-13 x 1-1/4 SHCS) | 18-8SS | 3153-060 | 4 |
| | Bolt, Power Frame/Bracket (1/2-13 x 1-1/4 SHCS) | 18-8SS | 3153-060 | |

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| | | | 3 x 2 x 8 | |
| Power Frame & Parts: (Long-Coupled Configuration) | | | | |
| --- | Power Frame Assembly - Group 2 | Ductile Iron/Epoxy/Misc. | 5194-190 | 1 |
| 50 | Bolt, Foot (1/2-13 x 1 SHCS) | Carbon Steel | 2708-050 | 2 |
| 59 | Foot, Power Frame | Ductile Iron/Epoxy | 5152-190 | 1 |
| 70 | Cover, Front Bearing | Carbon Steel/Epoxy | 5153-050 | 1 |
| 75 | Housing, Power Frame | Ductile Iron/Epoxy | 5151-190 | 1 |
| 76 | Shaft, Power Frame | Carbon Steel | 5160-050 | 1 |
| 77 | Ball Bearing, Front | Carbon Steel | 5156-050 | 1 |
| 78 | Key, Outer Magnet | Carbon Steel | 5164-050 | 1 |
| 79 | Key, Mechanical Coupling | Carbon Steel | 5165-050 | 1 |
| 80 | Seal, Front Bearing | Nitrile | 2671-180 | 1 |
| 81 | Cover, Back Bearing | Carbon Steel/Epoxy | 5154-050 | 1 |
| 82 | Breather, 1/4" NPT | Carbon Steel | 5274-050 | 1 |
| 83 | Sight Glass, 1" NPT | Carbon Steel | 3056-050 | 1 |
| 84 | O-ring, Front Cover (2-042) | Viton | 2665-220 | 1 |
| 85 | Bolt, Cover/Housing (1/4-28 x 3/8 SHCS) | 18-8SS | 2716-060 | 8 |
| 86 | Ball Bearing, Back | Carbon Steel | 5157-050 | 1 |
| 87 | Spring, Back Bearing | Carbon Steel | 5455-050 | 1 |
| 88 | O-ring, Back Cover (2-047) | Buna-N | 5155-250 | 1 |
| 90 | Seal, Back Bearing | Buna-N | 5158-250 | 1 |
| --- | Plug, 1/4" NPT (Hex Head) | 316SS | 2793-010 | 2 |
| Motor Adapter: (Close-Coupled Configuration) | | | | |
| --- | Adapter, NEMA 182TC-256TC Motors | Carbon Steel/Epoxy | 5195-050 | 1 |
| --- | Adapter, NEMA 284/286TC & 284/286TSC Motors | Carbon Steel/Epoxy | 5203-050 | |
| --- | Adapter, NEMA 324/326TC & 324/326TSC Motors | Carbon Steel/Epoxy | 5234-050 | |
| Motor Adapter Bolts: (Close-Coupled Configuration) | | | | |
| --- | Bolt, 182TC-256TC (1/2-13 x 1-1/2 FH-SHCS) | Carbon Steel | 3415-050 | 4 |
| --- | Bolt, 284/286TC/TSC (1/2-13 x 1-1/4 SHCS) | 18-8SS | 3153-060 | |
| --- | Bolt, 324/326TC/TSC (5/8-11 x 2 SHCS) | 18-8SS | 5337-060 | |

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| | | | 3 x 2 x 8 | |
| Gas Panel: | | | | |
| --- | Gas Panel with No Pressure Switch | Miscellaneous | 3251-000 | 1 |
| | Gas Panel with Standard Pressure Switch | Miscellaneous | 3252-000 | |
| | Gas Panel with Explosion-Proof Pressure Switch | Miscellaneous | 3253-000 | |
| Risers: | | | | |
| --- | Motor Riser, NEMA 182T/TC Frames | Carbon Steel/Epoxy | CF | 2 |
| | Motor Riser, NEMA 184T/TC Frames | Carbon Steel/Epoxy | CF | |
| | Motor Riser, NEMA 213T/TC Frames | Carbon Steel/Epoxy | CF | |
| | Motor Riser, NEMA 215T/TC Frames | Carbon Steel/Epoxy | CF | |
| | Motor Riser, NEMA 254T/TC Frames | Carbon Steel/Epoxy | CF | |
| | Motor Riser, NEMA 256T/TC Frames | Carbon Steel/Epoxy | CF | |
| | Motor Riser, NEMA 284T/TC/TS/TSC Frames | Carbon Steel/Epoxy | CF | |
| | Motor Riser, NEMA 286T/TC/TS/TSC Frames | Carbon Steel/Epoxy | CF | |
| | Motor Riser, NEMA 324T/TC/TS/TSC Frames | Carbon Steel/Epoxy | CF | |
| | Motor Riser, NEMA 326T/TC/TS/TSC Frames | Carbon Steel/Epoxy | CF | |
| Mechanical Coupling: (Long-Coupled Configuration) | | | | |
| --- | Coupling Flange, 6SC, Power Frame (1-1/8" Bore) | Cast Iron | CF | 1 |
| | Coupling Flange, 7SC, Power Frame (1-1/8" Bore) | Cast Iron | CF | |
| | Coupling Flange, 8SC, Power Frame (1-1/8" Bore) | Cast Iron | CF | |
| --- | Coupling Flange, 6SC, 182/184T Motors (1-1/8" Bore) | Cast Iron | CF | 1 |
| | Coupling Flange, 6SC, 213/215T Motors (1-3/8" Bore) | Cast Iron | CF | |
| | Coupling Flange, 7SC, 254/256T Motors (1-5/8" Bore) | Cast Iron | CF | |
| | Coupling Flange, 7SC, 284/286TS Motors (1-5/8" Bore) | Cast Iron | CF | |
| | Coupling Flange, 8SC, 284/286T Motors (1-7/8" Bore) | Cast Iron | CF | |
| | Coupling Flange, 8SC, 324/326TS Motors (1-7/8" Bore) | Cast Iron | CF | |
| | Coupling Flange, 8SC, 324/326T Motors (2-1/8" Bore) | Cast Iron | CF | |
| --- | Coupling Sleeve, 6SC | EPDM | CF | 1 |
| | | Hytrel | CF | |
| | Coupling Sleeve, 7SC | EPDM | CF | |
| | | Hytrel | CF | |
| | Coupling Sleeve, 8SC | EPDM | CF | |
| | | Hytrel | CF | |

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| <h1>Liquiflo Equipment Company</h1> | <h2>Endura® Centrifugal Pumps Consolidated BOM: Group 2, AB</h2> |
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| | | | 3 x 2 x 8 | |
| Coupling Guard: (Long-Coupled Configuration) | | | | |
| --- | Guard, Coupling (Motor/Power Frame) | 316SS | 5345-010 | 1 |
| Bracket Guard: | | | | |
| --- | Guard, Mounting Bracket | 304SS | 5386-013 | 1 |
| Base Plate: | | | | |
| --- | Base Plate #254E (54" x 18" x 4" Channel) | Carbon Steel/Epoxy | 3527-050 | 1 |
| | Base Plate #264 (64" x 18" x 4" Channel) | Carbon Steel/Epoxy | 3528-050 | |
| Power Monitor: | | | | |
| --- | EARS 1-3 Power Sensor (Three-Phase Power) | Miscellaneous | 3239-000 | 1 |

CF = Consult Factory
 X = Not Required

Reference Sectional Drawing: E5474PF