



| Item No. | Name of Part | Item No. | Name of Part |
|----------|---------------------------|----------|--|
| 1 | Casing | 29 | Lantern Ring |
| * 2 | Impeller | * 32 | Impeller Key |
| ‡ 8 | Impeller Ring (Not Shown) | 40 | Deflector (Liquid) |
| 9 | Suction Cover | 63 | Stuffing Box Bushing |
| * 13 | Packing | † 65 | Mechanical Shaft Seal (Stationary Element) |
| * 14 | Shaft Sleeve | 68 | Seal Sleeve |
| 17 | Stuffing Box Gland | * 73 | Casing Gasket |
| 17A | Seal Cap | 73D | Seal Cap Gasket |
| * 25 | Suction Cover Ring | † 80 | Mechanical Shaft Seal (Rotating Element) |
| * 26 | Impeller Screw | | |
| * 28 | Impeller Screw Washer | | |

† Furnished only in Pairs as complete units

* For domestic service we recommend these parts be carried in stock as spares
NOTE: All pumps have a maximum working pressure - 126 PSIG

* Recommended Spare Parts

Repair Parts

| Split Cases | End Suctions | | Key Description |
|-------------|---------------------|-------------------------|-------------------------------|
| | (310) Shaft Group 1 | | Only 1 Key on BOM |
| | (310) Shaft Group 2 | | Only 1 Key on BOM |
| | (500) 2BA-67 | | Only 1 Key on BOM |
| | (500) 4BA-67 | | Only 1 Key on BOM |
| | | Impeller Key p/n | |
| 1SC | | Q21-25-J8 | KEY, .25 x .25 x 3.03", 303SS |
| 2SC | | Q21-23-J8 | KEY, .31 x .31 x 3.53", 303SS |
| 3SC | | Q21-22-J8 | KEY, .31 x .31 x 3.65", 303SS |
| 4SC | | Q21-37-J8 | KEY, .50 x .50 x 5.13", 303SS |
| 5SC | | Q21-52-J8 | KEY, .50 x .50 x 6.69", 303SS |
| 6SC | | Q21-47-J8 | KEY, .50 x .50 x 4.75", 303SS |

| Shaft Group 1 | | 1G | 1.5G | Qty |
|---------------------------------|----------------------------------|--------------|--------------|-----|
| MECHANICAL SEAL | | | | |
| 17A | Seal Cap (Iron) | A7393-1-A2 | A7393-1-A2 | 1 |
| 73D | Seal Cap Gasket (Cellulose) | A7424-L13 | A7424-L13 | 1 |
| 65 & 80 | Mechanical Seal - STD | Q26-395-Y34 | Q26-395-Y34 | 1 |
| 65 & 80 | Mechanical Seal - Hot Water | Q26-395-Y6 | Q26-395-Y6 | 1 |
| 68 | Seal Sleeve (Spacer)(18.8 SS) | A8493-C9-J10 | A8493-C9-J10 | 1 |
| - | Male Elbow - .25 x .25 (Brass) | Q30-11-C2 | Q30-11-C2 | 1 |
| - | Male Elbow - .25 x .25 (Steel) | Q30-11-E4 | Q30-11-E4 | 1 |
| - | Male Elbow - .125 x .25 (Brass) | Q30-16-C2 | Q30-16-C2 | 1 |
| - | Male Elbow - .125 x .25 (Steel) | Q30-16-E4 | Q30-16-E4 | 1 |
| BALANCED MECHANICAL SEAL | | | | |
| 14 | Shaft Sleeve (BRZ) | A5782-C9 | A5782-C9 | 1 |
| | Shaft Sleeve (416 SS) | A5782-J2 | A5782-J2 | 1 |
| | Shaft Sleeve 316 SS) | A5782-J4 | A5782-J4 | 1 |
| 14 | Step Shaft Sleeve (BRZ) | A7443-C9 | A7443-C9 | 1 |
| 17A | Seal Cap (Iron) | A7393-1-A2 | A7393-1-A2 | 1 |
| 73D | Seal Cap Gasket (Cellulose) | A7424-L13 | A7424-L13 | 1 |
| 65 & 80 | Balanced Mech. Seal - STD | Q26-318-Y34 | Q26-318-Y34 | 1 |
| 65 & 80 | Balanced Mech. Seal - Tung. Car. | Q26-318-Y17 | Q26-318-Y17 | 1 |
| - | Step Sleeve O-ring (Rubber) | Q41-32-K9 | Q41-32-K9 | 1 |
| - | Tubing - Copper | Q30-6-C6TF | Q30-6-C6TF | 1 |
| - | Tubing Steel (All Iron Pump) | Q30-6-E6 | Q30-6-E6 | 12" |
| 32 | Impeller Key (303 SS) | A7356-J8 | A7356-J8 | 1 |
| - | Male Elbow - .25 x .25 (Brass) | Q30-11-C2 | Q30-11-C2 | 1 |
| - | Male Elbow - .25 x .25 (Steel) | Q30-11-E4 | Q30-11-E4 | 1 |
| - | Male Elbow - .125 x .25 (Brass) | Q30-16-C2 | Q30-16-C2 | 1 |
| - | Male Elbow - .125 x .25 (Steel) | Q30-16-E4 | Q30-16-E4 | 1 |

| Shaft Group 1 | | 1G | 1.5G | Qty |
|----------------|-----------------------------------|---------------------|---------------------|--------|
| 2 | Impeller (BRZ) | 2916-1-B12 | B70-13-B12 | 1 |
| 25 | Suction Cover Ring (BRZ) | A6470-C9 | A6808-C9 | 1 |
| | Suction Cover Ring (Iron) | A6470-A2 | A6808-A2 | 1 |
| - | Double Wear Rings (BRZ) | A6604-C9 & A6605-C9 | A7019-C9 & A7020-C9 | 1 each |
| | Double Wear Rings (Iron) | A6604-A2 & A6605-A2 | A7019-A2 & A7020-A2 | |
| 2 | Impeller (BRZ) | N/A | 2897-1-B12 | 1 |
| 25 | Suction Cover Ring | N/A | N/A | 1 |
| - | Double Wear Rings (BRZ) | N/A | A6808-C9 & A7251-C9 | 1 each |
| | Double Wear Rings (Iron) | N/A | A6808-A2 & A7251-A2 | |
| 1 | Casing - 125# | 1G-125 | 1.5G-125 | 1 |
| | Casing (Iron) | C3872-20-A2 | C3887-20-A2 | 1 |
| | Plugs | 04236 | 04236 | 6 |
| 73 | Case Gasket - 125# (Cellulose) | A6345-L13 | A6345-L13 | 1 |
| 9 | Suction Cover - 125# (Iron) | C3873-10-1-A2 | C7014-A2 | 1 |
| 1 | Casing - 250# | 1G-250D | 1.5G-250D | 1 |
| | Casing (DI) | C3872-21-A12 | C3887-21-A12 | 1 |
| | Plugs | 04236 | 04236 | 6 |
| 73 | Case Gasket - 250# (Cellulose) | A7444-L13 | A7444-L13 | 1 |
| 9 | Suction Cover - 250# (DI) | C3873-12-A12 | C7014-10-A12 | 1 |
| 14 | Shaft Sleeve (BRZ) | A5204-C9 | A5204-C9 | 1 |
| | Shaft Sleeve (316 SS) | A5204-J4 | A5204-J4 | 1 |
| 26 | Impeller Screw (302 SS) | Q60-2-J3 | Q60-2-J3 | 1 |
| 28 | Impeller Screw Washer (302 SS) | A5090-J3 | A5090-J3 | 1 |
| 32 | Impeller Key (303 SS) | Q21-4-J8 | Q21-4-J8 | 1 |
| 71 | Adapter - JP Frame (Iron) | C5522-A2 | C5522-A2 | 1 |
| 71 | Adapter - TCZ Frame (Iron) | C5523-A2 | C5523-A2 | 1 |
| - | Tubing - Black Impolene | Q30-6-V6TF | Q30-6-V6TF | 1 |
| - | Vent Cock (Brass) | Q24-1-C2 | Q24-1-C2 | 1 |
| | Vent Cock (Steel) | Q24-1-E4 | Q24-1-E4 | 1 |
| PACKING | | | | |
| 13 | Packing | Q27-60-M2 | Q27-60-M2 | 1 |
| 17 | Stuffing Box Gland (Brass) | A3942-5-B5 | A3942-5-B5 | 1 |
| | Stuffing Box Gland (Iron) | A3942-5-A2 | A3942-5-A2 | 1 |
| 17 | Gland Stud (Brass) | Q17-12-C2 | Q17-12-C2 | 2 |
| | Gland Stud (SAE Grade 5) | Q17-12-E26 | Q17-12-E26 | 2 |
| 17 | Gland Nut (Brass) | Q18-8-C2 | Q18-8-C2 | 2 |
| | Gland Nut (316 SS) | Q18-8-J4 | Q18-8-J4 | 2 |
| 17 | Gland Washer (Steel) | Q20-3-E4 | Q20-3-E4 | 2 |
| 29 | Lantern Ring (Seal Cage) (Teflon) | A5086-V2 | A5086-V2 | 1 |
| 63 | Stuffing Box Bushing (416 SS) | A7492-J2 | A7492-J2 | 1 |
| - | Male Elbow - .25 x .25 (Brass) | Q30-11-C2 | Q30-11-C2 | 2 |
| | Male Elbow - .25 x .25 (Steel) | Q30-11-E4 | Q30-11-E4 | 2 |

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| Shaft Group 1 | | 1.5GT | 1.5K | Qty |
|---------------------------------|---|--------------|--------------|-----|
| MECHANICAL SEAL | | | | |
| 17A | Seal Cap (Iron) | A7393-1-A2 | A7393-1-A2 | 1 |
| 73D | Seal Cap Gasket (Cellulose) | A7424-L13 | A7424-L13 | 1 |
| 65 & 80 | Mechanical Seal - STD | Q26-395-Y34 | Q26-395-Y34 | 1 |
| 65 & 80 | Mechanical Seal - Hot Water | Q26-395-Y6 | Q26-395-Y6 | 1 |
| 68 | Seal Sleeve (Spacer) (18.8 SS) | A8493-C9-J10 | A8493-C9-J10 | 1 |
| - | Male Elbow - .25 x .25 (Brass) | Q30-11-C2 | Q30-11-C2 | 1 |
| - | Male Elbow - .25 x .25 (Steel) | Q30-11-E4 | Q30-11-E4 | |
| - | Male Elbow - .125 x .25 (Brass) | Q30-16-C2 | Q30-16-C2 | 1 |
| - | Male Elbow - .125 x .25 (Steel) | Q30-16-E4 | Q30-16-E4 | |
| BALANCED MECHANICAL SEAL | | | | |
| 14 | Shaft Sleeve (BRZ) Shaft Sleeve (416 SS) Shaft Sleeve 316 SS) | A5782-C9 | A5782-C9 | 1 |
| | | A5782-J2 | A5782-J2 | |
| | | A5782-J4 | A5782-J4 | |
| 14 | Step Shaft Sleeve (BRZ) | A7443-C9 | A7443-C9 | 1 |
| 17A | Seal Cap (Iron) | A7393-1-A2 | A7393-1-A2 | 1 |
| 73D | Seal Cap Gasket (Cellulose) | A7424-L13 | A7424-L13 | 1 |
| 65 & 80 | Balanced Mech. Seal - STD | Q26-318-Y34 | Q26-318-Y34 | 1 |
| 65 & 80 | Balanced Mech. Seal - Tung. Car. | Q26-318-Y17 | Q26-318-Y17 | 1 |
| - | Step Sleeve O-ring (Rubber) | Q41-32-K9 | Q41-32-K9 | 1 |
| - | Tubing - Copper | Q30-6-C6TF | Q30-6-C6TF | 1 |
| - | Tubing Steel (All Iron Pump) | Q30-6-E6 | Q30-6-E6 | 12" |
| 32 | Impeller Key (303 SS) | A7356-J8 | A7356-J8 | 1 |
| - | Male Elbow - .25 x .25 (Brass) | Q30-11-C2 | Q30-11-C2 | 1 |
| - | Male Elbow - .25 x .25 (Steel) | Q30-11-E4 | Q30-11-E4 | |
| - | Male Elbow - .125 x .25 (Brass) | Q30-16-C2 | Q30-16-C2 | 1 |
| - | Male Elbow - .125 x .25 (Steel) | Q30-16-E4 | Q30-16-E4 | |

| Shaft Group 1 | | 1.5GT | 1.5K | Qty |
|----------------|--|--------------|---------------------|--------|
| 2 | Impeller (BRZ) | B7233-B12 | C6390-B12 | 1 |
| 25 | Suction Cover Ring (BRZ) Suction Cover Ring (Iron) | A6809-C9 | A6809-C9 | 1 |
| | | A6809-A2 | A6809-E4 | |
| - | Double Wear Rings (BRZ) Double Wear Rings (Iron) | N/A | A6610-C9 & A6611-C9 | 1 each |
| | | N/A | A6610-A2 & A6611-A2 | |
| 2 | Impeller (BRZ) | N/A | C8457-B12 | 1 |
| 25 | Suction Cover Ring (BRZ) Suction Cover Ring (Iron) | N/A | A7277-C9 | 1 |
| | | | A7277-A2 | |
| - | Double Wear Rings (BRZ) Double Wear Rings (Iron) | N/A | A6409-C9 & A7921-C9 | 1 each |
| | | | A6409-E4 & A7921-A2 | |
| 1 | Casing - 125# | 1.5GT-125 | 1.5K-125 | |
| | Casing (Iron) | C3887-20-A2 | C3924-20-A2 | 1 |
| | Plugs | 04236 | 04236 | 6 |
| 73 | Case Gasket - 125# (Cellulose) | A6345-L13 | A6346-L13 | 1 |
| 9 | Suction Cover - 125# (Iron) | C7234-A2 | B6391-A2 | 1 |
| 1 | Casing - 250# | 1.5GT-250D | 1.5K-250D | |
| | Casing (DI) | C3887-21-A12 | C3887-21-A12 | 1 |
| | Plugs | 04236 | 04236 | 6 |
| 73 | Case Gasket - 250# (Cellulose) | A7444-L13 | A7771-L13 | 1 |
| 9 | Suction Cover - 250# (DI) | C7234-10-A12 | B6391-10-A12 | 1 |
| 14 | Shaft Sleeve (BRZ) Shaft Sleeve (316 SS) | A5204-C9 | A5204-C9 | 1 |
| | | A5204-J4 | A5204-J4 | |
| 26 | Impeller Screw (302 SS) | Q60-2-J3 | Q60-2-J3 | 1 |
| 28 | Impeller Screw Washer (302 SS) | A5090-J3 | A5090-J3 | 1 |
| 32 | Impeller Key (303 SS) | Q21-4-J8 | Q21-4-J8 | 1 |
| 71 | Adapter - JP Frame (Iron) | C5522-A2 | C5522-A2 | 1 |
| 71 | Adapter - TCZ Frame (Iron) | C5523-A2 | C5523-A2 | 1 |
| - | Tubing - Black Impolene | Q30-6-V6TF | Q30-6-V6TF | 1 |
| - | Vent Cock (Brass) Vent Cock (Steel) | Q24-1-C2 | Q24-1-C2 | 1 |
| | | Q24-1-E4 | Q24-1-E4 | |
| PACKING | | | | |
| 13 | Packing | Q27-60-M2 | Q27-60-M2 | 1 |
| 17 | Stuffing Box Gland | A3942-5-B5 | A3942-5-B5 | 1 |
| | | A3942-5-A2 | A3942-5-A2 | |
| 17 | Gland Stud (Brass) Gland Stud (SAE Grade 5) | Q17-12-C2 | Q17-12-C2 | 2 |
| | | Q17-12-E26 | Q17-12-E26 | |
| 17 | Gland Nut (Brass) Gland Nut (316 SS) | Q18-8-C2 | Q18-8-C2 | 2 |
| | | Q18-8-J4 | Q18-8-J4 | |
| 17 | Gland Washer (Steel) | Q20-3-E4 | Q20-3-E4 | 2 |
| 29 | Lantern Ring (Seal Cage) (Teflon) | A5086-V2 | A5086-V2 | 1 |
| 63 | Stuffing Box Bushing (416 SS) | A7492-J2 | A7492-J2 | 1 |
| - | Male Elbow - .25 x .25 (Brass) Male Elbow - .25 x .25 (Steel) | Q30-11-C2 | Q30-11-C2 | 2 |
| | | Q30-11-E4 | Q30-11-E4 | |

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A Crane Co. Company

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USA: (937) 778-8947 • Canada: (905) 457-6223 • International: (937) 615-3598

| Shaft Group 1 | | 1.5KH | 2G | Qty |
|---------------------------------|--|--------------|--------------|-----|
| MECHANICAL SEAL | | | | |
| 17A | Seal Cap (Iron) | A7393-1-A2 | A7393-1-A2 | 1 |
| 73D | Seal Cap Gasket (Cellulose) | A7424-L13 | A7424-L13 | 1 |
| 65 & 80 | Mechanical Seal - STD | Q26-395-Y34 | Q26-395-Y34 | 1 |
| 65 & 80 | Mechanical Seal - Hot Water | Q26-395-Y6 | Q26-395-Y6 | 1 |
| 68 | Seal Sleeve (Spacer) (18.8 SS) | A8493-C9-J10 | A8493-C9-J10 | 1 |
| - | Male Elbow - .25 x .25 (Iron) | Q30-11-C2 | Q30-11-C2 | 1 |
| - | Male Elbow - .25 x .25 (Steel) | Q30-11-E4 | Q30-11-E4 | |
| - | Male Elbow - .125 x .25 (Brass) | Q30-16-C2 | Q30-16-C2 | 1 |
| - | Male Elbow - .125 x .25 (Steel) | Q30-16-E4 | Q30-16-E4 | |
| BALANCED MECHANICAL SEAL | | | | |
| 14 | Shaft Sleeve (BRZ) Shaft Sleeve (416 SS) Shaft Sleeve (316 SS) | A5782-C9 | A5782-C9 | 1 |
| | | A5782-J2 | A5782-J2 | |
| | | A5782-J4 | A5782-J4 | |
| 14 | Step Shaft Sleeve (BRZ) | A7443-C9 | A7443-C9 | 1 |
| 17A | Seal Cap (Iron) | A7393-1-A2 | A7393-1-A2 | 1 |
| 73D | Seal Cap Gasket (Cellulose) | A7424-L13 | A7424-L13 | 1 |
| 65 & 80 | Balanced Mech. Seal - STD | Q26-318-Y34 | Q26-318-Y34 | 1 |
| 65 & 80 | Balanced Mech. Seal - Tung. Car. | Q26-318-Y17 | Q26-318-Y17 | 1 |
| - | Step Sleeve O-ring (Rubber) | Q41-32-K9 | Q41-32-K9 | 1 |
| - | Tubing - Copper | Q30-6-C6TF | Q30-6-C6TF | 1 |
| - | Tubing Steel (All Iron Pump) | Q30-6-E6 | Q30-6-E6 | 12" |
| 32 | Impeller Key (303 SS) | A7356-J8 | A7356-J8 | 1 |
| - | Male Elbow - .25 x .25 (Brass) | Q30-11-C2 | Q30-11-C2 | 1 |
| - | Male Elbow - .25 x .25 (Steel) | Q30-11-E4 | Q30-11-E4 | |
| - | Male Elbow - .125 x .25 (Brass) | Q30-16-C2 | Q30-16-C2 | 1 |
| - | Male Elbow - .125 x .25 (Steel) | Q30-16-E4 | Q30-16-E4 | |

| Shaft Group 1 | | 1.5KH | 2G | Qty |
|----------------|--|---------------------|---------------------|--------|
| 2 | Impeller (BRZ) | C6099-B12 | 2912-1-B12 | 1 |
| 25 | Suction Cover Ring (BRZ) | A6409-C9 | A6409-C9 | 1 |
| | Suction Cover Ring (Iron) | A6409-A2 | A6409-A2 | |
| - | Double Wear Rings (BRZ) | A6610-C9 & A6611-C9 | A6610-C9 & A6611-C9 | 1 each |
| 1 | Casing - 125# | 1.5KH-125 | 2G-125 | |
| | Casing (Iron) | C6105-20-A2 | C3868-20-A2 | 1 |
| | Plugs | 04236 | 04236 | 6 |
| 73 | Case Gasket - 125# (Cellulose) | A6083-L13 | A6345-L13 | 1 |
| 9 | Suction Cover - 125# (Iron) | B6104-10-A2 | C3869-10-A2 | 1 |
| 1 | Casing - 250# | 1.5KH-250D | 2G-250D | |
| | Casing (DI) | C6105-21-A12 | C3868-21-A12 | 1 |
| | Plugs | 04236 | 04236 | 6 |
| 73 | Case Gasket - 250# (Cellulose) | A7777-L13 | A7444-L13 | 1 |
| 9 | Suction Cover - 250# (DI) | B6104-11-A12 | C3869-11-A12 | 1 |
| 14 | Shaft Sleeve (BRZ) Shaft Sleeve (316 SS) | A5204-C9 | A5204-C9 | 1 |
| | | A5204-J4 | A5204-J4 | |
| 26 | Impeller Screw (302 SS) | Q60-2-J3 | Q60-2-J3 | 1 |
| 28 | Impeller Screw Washer (302 SS) | A5090-J3 | A5090-J3 | 1 |
| 32 | Impeller Key (303 SS) | Q21-4-J8 | Q21-4-J8 | 1 |
| 71 | Adapter - JP Frame (Iron) | C5522-A2 | C5522-A2 | 1 |
| 71 | Adapter - TCZ Frame (Iron) | C5523-A2 | C5523-A2 | |
| - | Tubing - Black Impolene | Q30-6-V6TF | Q30-6-V6TF | 1 |
| - | Vent Cock (Brass) | Q24-1-C2 | Q24-1-C2 | 1 |
| - | Vent Cock (Steel) | Q24-1-E4 | Q24-1-E4 | |
| PACKING | | | | |
| 13 | Packing | Q27-60-M2 | Q27-60-M2 | 1 |
| 17 | Stuffing Box Gland (Brass) Stuffing Box Gland (Iron) | A3942-5-B5 | A3942-5-B5 | 1 |
| | | A3942-5-A2 | A3942-5-A2 | |
| 17 | Gland Stud (Brass) Gland Stud (SAE Grade 5) | Q17-12-C2 | Q17-12-C2 | 2 |
| | | Q17-12-E26 | Q17-12-E26 | |
| 17 | Gland Nut (Brass) Gland Nut (316 SS) | Q18-8-C2 | Q18-8-C2 | 2 |
| | | Q18-8-J4 | Q18-8-J4 | |
| 17 | Gland Washer (Steel) | Q20-3-E4 | Q20-3-E4 | 2 |
| 29 | Lantern Ring (Seal Cage) (Teflon) | A5086-V2 | A5086-V2 | 1 |
| 63 | Stuffing Box Bushing (416 SS) | A7492-J2 | A7492-J2 | 1 |
| - | Male Elbow - .25 x .25 (Brass) Male Elbow - .25 x .25 (Steel) | Q30-11-C2 | Q30-11-C2 | 2 |
| | | Q30-11-E4 | Q30-11-E4 | |

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| Shaft Group 1 | | 2K | 2.5G | Qty |
|---------------------------------|--|--------------|--------------|-----|
| MECHANICAL SEAL | | | | |
| 17A | Seal Cap (Iron) | A7393-1-A2 | A7393-1-A2 | 1 |
| 73D | Seal Cap Gasket (Cellulose) | A7424-L13 | A7424-L13 | 1 |
| 65 & 80 | Mechanical Seal - STD | Q26-395-Y34 | Q26-395-Y34 | 1 |
| 65 & 80 | Mechanical Seal - Hot Water | Q26-395-Y6 | Q26-395-Y6 | 1 |
| 68 | Seal Sleeve (Spacer) (18.8 SS) | A8493-C9-J10 | A8493-C9-J10 | 1 |
| - | Male Elbow - .25 x .25 (Brass) | Q30-11-C2 | Q30-11-C2 | 1 |
| - | Male Elbow - .25 x .25 (Steel) | Q30-11-E4 | Q30-11-E4 | |
| - | Male Elbow - .125 x .25 (Brass) | Q30-16-C2 | Q30-16-C2 | 1 |
| - | Male Elbow - .125 x .25 (Steel) | Q30-16-E4 | Q30-16-E4 | |
| BALANCED MECHANICAL SEAL | | | | |
| 14 | Shaft Sleeve (BRZ) Shaft Sleeve (416 SS) Shaft Sleeve (316 SS) | A5782-C9 | A5782-C9 | 1 |
| | | A5782-J2 | A5782-J2 | |
| | | A5782-J4 | A5782-J4 | |
| 14 | Step Shaft Sleeve (BRZ) | A7443-C9 | A7443-C9 | 1 |
| 17A | Seal Cap (Iron) | A7393-1-A2 | A7393-1-A2 | 1 |
| 73D | Seal Cap Gasket (Cellulose) | A7424-L13 | A7424-L13 | 1 |
| 65 & 80 | Balanced Mech. Seal - STD | Q26-318-Y34 | Q26-318-Y34 | 1 |
| 65 & 80 | Balanced Mech. Seal - Tung. Car. | Q26-318-Y17 | Q26-318-Y17 | 1 |
| - | Step Sleeve O-ring (Rubber) | Q41-32-K9 | Q41-32-K9 | 1 |
| - | Tubing - Copper | Q30-6-C6TF | Q30-6-C6TF | 1 |
| - | Tubing Steel (All Iron Pump) | Q30-6-E6 | Q30-6-E6 | 12" |
| 32 | Impeller Key (303 SS) | A7356-J8 | A7356-J8 | 1 |
| - | Male Elbow - .25 x .25 (Brass) | Q30-11-C2 | Q30-11-C2 | 1 |
| - | Male Elbow - .25 x .25 (Steel) | Q30-11-E4 | Q30-11-E4 | |
| - | Male Elbow - .125 x .25 (Brass) | Q30-16-C2 | Q30-16-C2 | 1 |
| - | Male Elbow - .125 x .25 (Steel) | Q30-16-E4 | Q30-16-E4 | |

| Shaft Group 1 | | 2K | 2.5G | Qty |
|----------------|-----------------------------------|---------------------|---------------------|--------|
| 2 | Impeller (BRZ) | 3734-1-B12 | 2913-B12 | 1 |
| 25 | Suction Cover Ring (BRZ) | A6430-C9 | A6808-C9 | 1 |
| | Suction Cover Ring (Iron) | A6430-A2 | A6808-A2 | |
| - | Double Wear Rings (BRZ) | A6612-C9 & A7915-C9 | A7019-C9 & A7020-C9 | 1 each |
| | Double Wear Rings (Iron) | A6612-A2 & A7915-A2 | A7019-A2 & A7020-A2 | |
| 1 | Casing - 125# | 2K-125 | 2.5G-125 | |
| - | Casing (Iron) | C4482-20-A2 | C3876-20-A2 | 1 |
| - | Plugs | 04236 | 04236 | 6 |
| 73 | Case Gasket - 125# (Cellulose) | A6346-L13 | A6345-L13 | 1 |
| 9 | Suction Cover - 125# (Iron) | C4542-10-1-A2 | 2872-1-A2 | 1 |
| 1 | Casing - 250# | 2K-250D | 2.5G-250D | |
| - | Casing (DI) | C4482-21-A12 | C3876-21-A12 | 1 |
| - | Plugs | 04236 | 04236 | 6 |
| 73 | Case Gasket - 250# (Cellulose) | A7771-L13 | A7444-L13 | 1 |
| 9 | Suction Cover - 250# (DI) | C4542-11-A12 | B3877-10-A12 | 1 |
| 14 | Shaft Sleeve (BRZ) | A5204-C9 | A5204-C9 | 1 |
| | Shaft Sleeve (316 SS) | A5204-J4 | A5204-J4 | |
| 26 | Impeller Screw (302 SS) | Q60-2-J3 | Q60-2-J3 | 1 |
| 28 | Impeller Screw Washer (302 SS) | A5090-J3 | A5090-J3 | 1 |
| 32 | Impeller Key (303 SS) | Q21-4-J8 | Q21-4-J8 | 1 |
| 71 | Adapter - JP Frame (Iron) | C5522-A2 | C5522-A2 | 1 |
| 71 | Adapter - TCZ Frame (Iron) | C5523-A2 | C5523-A2 | |
| - | Tubing - Black Impolene | Q30-6-V6TF | Q30-6-V6TF | 1 |
| - | Vent Cock (Brass) | Q24-1-C2 | Q24-1-C2 | 1 |
| | Vent Cock (Steel) | Q24-1-E4 | Q24-1-E4 | |
| PACKING | | | | |
| 13 | Packing | Q27-60-M2 | Q27-60-M2 | 1 |
| 17 | Stuffing Box Gland (Brass) | A3942-5-B5 | A3942-5-B5 | 1 |
| | Stuffing Box Gland (Iron) | A3942-5-A2 | A3942-5-A2 | |
| 17 | Gland Stud (Brass) | Q17-12-C2 | Q17-12-C2 | 2 |
| | Gland Stud (SAE Grade 5) | Q17-12-E26 | Q17-12-E26 | |
| 17 | Gland Nut (Brass) | Q18-8-C2 | Q18-8-C2 | 2 |
| | Gland Nut (316 SS) | Q18-8-J4 | Q18-8-J4 | |
| 17 | Gland Washer (Steel) | Q20-3-E4 | Q20-3-E4 | 2 |
| 29 | Lantern Ring (Seal Cage) (Teflon) | A5086-V2 | A5086-V2 | 1 |
| 63 | Stuffing Box Bushing (416 SS) | A7492-J2 | A7492-J2 | 1 |
| - | Male Elbow - .25 x .25 (Brass) | Q30-11-C2 | Q30-11-C2 | 2 |
| | Male Elbow - .25 x .25 (Steel) | Q30-11-E4 | Q30-11-E4 | |

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| Shaft Group 1 | | 2.5K | 3G | Qty |
|---------------------------------|--|--------------|--------------|-----|
| MECHANICAL SEAL | | | | |
| 17A | Seal Cap (Iron) | A7393-1-A2 | A7393-1-A2 | 1 |
| 73D | Seal Cap Gasket (Cellulose) | A7424-L13 | A7424-L13 | 1 |
| 65 & 80 | Mechanical Seal - STD | Q26-395-Y34 | Q26-395-Y34 | 1 |
| 65 & 80 | Mechanical Seal - Hot Water | Q26-395-Y6 | Q26-395-Y6 | 1 |
| 68 | Seal Sleeve (Spacer) (18.8 SS) | A8493-C9-J10 | A8493-C9-J10 | 1 |
| - | Male Elbow - .25 x .25 (Brass) | Q30-11-C2 | Q30-11-C2 | 1 |
| - | Male Elbow - .25 x .25 (Steel) | Q30-11-E4 | Q30-11-E4 | |
| - | Male Elbow - .125 x .25 (Brass) | Q30-16-C2 | Q30-16-C2 | 1 |
| - | Male Elbow - .125 x .25 (Steel) | Q30-16-E4 | Q30-16-E4 | |
| BALANCED MECHANICAL SEAL | | | | |
| 14 | Shaft Sleeve (BRZ) Shaft Sleeve (416 SS) Shaft Sleeve (316 SS) | A5782-C9 | A5782-C9 | 1 |
| | | A5782-J2 | A5782-J2 | |
| | | A5782-J4 | A5782-J4 | |
| 14 | Step Shaft Sleeve (BRZ) | A7443-C9 | A7443-C9 | 1 |
| 17A | Seal Cap (Iron) | A7393-1-A2 | A7393-1-A2 | 1 |
| 73D | Seal Cap Gasket (Cellulose) | A7424-L13 | A7424-L13 | 1 |
| 65 & 80 | Balanced Mech. Seal - STD | Q26-318-Y34 | Q26-318-Y34 | 1 |
| 65 & 80 | Balanced Mech. Seal - Tung. Car. | Q26-318-Y17 | Q26-318-Y17 | 1 |
| - | Step Sleeve O-ring (Rubber) | Q41-32-K9 | Q41-32-K9 | 1 |
| - | Tubing - Copper | Q30-6-C6TF | Q30-6-C6TF | 1 |
| - | Tubing Steel (All Iron Pump) | Q30-6-E6 | Q30-6-E6 | 12" |
| 32 | Impeller Key (303 SS) | A7356-J8 | A7356-J8 | 1 |
| - | Male Elbow - .25 x .25 (Brass) | Q30-11-C2 | Q30-11-C2 | 1 |
| - | Male Elbow - .25 x .25 (Steel) | Q30-11-E4 | Q30-11-E4 | |
| - | Male Elbow - .125 x .25 (Brass) | Q30-16-C2 | Q30-16-C2 | 1 |
| - | Male Elbow - .125 x .25 (Steel) | Q30-16-E4 | Q30-16-E4 | |

| Shaft Group 1 | | 2.5K | 3G | Qty |
|----------------|--|---------------------|-----------------------|--------|
| 2 | Impeller (BRZ) | 2946-1-B12 | 2914-1-B12 | 1 |
| 25 | Suction Cover Ring (BRZ) | A6808-C9 | A6809-C9 | 1 |
| | Suction Cover Ring (Iron) | A6808-A2 | A6809-A2 | |
| - | Double Wear Rings (BRZ) | A7019-C9 & A7020-C9 | A5577-C9 & H1187-2-C9 | 1 each |
| | Double Wear Rings (Iron) | A7019-A2 & A7020-A2 | A5577-A2 & H1187-2-A2 | |
| 1 | Casing - 125# | 2.5K-125 | 3G-125 | |
| | Casing (Iron) | C3910-20-A2 | C3883-20-A2 | 1 |
| | Plugs | 04236 | 04236 | 6 |
| 73 | Case Gasket - 125# (Cellulose) | A6346-L13 | A6345-L13 | 1 |
| 9 | Suction Cover - 125# (Iron) | 2948-1-A2 | B3884-10-1-A2 | 1 |
| 1 | Casing - 250# | 2.5K-250D | 3G-250D | |
| | Casing (DI) | C3910-21-A12 | C3883-21-A12 | 1 |
| | Plugs | 04236 | 04236 | 6 |
| 73 | Case Gasket - 250# (Cellulose) | A7771-L13 | A7444-L13 | 1 |
| 9 | Suction Cover - 250# (DI) | 4444-1-A12 | B3884-11-1-A12 | 1 |
| 14 | Shaft Sleeve (BRZ) Shaft Sleeve (316 SS) | A5204-C9 | A5204-C9 | 1 |
| | | A5204-J4 | A5204-J4 | |
| 26 | Impeller Screw (302 SS) | Q60-2-J3 | Q60-2-J3 | 1 |
| 28 | Impeller Screw Washer (302 SS) | A5090-J3 | A5090-J3 | 1 |
| 32 | Impeller Key (303 SS) | Q21-4-J8 | Q21-4-J8 | 1 |
| 71 | Adapter - JP Frame (Iron) | C5522-A2 | C5522-A2 | 1 |
| 71 | Adapter - TCZ Frame (Iron) | C5523-A2 | C5523-A2 | |
| - | Tubing - Black Impolene | Q30-6-V6TF | Q30-6-V6TF | 1 |
| - | Vent Cock (Brass) Vent Cock (Steel) | Q24-1-C2 | Q24-1-C2 | 1 |
| | | Q24-1-E4 | Q24-1-E4 | |
| PACKING | | | | |
| 13 | Packing | Q27-60-M2 | Q27-60-M2 | 1 |
| 17 | Stuffing Box Gland (Brass) Stuffing Box Gland (Iron) | A3942-5-B5 | A3942-5-B5 | 1 |
| | | A3942-5-A2 | A3942-5-A2 | |
| 17 | Gland Stud (Brass) Gland Stud (SAE Grade 5) | Q17-12-C2 | Q17-12-C2 | 2 |
| | | Q17-12-E26 | Q17-12-E26 | |
| 17 | Gland Nut (Brass) Gland Nut (316 SS) | Q18-8-C2 | Q18-8-C2 | 2 |
| | | Q18-8-J4 | Q18-8-J4 | |
| 17 | Gland Washer (Steel) | Q20-3-E4 | Q20-3-E4 | 2 |
| 29 | Lantern Ring (Seal Cage) (Teflon) | A5086-V2 | A5086-V2 | 1 |
| 63 | Stuffing Box Bushing (416 SS) | A7492-J2 | A7492-J2 | 1 |
| - | Male Elbow - .25 x .25 (Brass) Male Elbow - .25 x .25 (Steel) | Q30-11-C2 | Q30-11-C2 | 2 |
| | | Q30-11-E4 | Q30-11-E4 | |

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| Shaft Group 1 | | 3K | 4G | Qty |
|---------------------------------|--|--------------|--------------|-----|
| MECHANICAL SEAL | | | | |
| 17A | Seal Cap (Iron) | A7393-1-A2 | A7393-1-A2 | 1 |
| 73D | Seal Cap Gasket (Cellulose) | A7424-L13 | A7424-L13 | 1 |
| 65 & 80 | Mechanical Seal - STD | Q26-395-Y34 | Q26-395-Y34 | 1 |
| 65 & 80 | Mechanical Seal - Hot Water | Q26-395-Y6 | Q26-395-Y6 | 1 |
| 68 | Seal Sleeve (Spacer) (18.8 SS) | A8493-C9-J10 | A8493-C9-J10 | 1 |
| - | Male Elbow - .25 x .25 (Brass) | Q30-11-C2 | Q30-11-C2 | 1 |
| - | Male Elbow - .25 x .25 (Steel) | Q30-11-E4 | Q30-11-E4 | |
| - | Male Elbow - .125 x .25 (Brass) | Q30-16-C2 | Q30-16-C2 | 1 |
| - | Male Elbow - .125 x .25 (Steel) | Q30-16-E4 | Q30-16-E4 | |
| BALANCED MECHANICAL SEAL | | | | |
| 14 | Shaft Sleeve (BRZ) Shaft Sleeve (416 SS) Shaft Sleeve (316 SS) | A5782-C9 | A5782-C9 | 1 |
| | | A5782-J2 | A5782-J2 | |
| | | A5782-J4 | A5782-J4 | |
| 14 | Step Shaft Sleeve (BRZ) | A7443-C9 | A7443-C9 | 1 |
| 17A | Seal Cap (Iron) | A7393-1-A2 | A7393-1-A2 | 1 |
| 73D | Seal Cap Gasket (Cellulose) | A7424-L13 | A7424-L13 | 1 |
| 65 & 80 | Balanced Mech. Seal - STD | Q26-318-Y34 | Q26-318-Y34 | 1 |
| 65 & 80 | Balanced Mech. Seal - Tung. Car. | Q26-318-Y17 | Q26-318-Y17 | 1 |
| - | Step Sleeve O-ring (Rubber) | Q41-32-K9 | Q41-32-K9 | 1 |
| - | Tubing - Copper | Q30-6-C6TF | Q30-6-C6TF | 1 |
| - | Tubing Steel (All Iron Pump) | Q30-6-E6 | Q30-6-E6 | 12" |
| 32 | Impeller Key (303 SS) | A7356-J8 | A7356-J8 | 1 |
| - | Male Elbow - .25 x .25 (Brass) | Q30-11-C2 | Q30-11-C2 | 1 |
| - | Male Elbow - .25 x .25 (Steel) | Q30-11-E4 | Q30-11-E4 | |
| - | Male Elbow - .125 x .25 (Brass) | Q30-16-C2 | Q30-16-C2 | 1 |
| - | Male Elbow - .125 x .25 (Steel) | Q30-16-E4 | Q30-16-E4 | |

| Shaft Group 1 | | 3K | 4G | Qty |
|----------------|--|------------------------|----------------------------|--------|
| 2 | Impeller (BRZ) | B3983-3-B12 | C5508-B12 | 1 |
| 25 | Suction Cover Ring (BRZ) Suction Cover Ring (Iron) | A6623-C9 | A6810-C9 | 1 |
| | | A6623-A2 | A6810-A2 | |
| - | Double Wear Rings(BRZ) Double Wear Rings (Iron) | A6145-C9 & A6146-C9 | H1440-1-C9 & H2177-1-C9 | 1 each |
| | | A6145-A2 & A6146-A2 | H1440-1-A2 & H2177-1-A2 | |
| 2 | Impeller (BRZ) | B3989-3-B12 | B6420-1-B12 | 1 |
| 25 | Suction Cover Ring (BRZ) Suction Cover Ring (Iron) | A6623-C9 | H484-1-C9 | 1 |
| | | A6623-A2 | H484-1-A2 | |
| - | Double Wear Rings (BRZ) Double Wear Rings (Iron) | A6145-C9 & A6146-C9 | A6810-C9 & A7592-C9 | 1 each |
| | | A6145-A2 & A6146-A2 | A6810-A2 & A7592-A2 | |
| 1 | Casing - 125# | 3K-125 | 4G-125 | |
| | Casing (DI) | C5537-20-A12 | C3880-20-A2 | 1 |
| | Plugs | 04236 | 04236 | 6 |
| 73 | Case Gasket - 125# (Cellulose) | A6346-L13 | A6345-L13 | 1 |
| 9 | Suction Cover - 125# (Iron) | 3015-1-A2 | C3881-10-1-A2 | 1 |
| 1 | Casing - 250# | 3K-250D | 4G-250D | |
| | Casing (DI) | C5537-21-A12 | C3880-21-A12 | 1 |
| | Plugs | 04236 | 04236 | 6 |
| 73 | Case Gasket - 250# (Cellulose) | A7771-L13 | A7444-L13 | 1 |
| 9 | Suction Cover - 250# (DI) | C3984-11-A12 | C3881-11-A12 | 1 |
| 14 | Shaft Sleeve (BRZ) Shaft Sleeve (316 SS) | A5204-C9 | A5204-C9 | 1 |
| | | A5204-J4 | A5204-J4 | |
| 26 | Impeller Screw (302 SS) | Q60-2-J3 | Q60-2-J3 | 1 |
| 28 | Impeller Screw Washer (302 SS) | A5090-J3 | A5090-J3 | 1 |
| 32 | Impeller Key (303 SS) | Q21-4-J8 | Q21-4-J8 | 1 |
| 71 | Adapter - JP Frame (Iron) | C5522-A2 | C5522-A2 | 1 |
| 71 | Adapter - TCZ Frame (Iron) | C5523-A2 | C5523-A2 | 1 |
| - | Tubing - Black Impolene | Q30-6-V6TF | Q30-6-V6TF | 1 |
| - | Vent Cock (Brass) Vent Cock (Steel) | Q24-1-C2 | Q24-1-C2 | 1 |
| | | Q24-1-E4 | Q24-1-E4 | |
| PACKING | | | | |
| 13 | Packing | Q27-60-M2 | Q27-60-M2 | 1 |
| 17 | Stuffing Box Gland (Brass) Stuffing Box Gland (Iron) | A3942-5-B5 | A3942-5-B5 | 1 |
| | | A3942-5-A2 | A3942-5-A2 | |
| 17 | Gland Stud (Brass) Gland Stud (SAE Grade 5) | Q17-12-C2 | Q17-12-C2 | 2 |
| | | Q17-12-E26 | Q17-12-E26 | |
| 17 | Gland Nut (Brass) Gland Nut (316 SS) | Q18-8-C2 | Q18-8-C2 | 2 |
| | | Q18-8-J4 | Q18-8-J4 | |
| 17 | Gland Washer (Steel) | Q20-3-E4 | Q20-3-E4 | 2 |
| 29 | Lantern Ring (Seal Cage) (Teflon) | A5086-V2 | A5086-V2 | 1 |
| 63 | Stuffing Box Bushing (416 SS) | A7492-J2 | A7492-J2 | 1 |
| - | Male Elbow - .25 x .25 (Brass) Male Elbow - .25 x .25 (Steel) | Q30-11-C2 | Q30-11-C2 | 2 |
| | | Q30-11-E4 | Q30-11-E4 | |

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| Shaft Group 1 | | 4GL | Qty | Shaft Group 1 | | 4GL | Qty |
|---------------|---------------------------------|-------------|-----|---------------------------------|----------------------------------|---------------------------------|-----------|
| | | | | BALANCED MECHANICAL SEAL | | | |
| 14 | Shaft Sleeve (BRZ) | A5782-C9 | 1 | 14 | Shaft Sleeve (416 SS) | A5782-J2 | |
| | Shaft Sleeve (316 SS) | A5782-J4 | | 14 | Step Shaft Sleeve (BRZ) | A7443-C9 | |
| 17A | Seal Cap (Iron) | A7393-1-A2 | | 1 | 73D | Seal Cap Gasket (Cellulose) | A7424-L13 |
| 65 & 80 | Balanced Mech. Seal - STD | Q26-318-Y34 | 1 | 65 & 80 | Balanced Mech. Seal - Tung. Car. | Q26-318-Y17 | 1 |
| - | Step Sleeve O-ring (Rubber) | Q41-32-K9 | 1 | - | Tubing - Copper | Q30-6-C6TF | 1 |
| - | Tubing - Steel (All Iron Pump) | Q30-6-E6 | 12" | 32 | Impeller Key (303 SS) | A7356-J8 | 1 |
| - | Male Elbow - .25 x .25 (Brass) | Q30-11-C2 | 1 | - | Male Elbow - .25 x .25 (Steel) | Q30-11-E4 | |
| - | Male Elbow - .125 x .25 (Brass) | Q30-16-C2 | | 1 | - | Male Elbow - .125 x .25 (Steel) | Q30-16-E4 |

| Shaft Group 1 | | 4GL | Qty |
|------------------------|-----------------------------------|---------------------|--------|
| 2 | Impeller (BRZ) | H2035-1-B12 | 1 |
| 25 | Suction Cover Ring (BRZ) | H484-1-C9 | 1 |
| | Suction Cover Ring (Iron) | H484-1-A2 | |
| - | Double Wear Rings (BRZ) | A6810-C9 & A7592-C9 | 1 each |
| | Double Wear Rings (Iron) | A6810-A2 & A7592-A2 | |
| 1 | Casing - 125# | 4GL-125 | |
| | Casing (Iron) | C3880-20-A2 | 1 |
| | Plugs | 04236 | 6 |
| 73 | Case Gasket - 125# (Cellulose) | A6345-L13 | 1 |
| 9 | Suction Cover - 125# (Iron) | C3881-10-1-A2 | 1 |
| 1 | Casing - 250# | 4GL-250D | |
| | Casing (DI) | C3880-21-A12 | 1 |
| | Plugs | 04236 | 6 |
| 73 | Case Gasket - 250# (Cellulose) | A7444-L13 | 1 |
| 9 | Suction Cover - 250# (DI) | C3881-11-A12 | 1 |
| 14 | Shaft Sleeve (BRZ) | A5204-C9 | 1 |
| | Shaft Sleeve (316 SS) | A5204-J4 | |
| 26 | Impeller Screw (302 SS) | Q60-2-J3 | 1 |
| 28 | Impeller Screw Washer (302 SS) | A5090-J3 | 1 |
| 32 | Impeller Key (303 SS) | Q21-4-J8 | 1 |
| 71 | Adapter - JP Frame (Iron) | C5522-A2 | 1 |
| 71 | Adapter - TCZ Frame (Iron) | C5523-A2 | 0 |
| - | Tubing - Black Impolene | Q30-6-V6TF | 1 |
| - | Vent Cock (Brass) | Q24-1-C2 | 1 |
| | Vent Cock (Steel) | Q24-1-E4 | |
| PACKING | | | |
| 13 | Packing | Q27-60-M2 | 1 |
| 17 | Stuffing Box Gland (Brass) | A3942-5-B5 | 1 |
| | Stuffing Box Gland (Iron) | A3942-5-A2 | |
| 17 | Gland Stud (Brass) | Q17-12-C2 | 2 |
| | Gland Stud (SAE Grade 5) | Q17-12-E26 | |
| 17 | Gland Nut (Brass) | Q18-8-C2 | 2 |
| | Gland Nut (316 SS) | Q18-8-J4 | |
| 17 | Gland Washer (Steel) | Q20-3-E4 | 2 |
| 29 | Lantern Ring (Seal Cage) (Teflon) | A5086-V2 | 1 |
| 63 | Stuffing Box Bushing (416 SS) | A7492-J2 | 1 |
| - | Male Elbow - .25 x .25 (Brass) | Q30-11-C2 | 2 |
| | Male Elbow - .25 x .25 (Steel) | Q30-11-E4 | |
| MECHANICAL SEAL | | | |
| 17A | Seal Cap (Iron) | A7393-1-A2 | 1 |
| 73D | Seal Cap Gasket (Cellulose) | A7424-L13 | 1 |
| 65 & 80 | Mechanical Seal - STD | Q26-395-Y34 | 1 |
| 65 & 80 | Mechanical Seal - Hot Water | Q26-395-Y6 | 1 |
| 68 | Seal Sleeve (Spacer) (18.8 SS) | A8493-C9-J10 | 1 |
| - | Male Elbow - .25 x .25 (Brass) | Q30-11-C2 | 1 |
| | Male Elbow - .25 x .25 (Steel) | Q30-11-E4 | |
| - | Male Elbow - .125 x .25 (Brass) | Q30-16-C2 | 1 |
| | Male Elbow - .125 x .25 (Steel) | Q30-16-E4 | |

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| Shaft Group 2 | | 1.5K | 1.5KH | Qty |
|---------------|----------------------------------|-------------|-------------|-----|
| | MECHANICAL SEAL | | | |
| 17A | Seal Cap (Iron) | B8419-A2 | B8419-A2 | 1 |
| 73D | Seal Cap Gasket (Cellulose) | A6500-L13 | A6500-L13 | 1 |
| 65 & 80 | Mechanical Seal - STD | Q26-217-Y35 | Q26-217-Y35 | 1 |
| 65 & 80 | Mechanical Seal - Hot Water | Q26-217-Y6 | Q26-217-Y6 | 1 |
| 68 | Seal Sleeve (Spacer) (BRZ) | A8494-C9 | A8493-C9 | 1 |
| | Seal Sleeve (Spacer) (416 SS) | A8494-J2 | A8493-J2 | |
| | Seal Sleeve (Spacer) (316 SS) | A8494-J4 | A8493-J4 | |
| - | Male Elbow - .25 x .25 (Brass) | Q30-11-C2 | Q30-11-C2 | 1 |
| | Male Elbow - .25 x .25 (Steel) | Q30-11-E4 | Q30-11-E4 | |
| | MECHANICAL SEAL | | | |
| 14 | Step Shaft Sleeve (BRZ) | A7460-C9 | A7460-C9 | 1 |
| | Step Shaft Sleeve (416 SS) | A7460-J2 | A7460-J2 | |
| | Step Shaft Sleeve (316 SS) | A7460-J4 | A7460-J4 | |
| 17A | Seal Cap (Iron) | B8419-1-A2 | B8419-1-A2 | 1 |
| 73D | Seal Cap Gasket (Cellulose) | A6500-L13 | A6500-L13 | 1 |
| 65 & 80 | Balanced Mech. Seal - STD | Q26-319-Y34 | Q26-319-Y34 | 1 |
| 65 & 80 | Balanced Mech. Seal - Tung. Car. | Q26-319-Y17 | Q26-319-Y17 | 1 |
| - | Step Sleeve O-ring (Rubber) | Q41-34-K9 | Q41-34-K9 | 1 |
| - | Tubing - Copper | Q30-6-C6TF | Q30-6-C6TF | 1 |
| - | Tubing Steel (All Iron Pump) | Q30-6-E6 | Q30-6-E6 | 12" |
| 32 | Impeller Key (303 SS) | Q21-63-J8 | Q21-63-J8 | 1 |
| - | Male Elbow - .25 x .25 (Brass) | Q30-11-C2 | Q30-11-C2 | 1 |
| | Male Elbow - .25 x .25 (Steel) | Q30-11-E4 | Q30-11-E4 | |

| Shaft Group 2 | | 1.5K | 1.5KH | Qty |
|---------------|--------------------------------|---------------------|---------------------|--------|
| 2 | Impeller (BRZ) | B6390-10-B12 | C6099-10-B12 | 1 |
| 25 | Suction Cover Ring (BRZ) | A6409-C9 | A6409-C9 | 1 |
| | Suction Cover Ring (Iron) | A6409-A2 | A6409-A2 | |
| - | Double Wear Rings (BRZ) | A6610-C9 & A6611-C9 | A6610-C9 & A6611-C9 | 1 each |
| | Double Wear Rings (Iron) | A6610-A2 & A6611-A2 | A6610-A2 & A6611-A2 | |
| 2 | Impeller (BRZ) | C8457-1-B12 | N/A | 1 |
| 25 | Suction Cover Ring (Brass) | C8457-1-B12 | N/A | 1 |
| | Suction Cover Ring (Iron) | C8457-1-A2 | | |
| - | Double Wear Rings (BRZ) | A7277-C9 | N/A | 1 each |
| | Double Wear Rings (Iron) | A7277-A2 | | |
| 1 | Casing - 125# | 1.5K-125-2 | 1.5KH-125-2 | |
| | Casing (Iron) | C3924-30-A2 | C6105-30-A2 | 1 |
| | Plugs | 04236 | 04236 | 6 |
| 73 | Case Gasket - 125# (Cellulose) | A6346-L13 | A6083-L13 | 1 |
| 9 | Suction Cover - 125# (Iron) | B6391-A2 | B6104-10-A2 | 1 |
| 1 | Casing - 250# | 1.5K-250D-2 | 1.5KH-250D-2 | |
| | Casing (DI) | C3924-31-A12 | C6105-31-A12 | 1 |
| | Plugs | 04236 | 04236 | 6 |
| 73 | Case Gasket - 250# (Cellulose) | A7771-L13 | A7777-L13 | 1 |
| 9 | Suction Cover - 250# (DI) | B6391-10-A12 | B6104-11-A12 | 1 |
| 14 | Shaft Sleeve (BRZ) | H1993-1-C9 | H1993-1-C9 | 1 |
| | Shaft Sleeve (416 SS) | H1993-1-J2 | H1993-1-J2 | |
| | Shaft Sleeve (316 SS) | H1993-1-J4 | H1993-1-J4 | |
| 26 | Impeller Screw (302 SS) | Q60-3-J3 | Q60-3-J3 | 1 |
| 28 | Impeller Screw Washer (302 SS) | A6680-J3 | A6680-J3 | 1 |
| 32 | Impeller Key (3030 SS) | Q21-5-J8 | Q21-5-J8 | 1 |
| 71 | Adapter - JP Frame (Iron) | C6385-1-A2 | C6385-1-A2 | 1 |
| 71 | Adapter - TCZ Frame (Iron) | C6679-A2 | C6679-A2 | 0 |
| - | Tubing - Black Impolene | Q30-6-V6TF | Q30-6-V6TF | 1 |
| - | Vent Cock (Brass) | Q24-1-C2 | Q24-1-C2 | 1 |
| | Vent Cock (Steel) | Q24-1-E4 | Q24-1-E4 | |
| | PACKING | | | |
| 13 | Packing | Q27-62-M2 | Q27-62-M2 | 1 |
| 17 | Stuffing Box Gland (Brass) | A5198-3-B5 | A5198-3-B5 | 1 |
| | Stuffing Box Gland (Iron) | A5198-3-A2 | A5198-3-A2 | |
| 17 | Gland Stud (Brass) | Q17-70-C2 | Q17-70-C2 | 2 |
| | Gland Stud (SAE Grade 5) | Q17-70-E26 | Q17-70-E26 | |
| 17 | Gland Nut (Brass) | Q18-8-C2 | Q18-8-C2 | 2 |
| | Gland Nut (316 SS) | Q18-8-J4 | Q18-8-J4 | |
| 17 | Gland Washer (Steel) | Q20-3-E4 | Q20-3-E4 | 2 |
| 29 | Lantern Ring (Seal Cage) | A5350-V2 | A5350-V2 | 1 |
| 63 | Stuffing Box Bushing (416 SS) | A6759-J2 | A6759-J2 | 1 |
| - | Male Elbow - .25 x .25 (Brass) | Q30-11-C2 | Q30-11-C2 | 2 |
| | Male Elbow - .25 x .25 (Steel) | Q30-11-E4 | Q30-11-E4 | |

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| Shaft Group 2 | | 2K | 2.5G | Qty |
|---------------------------------|----------------------------------|-------------|-------------|-----|
| MECHANICAL SEAL | | | | |
| 17A | Seal Cap (Iron) | B8419-A2 | B8419-A2 | 1 |
| 73D | Seal Cap Gasket (Cellulose) | A6500-L13 | A6500-L13 | 1 |
| 65 & 80 | Mechanical Seal - STD | Q26-217-Y35 | Q26-217-Y35 | 1 |
| 65 & 80 | Mechanical Seal - Hot Water | Q26-217-Y6 | Q26-217-Y6 | 1 |
| 68 | Seal Sleeve (Spacer) (BRZ) | A8494-C9 | A8494-C9 | 1 |
| | Seal Sleeve (Spacer) (416 SS) | A8494-J2 | A8494-J2 | |
| | Seal Sleeve (Spacer) (316 SS) | A8494-J4 | A8494-J4 | |
| - | Male Elbow - .25 x .25 (Brass) | Q30-11-C2 | Q30-11-C2 | 1 |
| | Male Elbow - .25 x .25 (Steel) | Q30-11-E4 | Q30-11-E4 | |
| BALANCED MECHANICAL SEAL | | | | |
| 14 | Step Shaft Sleeve (BRZ) | A7460-C9 | A7460-C9 | 1 |
| | Step Shaft Sleeve (416 SS) | A7460-J2 | A7460-J2 | |
| | Step Shaft Sleeve (316 SS) | A7460-J4 | A7460-J4 | |
| 17A | Seal Cap (Iron) | B8419-1-A2 | B8419-1-A2 | 1 |
| 73D | Seal Cap Gasket (Cellulose) | A6500-L13 | A6500-L13 | 1 |
| 65 & 80 | Balanced Mech. Seal - STD | Q26-319-Y34 | Q26-319-Y34 | 1 |
| 65 & 80 | Balanced Mech. Seal - Tung. Car. | Q26-319-Y17 | Q26-319-Y17 | 1 |
| - | Step Sleeve O-ring (Rubber) | Q41-34-K9 | Q41-34-K9 | 1 |
| - | Tubing - Copper | Q30-6-C6TF | Q30-6-C6TF | 1 |
| - | Tubing Steel (All Iron Pump) | Q30-6-E6 | Q30-6-E6 | 12" |
| 32 | Impeller Key (303 SS) | Q21-63-J8 | Q21-63-J8 | 1 |
| - | Male Elbow - .25 x .25 (Brass) | Q30-11-C2 | Q30-11-C2 | 1 |
| | Male Elbow - .25 x .25 (Steel) | Q30-11-E4 | Q30-11-E4 | |

| Shaft Group 2 | | 2K | 2.5G | Qty |
|----------------|--------------------------------|---------------------|---------------------|--------|
| 2 | Impeller (BRZ) | B4541-11-1-B12 | C3878-11-B12 | 1 |
| 25 | Suction Cover Ring (BRZ) | A6430-C9 | A6808-C9 | 1 |
| | Suction Cover Ring (Iron) | A6430-A2 | A6808-A2 | |
| - | Double Wear Rings (BRZ) | A6612-C9 & A7915-C9 | A7019-C9 & A7020-C9 | 1 each |
| | Double Wear Rings (Iron) | A6612-A2 & A7915-A2 | A7019-A2 & A7020-A2 | |
| 1 | Casing - 125# | 2KL-125-2 | 2.5G-125-2 | |
| | Casing (Iron) | C4482-30-A2 | C3876-30-A2 | 1 |
| | Plugs | 04236 | 04236 | 6 |
| 73 | Case Gasket - 125# (Cellulose) | A6346-L13 | A6345-L13 | 1 |
| 9 | Suction Cover - 125# (Iron) | C4542-10-1-A2 | B3877-10-A12 | 1 |
| 1 | Casing - 250# | 2K-250D-2 | 2.5G-250D-2 | |
| | Casing (DI) | C4482-31-A12 | C3876-31-A12 | 1 |
| | Plugs | 04236 | 04236 | 6 |
| 73 | Case Gasket - 250# (Cellulose) | A7771-L13 | A7444-L13 | 1 |
| 9 | Suction Cover - 250# (DI) | C4542-11-A12 | B3877-10-A12 | 1 |
| 14 | Shaft Sleeve (BRZ) | H1993-1-C9 | H1993-1-C9 | 1 |
| | Shaft Sleeve (416 SS) | H1993-1-J2 | H1993-1-J2 | |
| | Shaft Sleeve (316 SS) | H1993-1-J4 | H1993-1-J4 | |
| 26 | Impeller Screw (302 SS) | Q60-3-J3 | Q60-3-J3 | 1 |
| 28 | Impeller Screw Washer (302 SS) | A6680-J3 | A6680-J3 | 1 |
| 32 | Impeller Key (303 SS) | Q21-5-J8 | Q21-5-J8 | 1 |
| 71 | Adapter - JP Frame (Iron) | C6385-1-A2 | C6385-1-A2 | 1 |
| 71 | Adapter - TCZ Frame (Iron) | C6679-A2 | C6679-A2 | 0 |
| - | Tubing - Black Impolene | Q30-6-V6TF | Q30-6-V6TF | 1 |
| - | Vent Cock (Brass) | Q24-1-C2 | Q24-1-C2 | 1 |
| | Vent Cock (Steel) | Q24-1-E4 | Q24-1-E4 | |
| PACKING | | | | |
| 13 | Packing | Q27-62-M2 | Q27-62-M2 | 1 |
| 17 | Stuffing Box Gland (Brass) | A5198-3-B5 | A5198-3-B5 | 1 |
| | Stuffing Box Gland (Iron) | A5198-3-A2 | A5198-3-A2 | |
| 17 | Gland Stud (Brass) | Q17-70-C2 | Q17-70-C2 | 2 |
| | Gland Stud (SAE Grade 5) | Q17-70-E26 | Q17-70-E26 | |
| 17 | Gland Nut (Brass) | Q18-8-C2 | Q18-8-C2 | 2 |
| | Gland Nut (316 SS) | Q18-8-J4 | Q18-8-J4 | |
| 17 | Gland Washer (Steel) | Q20-3-E4 | Q20-3-E4 | 2 |
| 29 | Lantern Ring (Seal Cage) | A5350-V2 | A5350-V2 | 1 |
| 63 | Stuffing Box Bushing (416 SS) | A6759-J2 | A6759-J2 | 1 |
| - | Male Elbow - .25 x .25 (Brass) | Q30-11-C2 | Q30-11-C2 | 2 |
| | Male Elbow - .25 x .25 (Steel) | Q30-11-E4 | Q30-11-E4 | |

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| Shaft Group 2 | | 2.5K | 2.5KH | Qty |
|------------------------|----------------------------------|-------------|-------------|-----|
| MECHANICAL SEAL | | | | |
| 17A | Seal Cap (Iron) | B8419-A2 | B8419-A2 | 1 |
| 73D | Seal Cap Gasket (Cellulose) | A6500-L13 | A6500-L13 | 1 |
| 65 & 80 | Mechanical Seal - STD | Q26-217-Y35 | Q26-217-Y35 | 1 |
| 65 & 80 | Mechanical Seal - Hot Water | Q26-217-Y6 | Q26-217-Y6 | 1 |
| 68 | Seal Sleeve (Spacer) (BRZ) | A8494-C9 | A8494-C9 | 1 |
| | Seal Sleeve (Spacer) (416 SS) | A8494-J2 | A8494-J2 | |
| | Seal Sleeve (Spacer) (316 SS) | A8494-J4 | A8494-J4 | |
| - | Male Elbow - .25 x .25 (Brass) | Q30-11-C2 | Q30-11-C2 | 1 |
| | Male Elbow - .25 x .25 (Steel) | Q30-11-E4 | Q30-11-E4 | |
| MECHANICAL SEAL | | | | |
| 14 | Step Shaft Sleeve (BRZ) | A7460-C9 | A7460-C9 | 1 |
| | Step Shaft Sleeve (416 SS) | A7460-J2 | A7460-J2 | |
| | Step Shaft Sleeve (316 SS) | A7460-J4 | A7460-J4 | |
| 17A | Seal Cap (Iron) | B8419-1-A2 | B8419-1-A2 | 1 |
| 73D | Seal Cap Gasket (Cellulose) | A6500-L13 | A6500-L13 | 1 |
| 65 & 80 | Balanced Mech. Seal - STD | Q26-319-Y34 | Q26-319-Y34 | 1 |
| 65 & 80 | Balanced Mech. Seal - Tung. Car. | Q26-319-Y17 | Q26-319-Y17 | 1 |
| - | Step Sleeve O-ring (Rubber) | Q41-34-K9 | Q41-34-K9 | 1 |
| - | Tubing - Copper | Q30-6-C6TF | Q30-6-C6TF | 1 |
| - | Tubing Steel (All Iron Pump) | Q30-6-E6 | Q30-6-E6 | 12" |
| 32 | Impeller Key (303 SS) | Q21-63-J8 | Q21-63-J8 | 1 |
| - | Male Elbow - .25 x .25 (Brass) | Q30-11-C2 | Q30-11-C2 | 1 |
| | Male Elbow - .25 x .25 (Steel) | Q30-11-E4 | Q30-11-E4 | |

| Shaft Group 2 | | 2.5K | 2.5KH | Qty |
|----------------|-----------------------------------|---------------------|---------------------|--------|
| 2 | Impeller (BRZ) | B3912-11-B12 | B4846-B12 | 1 |
| 25 | Suction Cover Ring (BRZ) | A6808-C9 | A6623-C9 | 1 |
| | Suction Cover Ring (Iron) | A6808-A2 | A6623-A2 | |
| - | Double Wear Rings (BRZ) | A7019-C9 & A7020-C9 | A5328-C9 & A6811-C9 | 1 each |
| | Double Wear Rings (Iron) | A7019-A2 & A7020-A2 | A5328-A2 & A6811-A2 | |
| 2 | Impeller (BRZ) | N/A | B4586-B12 | 1 |
| 25 | Suction Cover Ring (BRZ) | N/A | A6623-C9 | 1 |
| | Suction Cover Ring (Iron) | | A6623-A2 | |
| - | Double Wear Rings (BRZ) | N/A | A5328-C9 & A6811-C9 | 1 each |
| | Double Wear Rings (Iron) | N/A | A5328-A2 & A6811-A2 | |
| 1 | Casing - 125# | 2.5K-125-2 | 2.5KH-125-2 | |
| | Casing (Iron) | C3910-30-A2 | C5559-30-A2 | 1 |
| | Plugs | 04236 | 04236 | 6 |
| 73 | Case Gasket - 125# (Cellulose) | A6346-L13 | A6083-L13 | 1 |
| 9 | Suction Cover - 125# (Iron) | 2948-1-A2 | 3802-2-A2 | 1 |
| 1 | Casing - 250# | 2.5K-250D-2 | 2.5KH-250D-2 | |
| | Casing (DI) | C3910-31-A12 | C5559-31-A12 | 1 |
| | Plugs | 04236 | 04236 | 6 |
| 73 | Case Gasket - 250# (Cellulose) | A7771-L13 | A7771-L13 | 1 |
| 9 | Suction Cover - 250# (DI) | 4444-1-A12 | B4577-11-1-A12 | 1 |
| 14 | Shaft Sleeve (BRZ) | H1993-1-C9 | H1993-1-C9 | 1 |
| | Shaft Sleeve (416 SS) | H1993-1-J2 | H1993-1-J2 | |
| | Shaft Sleeve (316 SS) | H1993-1-J4 | H1993-1-J4 | |
| 26 | Impeller Screw (302 SS) | Q60-3-J3 | Q60-3-J3 | 1 |
| 28 | Impeller Screw Washer (302 SS) | A6680-J3 | A6680-J3 | 1 |
| 32 | Impeller Key (303 SS) | Q21-5-J8 | Q21-5-J8 | 1 |
| 71 | Adapter - JP Frame (Iron) | C6385-1-A2 | C6385-1-A2 | 1 |
| 71 | Adapter - TCZ Frame (Iron) | C6679-A2 | C6679-A2 | 0 |
| - | Tubing - Black Impolene | Q30-6-V6TF | Q30-6-V6TF | 1 |
| - | Vent Cock (Brass) | Q24-1-C2 | Q24-1-C2 | 1 |
| | Vent Cock (Steel) | Q24-1-E4 | Q24-1-E4 | |
| PACKING | | | | |
| 13 | Packing | Q27-62-M2 | Q27-62-M2 | 1 |
| 17 | Stuffing Box Gland (Brass) | A5198-3-B5 | A5198-3-B5 | 1 |
| | Stuffing Box Gland (Iron) | A5198-3-A2 | A5198-3-A2 | |
| 17 | Gland Stud (brass) | Q17-70-C2 | Q17-70-C2 | 2 |
| | Gland Stud (SAE Grade 5) | Q17-70-E26 | Q17-70-E26 | |
| 17 | Gland Nut (Brass) | Q18-8-C2 | Q18-8-C2 | 2 |
| | Gland Nut (316 SS) | Q18-8-J4 | Q18-8-J4 | |
| 17 | Gland Washer (Steel) | Q20-3-E4 | Q20-3-E4 | 2 |
| 29 | Lantern Ring (Seal Cage) (Teflon) | A5350-V2 | A5350-V2 | 1 |
| 63 | Stuffing Box Bushing (416 SS) | A6759-J2 | A6759-J2 | 1 |
| - | Male Elbow - .25 x .25 (Brass) | Q30-11-C2 | Q30-11-C2 | 2 |
| | Male Elbow - .25 x .25 (Steel) | Q30-11-E4 | Q30-11-E4 | |

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| Shaft Group 2 | | 3G | 3K | Qty | Shaft Group 2 | | 3G | 3K | Qty | |
|---------------|----------------------------------|-------------|-------------|-----|---------------|----------------------------------|--------------------------------|-------------|-----|-----------|
| | MECHANICAL SEAL | | | | | | | | | |
| 17A | Seal Cap (Iron) | B8419-A2 | B8419-A2 | 1 | 17A | Seal Cap (Iron) | B8419-A2 | B8419-A2 | 1 | |
| 73D | Seal Cap Gasket (Cellulose) | A6500-L13 | A6500-L13 | 1 | 73D | Seal Cap Gasket (Cellulose) | A6500-L13 | A6500-L13 | 1 | |
| 65 & 80 | Mechanical Seal - STD | Q26-217-Y35 | Q26-217-Y35 | 1 | 65 & 80 | Mechanical Seal - STD | Q26-217-Y35 | Q26-217-Y35 | 1 | |
| 65 & 80 | Mechanical Seal - Hot Water | Q26-217-Y6 | Q26-217-Y6 | 1 | 65 & 80 | Mechanical Seal - Hot Water | Q26-217-Y6 | Q26-217-Y6 | 1 | |
| 68 | Seal Sleeve (Spacer) (BRZ) | A8494-C9 | A8493-C9 | 1 | 68 | Seal Sleeve (Spacer) (BRZ) | A8494-C9 | A8493-C9 | 1 | |
| | Seal Sleeve (Spacer) (416 SS) | A8494-J2 | A8493-J2 | | | | Seal Sleeve (Spacer) (416 SS) | A8494-J2 | | A8493-J2 |
| | Seal Sleeve (Spacer) (316 SS) | A8494-J4 | A8493-J4 | | | | Seal Sleeve (Spacer) (316 SS) | A8494-J4 | | A8493-J4 |
| - | Male Elbow - .25 x .25 (Brass) | Q30-11-C2 | Q30-11-C2 | 1 | - | Male Elbow - .25 x .25 (Brass) | Q30-11-C2 | Q30-11-C2 | 1 | |
| | Male Elbow - .25 x .25 (Steel) | Q30-11-E4 | Q30-11-E4 | | | | Male Elbow - .25 x .25 (Steel) | Q30-11-E4 | | Q30-11-E4 |
| | MECHANICAL SEAL | | | | | | | | | |
| 14 | Step Shaft Sleeve (BRZ) | A7460-C9 | A7460-C9 | 1 | 14 | Step Shaft Sleeve (BRZ) | A7460-C9 | A7460-C9 | 1 | |
| | Step Shaft Sleeve (416 SS) | A7460-J2 | A7460-J2 | | | | Step Shaft Sleeve (416 SS) | A7460-J2 | | A7460-J2 |
| | Step Shaft Sleeve (316 SS) | A7460-J4 | A7460-J4 | | | | Step Shaft Sleeve (316 SS) | A7460-J4 | | A7460-J4 |
| 17A | Seal Cap (Iron) | B8419-1-A2 | B8419-1-A2 | 1 | 17A | Seal Cap (Iron) | B8419-1-A2 | B8419-1-A2 | 1 | |
| 73D | Seal Cap Gasket (Cellulose) | A6500-L13 | A6500-L13 | 1 | 73D | Seal Cap Gasket (Cellulose) | A6500-L13 | A6500-L13 | 1 | |
| 65 & 80 | Balanced Mech. Seal - STD | Q26-319-Y34 | Q26-319-Y34 | 1 | 65 & 80 | Balanced Mech. Seal - STD | Q26-319-Y34 | Q26-319-Y34 | 1 | |
| 65 & 80 | Balanced Mech. Seal - Tung. Car. | Q26-319-Y17 | Q26-319-Y17 | 1 | 65 & 80 | Balanced Mech. Seal - Tung. Car. | Q26-319-Y17 | Q26-319-Y17 | 1 | |
| - | Step Sleeve O-ring (Rubber) | Q41-34-K9 | Q41-34-K9 | 1 | - | Step Sleeve O-ring (Rubber) | Q41-34-K9 | Q41-34-K9 | 1 | |
| - | Tubing - Copper | Q30-6-C6TF | Q30-6-C6TF | 1 | - | Tubing - Copper | Q30-6-C6TF | Q30-6-C6TF | 1 | |
| - | Tubing Steel (All Iron Pump) | Q30-6-E6 | Q30-6-E6 | 12" | - | Tubing Steel (All Iron Pump) | Q30-6-E6 | Q30-6-E6 | 12" | |
| 32 | Impeller Key (303 SS) | Q21-63-J8 | Q21-63-J8 | 1 | 32 | Impeller Key (303 SS) | Q21-63-J8 | Q21-63-J8 | 1 | |
| - | Male Elbow - .25 x .25 (Brass) | Q30-11-C2 | Q30-11-C2 | 1 | - | Male Elbow - .25 x .25 (Brass) | Q30-11-C2 | Q30-11-C2 | 1 | |
| | Male Elbow - .25 x .25 (Steel) | Q30-11-E4 | Q30-11-E4 | | | | Male Elbow - .25 x .25 (Steel) | Q30-11-E4 | | Q30-11-E4 |

| Shaft Group 2 | | 3G | 3K | Qty | Shaft Group 2 | | 3G | 3K | Qty | |
|---------------|-----------------------------------|-----------------------|---------------------|--------|---------------|-----------------------------------|--------------------------------|-----------------------|--------|---------------------|
| 2 | Impeller (BRZ) | B3885-11-B12 | B3983-2-B12 | 1 | 2 | Impeller (BRZ) | B3885-11-B12 | B3983-2-B12 | 1 | |
| 25 | Suction Cover Ring (BRZ) | A6809-C9 | A6623-C9 | 1 | 25 | Suction Cover Ring (BRZ) | A6809-C9 | A6623-C9 | 1 | |
| | Suction Cover Ring (Iron) | A6809-A2 | A6623-A2 | | | | Suction Cover Ring (Iron) | A6809-A2 | | A6623-A2 |
| - | Double Wear Rings (BRZ) | A5577-C9 & H1187-2-C9 | A6145-C9 & A6146-C9 | 1 each | - | Double Wear Rings (BRZ) | A5577-C9 & H1187-2-C9 | A6145-C9 & A6146-C9 | 1 each | |
| | Double Wear Rings (Iron) | A5577-A2 & H1187-2-A2 | A6145-A2 & A6146-A2 | | | | Double Wear Rings (Iron) | A5577-A2 & H1187-2-A2 | | A6145-A2 & A6146-A2 |
| 2 | Impeller (BRZ) | N/A | B3989-2-B12 | 1 | 2 | Impeller (BRZ) | N/A | B3989-2-B12 | 1 | |
| 25 | Suction Cover Ring (BRZ) | N/A | A6623-C9 | 1 | 25 | Suction Cover Ring (BRZ) | N/A | A6623-C9 | 1 | |
| | Suction Cover Ring (Iron) | N/A | A6623-A2 | | | | Suction Cover Ring (Iron) | N/A | | A6623-A2 |
| - | Double Wear Rings (BRZ) | N/A | A6145-C9 & C6146-C9 | 1 each | - | Double Wear Rings (BRZ) | N/A | A6145-C9 & C6146-C9 | 1 each | |
| | Double Wear Rings | N/A | A6145-A2 & C6146-A2 | | | | Double Wear Rings | N/A | | A6145-A2 & C6146-A2 |
| 1 | Casing - 125# | 3G-125-2 | 3K-125-2 | | 1 | Casing - 125# | 3G-125-2 | 3K-125-2 | | |
| | Casing (Iron) | C6681-30-A2 | N/A | 1 | | Casing (Iron) | C6681-30-A2 | N/A | 1 | |
| | Casing (DI) | N/A | C5537-30-A12 | | | | Casing (DI) | N/A | | C5537-30-A12 |
| | Plugs | 04236 | 04236 | 6 | | Plugs | 04236 | 04236 | 6 | |
| 73 | Case Gasket - 125# (Cellulose) | A6345-L13 | A6346-L13 | 1 | 73 | Case Gasket - 125# (Cellulose) | A6345-L13 | A6346-L13 | 1 | |
| 9 | Suction Cover - 125# (Iron) | B3884-10-1-A2 | N/A | 1 | 9 | Suction Cover - 125# (Iron) | B3884-10-1-A2 | N/A | 1 | |
| | Suction Cover - 125# (DI) | N/A | 3015-1-A12 | | | | Suction Cover - 125# (DI) | N/A | | 3015-1-A12 |
| 1 | Casing - 250# | 3G-250D-2 | 3K-250D-2 | | 1 | Casing - 250# | 3G-250D-2 | 3K-250D-2 | | |
| | Casing (DI) | C6681-31-A12 | C5537-31-A12 | 1 | | Casing (DI) | C6681-31-A12 | C5537-31-A12 | 1 | |
| | Plugs | 04236 | 04236 | 6 | | Plugs | 04236 | 04236 | 6 | |
| 73 | Case Gasket - 250# (Cellulose) | A7444-L13 | A7771-L13 | 1 | 73 | Case Gasket - 250# (Cellulose) | A7444-L13 | A7771-L13 | 1 | |
| 9 | Suction Cover - 250# (DI) | B3884-11-1-A12 | C3984-11-A12 | 1 | 9 | Suction Cover - 250# (DI) | B3884-11-1-A12 | C3984-11-A12 | 1 | |
| 14 | Shaft Sleeve (BRZ) | H1993-1-C9 | H1993-1-C9 | 1 | 14 | Shaft Sleeve (BRZ) | H1993-1-C9 | H1993-1-C9 | 1 | |
| | Shaft Sleeve (416 SS) | H1993-1-J2 | H1993-1-J2 | | | | Shaft Sleeve (416 SS) | H1993-1-J2 | | H1993-1-J2 |
| | Shaft Sleeve (316 SS) | H1993-1-J4 | H1993-1-J4 | | | | Shaft Sleeve (316 SS) | H1993-1-J4 | | H1993-1-J4 |
| 26 | Impeller Screw (302 SS) | Q60-3-J3 | Q60-3-J3 | 1 | 26 | Impeller Screw (302 SS) | Q60-3-J3 | Q60-3-J3 | 1 | |
| 28 | Impeller Screw Washer (302 SS) | A6680-J3 | A6680-J3 | 1 | 28 | Impeller Screw Washer (302 SS) | A6680-J3 | A6680-J3 | 1 | |
| 32 | Impeller Key (303 SS) | Q21-5-J8 | Q21-5-J8 | 1 | 32 | Impeller Key (303 SS) | Q21-5-J8 | Q21-5-J8 | 1 | |
| 71 | Adapter - JP Frame (Iron) | C6385-1-A2 | C6385-1-A2 | 1 | 71 | Adapter - JP Frame (Iron) | C6385-1-A2 | C6385-1-A2 | 1 | |
| 71 | Adapter - TCZ Frame | C6679-A2 | C6679-A2 | 0 | 71 | Adapter - TCZ Frame | C6679-A2 | C6679-A2 | 0 | |
| - | Tubing - Black Impolene | Q30-6-V6TF | Q30-6-V6TF | 1 | - | Tubing - Black Impolene | Q30-6-V6TF | Q30-6-V6TF | 1 | |
| - | Vent Cock (Brass) | Q24-1-C2 | Q24-1-C2 | 1 | - | Vent Cock (Brass) | Q24-1-C2 | Q24-1-C2 | 1 | |
| | Vent Cock (Steel) | Q24-1-E4 | Q24-1-E4 | | | | Vent Cock (Steel) | Q24-1-E4 | | Q24-1-E4 |
| | PACKING | | | | | | | | | |
| 13 | Packing | Q27-62-M2 | Q27-62-M2 | 1 | 13 | Packing | Q27-62-M2 | Q27-62-M2 | 1 | |
| 17 | Stuffing Box Gland (Brass) | A5198-3-B5 | A5198-3-B5 | 1 | 17 | Stuffing Box Gland (Brass) | A5198-3-B5 | A5198-3-B5 | 1 | |
| | Stuffing Box Gland (Iron) | A5198-3-A2 | A5198-3-A2 | | | | Stuffing Box Gland (Iron) | A5198-3-A2 | | A5198-3-A2 |
| 17 | Gland Stud (Brass) | Q17-70-C2 | Q17-70-C2 | 2 | 17 | Gland Stud (Brass) | Q17-70-C2 | Q17-70-C2 | 2 | |
| | Gland Stud (SAE Grade 5) | Q17-70-E26 | Q17-70-E26 | | | | Gland Stud (SAE Grade 5) | Q17-70-E26 | | Q17-70-E26 |
| 17 | Gland Nut (Brass) | Q18-8-C2 | Q18-8-C2 | 2 | 17 | Gland Nut (Brass) | Q18-8-C2 | Q18-8-C2 | 2 | |
| | Gland Nut (316 SS) | Q18-8-J4 | Q18-8-J4 | | | | Gland Nut (316 SS) | Q18-8-J4 | | Q18-8-J4 |
| 17 | Gland Washer (Steel) | Q20-3-E4 | Q20-3-E4 | 2 | 17 | Gland Washer (Steel) | Q20-3-E4 | Q20-3-E4 | 2 | |
| 29 | Lantern Ring (Seal Cage) (Teflon) | A5350-V2 | A5350-V2 | 1 | 29 | Lantern Ring (Seal Cage) (Teflon) | A5350-V2 | A5350-V2 | 1 | |
| 63 | Stuffing Box Bushing (416 SS) | A6759-J2 | A6759-J2 | 1 | 63 | Stuffing Box Bushing (416 SS) | A6759-J2 | A6759-J2 | 1 | |
| - | Male Elbow - .25 x .25 (Brass) | Q30-11-C2 | Q30-11-C2 | 2 | - | Male Elbow - .25 x .25 (Brass) | Q30-11-C2 | Q30-11-C2 | 2 | |
| | Male Elbow - .25 x .25 (Steel) | Q30-11-E4 | Q30-11-E4 | | | | Male Elbow - .25 x .25 (Steel) | Q30-11-E4 | | Q30-11-E4 |

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| Shaft Group 2 | | 3KH | 4G | Qty |
|------------------------|--|-------------|-------------|-----|
| MECHANICAL SEAL | | | | |
| 17A | Seal Cap (Iron) | B8419-A2 | B8419-A2 | 1 |
| 73D | Seal Cap Gasket (Cellulose) | A6500-L13 | A6500-L13 | 1 |
| 65 & 80 | Mechanical Seal - STD | Q26-217-Y35 | Q26-217-Y35 | 1 |
| 65 & 80 | Mechanical Seal - Hot Water | Q26-217-Y6 | Q26-217-Y6 | 1 |
| 68 | Seal Sleeve (Spacer) (BRZ) Seal Sleeve (Spacer) (416 SS) Seal Sleeve (Spacer) (316 SS) | A8494-C9 | A8493-C9 | 1 |
| | | A8494-J2 | A8493-J2 | |
| | | A8494-J4 | A8493-J4 | |
| - | Male Elbow - .25 x .25 (Brass) Male Elbow - .25 x .25 (Steel) | Q30-11-C2 | Q30-11-C2 | 1 |
| | | Q30-11-E4 | Q30-11-E4 | |
| MECHANICAL SEAL | | | | |
| 14 | Step Shaft Sleeve (BRZ) Step Shaft Sleeve (416 SS) Step Shaft Sleeve (316 SS) | A7460-C9 | A7460-C9 | 1 |
| | | A7460-J2 | A7460-J2 | |
| | | A7460-J4 | A7460-J4 | |
| 17A | Seal Cap (Iron) | B8419-1-A2 | B8419-1-A2 | 1 |
| 73D | Seal Cap Gasket (Cellulose) | A6500-L13 | A6500-L13 | 1 |
| 65 & 80 | Balanced Mech. Seal - STD | Q26-319-Y34 | Q26-319-Y34 | 1 |
| 65 & 80 | Balanced Mech. Seal - Tung. Car. | Q26-319-Y17 | Q26-319-Y17 | 1 |
| - | Step Sleeve O-ring (Rubber) | Q41-34-K9 | Q41-34-K9 | 1 |
| - | Tubing - Copper | Q30-6-C6TF | Q30-6-C6TF | 1 |
| - | Tubing Steel (All Iron Pump) | Q30-6-E6 | Q30-6-E6 | 12" |
| 32 | Impeller Key (303 SS) | Q21-63-J8 | Q21-63-J8 | 1 |
| - | Male Elbow - .25 x .25 (Brass) Male Elbow - .25 x .25 (Steel) | Q30-11-C2 | Q30-11-C2 | 1 |
| | | Q30-11-E4 | Q30-11-E4 | |

| Shaft Group 2 | | 3KH | 4G | Qty |
|----------------|--|---------------------|-------------------------|--------|
| 2 | Impeller (BRZ) | B4564-1-B12 | B6420-10-B12 | 1 |
| 25 | Suction Cover Ring (BRZ) Suction Cover Ring (Iron) | A6812-C9 | H484H-1-C9 | 1 |
| | | A6812-A2 | H484H-1-A2 | |
| - | Double Wear Rings (BRZ) Double Wear Rings (Iron) | A6811-C9 & A8048-C9 | A6810-C9 & A7592-C9 | 1 each |
| | | A6811-A2 & A8048-A2 | A6810-A2 & A7592-A2 | |
| 2 | Impeller (BRZ) | B4567-1-B12 | C5508-11-B12 | 1 |
| 25 | Suction Cover Ring (BRZ) Suction Cover Ring (Iron) | A6811-C9 | A6810-C9 | 1 |
| | | A6811-A2 | A6810-A2 | |
| - | Double Wear Rings (BRZ) Double Wear Rings (Iron) | N/A | H1440-1-C9 & H2177-1-C9 | 1 each |
| | | N/A | H1440-1-A2 & H2177-1-A2 | |
| 1 | Casing - 125# | 3KH-125-2 | 4G-125-2 | |
| | Casing (Iron) | C4565-30-A2 | C6682-30-A2 | 1 |
| | Plugs | 04236 | 04236 | 6 |
| 73 | Case Gasket - 125# (Cellulose) | A6083-L13 | A6345-L13 | 1 |
| 9 | Suction Cover - 125# (Iron) | 3792-1-A2 | C3881-10-1-A2 | 1 |
| 1 | Casing - 250# | 3KH-250D-2 | 4G-250D-2 | |
| | Casing (DI) | C4565-31-A12 | C6682-31-A12 | 1 |
| | Plugs | 04236 | 04236 | 6 |
| 73 | Case Gasket - 250# (Cellulose) | A7777-L13 | A7444-L13 | 1 |
| 9 | Suction Cover - 250# (DI) | C4566-11-A12 | C3881-11-A12 | 1 |
| 14 | Shaft Sleeve (BRZ) Shaft Sleeve (416 SS) Shaft Sleeve (316 SS) | H1993-1-C9 | H1993-1-C9 | 1 |
| | | H1993-1-J2 | H1993-1-J2 | |
| | | H1993-1-J4 | H1993-1-J4 | |
| 26 | Impeller Screw (302 SS) | Q60-3-J3 | Q60-3-J3 | 1 |
| 28 | Impeller Screw Washer (302 SS) | A6680-J3 | A6680-J3 | 1 |
| 32 | Impeller Key (303 SS) | Q21-5-J8 | Q21-5-J8 | 1 |
| 71 | Adapter - JP Frame (Iron) | C6385-1-A2 | C6385-1-A2 | 1 |
| 71 | Adapter - TCZ Frame (Iron) | C6679-A2 | C6679-A2 | 0 |
| - | Tubing - Black Impolene | Q30-6-V6TF | Q30-6-V6TF | 1 |
| - | Vent Cock (Brass) Vent Cock (Steel) | Q24-1-C2 | Q24-1-C2 | 1 |
| | | Q24-1-E4 | Q24-1-E4 | |
| PACKING | | | | |
| 13 | Packing | Q27-62-M2 | Q27-62-M2 | 1 |
| 17 | Stuffing Box Gland (Brass) Stuffing Box Gland (Iron) | A5198-3-B5 | A5198-3-B5 | 1 |
| | | A5198-3-A2 | A5198-3-A2 | |
| 17 | Gland Stud (Brass) Gland Stud (SAE Grade 5) | Q17-70-C2 | Q17-70-C2 | 2 |
| | | Q17-70-E26 | Q17-70-E26 | |
| 17 | Gland Nut (Brass) Gland Nut (316 SS) | Q18-8-C2 | Q18-8-C2 | 2 |
| | | Q18-8-J4 | Q18-8-J4 | |
| 17 | Gland Washer (Steel) | Q20-3-E4 | Q20-3-E4 | 2 |
| 29 | Lantern Ring (Seal Cage) | A5350-V2 | A5350-V2 | 1 |
| 63 | Stuffing Box Bushing (416 SS) | A6759-J2 | A6759-J2 | 1 |
| - | Male Elbow - .25 x .25 (Brass) Male Elbow - .25 x .25 (Steel) | Q30-11-C2 | Q30-11-C2 | 2 |
| | | Q30-11-E4 | Q30-11-E4 | |

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A Crane Co. Company

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| Shaft Group 2 | | 4GL | 4K | Qty |
|------------------------|----------------------------------|-------------|-------------|-----|
| MECHANICAL SEAL | | | | |
| 17A | Seal Cap (Iron) | B8419-A2 | B8419-A2 | 1 |
| 73D | Seal Cap Gasket (Cellulose) | A6500-L13 | A6500-L13 | 1 |
| 65 & 80 | Mechanical Seal - STD | Q26-217-Y35 | Q26-217-Y35 | 1 |
| 65 & 80 | Mechanical Seal - Hot Water | Q26-217-Y6 | Q26-217-Y6 | 1 |
| 68 | Seal Sleeve (Spacer) (BRZ) | A8494-C9 | A8493-C9 | 1 |
| | Seal Sleeve (Spacer) (416 SS) | A8494-J2 | A8493-J2 | |
| | Seal Sleeve (Spacer) (316 SS) | A8494-J4 | A8493-J4 | |
| - | Male Elbow - .25 x .25 (Brass) | Q30-11-C2 | Q30-11-C2 | 1 |
| | Male Elbow - .25 x .25 (Steel) | Q30-11-E4 | Q30-11-E4 | |
| MECHANICAL SEAL | | | | |
| 14 | Step Shaft Sleeve (BRZ) | A7460-C9 | A7460-C9 | 1 |
| | Step Shaft Sleeve (416 SS) | A7460-J2 | A7460-J2 | |
| | Step Shaft Sleeve (316 SS) | A7460-J4 | A7460-J4 | |
| 17A | Seal Cap (Iron) | B8419-1-A2 | B8419-1-A2 | 1 |
| 73D | Seal Cap Gasket (Cellulose) | A6500-L13 | A6500-L13 | 1 |
| 65 & 80 | Balanced Mech. Seal - STD | Q26-319-Y34 | Q26-319-Y34 | 1 |
| 65 & 80 | Balanced Mech. Seal - Tung. Car. | Q26-319-Y17 | Q26-319-Y17 | 1 |
| - | Step Sleeve O-ring (Rubber) | Q41-34-K9 | Q41-34-K9 | 1 |
| - | Tubing - Copper | Q30-6-C6TF | Q30-6-C6TF | 1 |
| - | Tubing Steel (All Iron Pump) | Q30-6-E6 | Q30-6-E6 | 12" |
| 32 | Impeller Key (303 SS) | Q21-63-J8 | Q21-63-J8 | 1 |
| - | Male Elbow - .25 x .25 (Brass) | Q30-11-C2 | Q30-11-C2 | 1 |
| | Male Elbow - .25 x .25 (Steel) | Q30-11-E4 | Q30-11-E4 | |

| Shaft Group 2 | | 4GL | 4K | Qty |
|----------------|-----------------------------------|---------------------|-------------------------|--------|
| 2 | Impeller (BRZ) | B4775-10-B12 | B4379-1-B12 | 1 |
| 25 | Suction Cover Ring (BRZ) | H484-1-C9 | A6810-C9 | 1 |
| | Suction Cover Ring (Iron) | H484-1-A2 | A6810-A2 | |
| - | Double Wear Rings (BRZ) | A6810-C9 & A7592-C9 | H1440-1-C9 & H2177-1-C9 | 1 each |
| | Double Wear Rings (Iron) | A6810-A2 & A7592-A2 | H1440-1-A2 & H2177-1-A2 | |
| 1 | Casing - 125# | 4GL-125-2 | 4K-125-2 | |
| | Casing (Iron) | C6682-30-A2 | C4380-30-A12 | 1 |
| | Plugs | 04236 | 04236 | 6 |
| 73 | Case Gasket - 125# (Cellulose) | A6345-L13 | A6083-L13 | 1 |
| 9 | Suction Cover - 125# (Iron) | N/A | 3503-1-A2 | 1 |
| | Suction Cover - 125# (DI) | C3881-11-A12 | N/A | |
| 1 | Casing - 250# | 4GL-250D-2 | 4K-250D-2 | |
| | Casing (DI) | C6682-31-A12 | C4380-31-A12 | 1 |
| | Plugs | 04236 | 04236 | 6 |
| 73 | Case Gasket - 250# (Cellulose) | A7444-L13 | A7777-L13 | 1 |
| 9 | Suction Cover - 250# (DI) | C3881-11-A12 | C4381-10-A12 | 1 |
| 14 | Shaft Sleeve (BRZ) | H1993-1-C9 | H1993-1-C9 | 1 |
| | Shaft Sleeve (416 SS) | H1993-1-J2 | H1993-1-J2 | |
| | Shaft Sleeve (316 SS) | H1993-1-J4 | H1993-1-J4 | |
| 26 | Impeller Screw (302 SS) | Q60-3-J3 | Q60-3-J3 | 1 |
| 28 | Impeller Screw Washer (302 SS) | A6680-J3 | A6680-J3 | 1 |
| 32 | Impeller Key (303 SS) | Q21-5-J8 | Q21-5-J8 | 1 |
| 71 | Adapter - JP Frame (Iron) | C6385-1-A2 | C6385-1-A2 | 1 |
| 71 | Adapter - TCZ Frame (Iron) | C6679-A2 | C6679-A2 | 0 |
| - | Tubing - Black Impolene | Q30-6-V6TF | Q30-6-V6TF | 1 |
| - | Vent Cock (Brass) | Q24-1-C2 | Q24-1-C2 | 1 |
| | Vent Cock (Steel) | Q24-1-E4 | Q24-1-E4 | |
| PACKING | | | | |
| 13 | Packing | Q27-62-M2 | Q27-62-M2 | 1 |
| 17 | Stuffing Box Gland (Brass) | A5198-3-B5 | A5198-3-B5 | 1 |
| | Stuffing Box Gland (Iron) | A5198-3-A2 | A5198-3-A2 | |
| 17 | Gland Stud (Brass) | Q17-70-C2 | Q17-70-C2 | 2 |
| | Gland Stud (SAE Grade 5) | Q17-70-E26 | Q17-70-E26 | |
| 17 | Gland Nut (Brass) | Q18-8-C2 | Q18-8-C2 | 2 |
| | Gland Nut (316 SS) | Q18-8-J4 | Q18-8-J4 | |
| 17 | Gland Washer (Steel) | Q20-3-E4 | Q20-3-E4 | 2 |
| 29 | Lantern Ring (Seal Cage) (Teflon) | A5350-V2 | A5350-V2 | 1 |
| 63 | Stuffing Box Bushing (416 SS) | A6759-J2 | A6759-J2 | 1 |
| - | Male Elbow - .25 x .25 (Brass) | Q30-11-C2 | Q30-11-C2 | 2 |
| | Male Elbow - .25 x .25 (Steel) | Q30-11-E4 | Q30-11-E4 | |

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| Shaft Group 2 | | 4KL | 4KS | Qty |
|------------------------|----------------------------------|-------------|-------------|-----|
| MECHANICAL SEAL | | | | |
| 17A | Seal Cap (Iron) | B8419-A2 | B8419-A2 | 1 |
| 73D | Seal Cap Gasket (Cellulose) | A6500-L13 | A6500-L13 | 1 |
| 65 & 80 | Mechanical Seal - STD | Q26-217-Y35 | Q26-217-Y35 | 1 |
| 65 & 80 | Mechanical Seal - Hot Water | Q26-217-Y6 | Q26-217-Y6 | 1 |
| 68 | Seal Sleeve (Spacer) (BRZ) | A8494-C9 | A8493-C9 | 1 |
| | Seal Sleeve (Spacer) (416 SS) | A8494-J2 | A8493-J2 | |
| | Seal Sleeve (Spacer) (316 SS) | A8494-J4 | A8493-J4 | |
| - | Male Elbow - .25 x .25 (Brass) | Q30-11-C2 | Q30-11-C2 | 1 |
| | Male Elbow - .25 x .25 (Steel) | Q30-11-E4 | Q30-11-E4 | |
| MECHANICAL SEAL | | | | |
| 14 | Step Shaft Sleeve (BRZ) | A7460-C9 | A7460-C9 | 1 |
| | Step Shaft Sleeve (416 SS) | A7460-J2 | A7460-J2 | |
| | Step Shaft Sleeve (316 SS) | A7460-J4 | A7460-J4 | |
| 17A | Seal Cap (Iron) | B8419-1-A2 | B8419-1-A2 | 1 |
| 73D | Seal Cap Gasket (Cellulose) | A6500-L13 | A6500-L13 | 1 |
| 65 & 80 | Balanced Mech. Seal - STD | Q26-319-Y34 | Q26-319-Y34 | 1 |
| 65 & 80 | Balanced Mech. Seal - Tung. Car. | Q26-319-Y17 | Q26-319-Y17 | 1 |
| - | Step Sleeve O-ring (Rubber) | Q41-34-K9 | Q41-34-K9 | 1 |
| - | Tubing - Copper | Q30-6-C6TF | Q30-6-C6TF | 1 |
| - | Tubing Steel (All Iron Pump) | Q30-6-E6 | Q30-6-E6 | 12" |
| 32 | Impeller Key (303 SS) | Q21-63-J8 | Q21-63-J8 | 1 |
| - | Male Elbow - .25 x .25 (Brass) | Q30-11-C2 | Q30-11-C2 | 1 |
| | Male Elbow - .25 x .25 (Steel) | Q30-11-E4 | Q30-11-E4 | |

| Shaft Group 2 | | 4KL | 4KS | Qty |
|----------------|-----------------------------------|---------------------|-------------------------|--------|
| 2 | Impeller (BRZ) | C5412-B12 | C4379-3-B12 | 1 |
| 25 | Suction Cover Ring (BRZ) | H1440-1-C9 | A6810-C9 | 1 |
| | Suction Cover Ring (Iron) | H1440-1-A2 | A6810-A2 | |
| - | Double Wear Rings (BRZ) | A6595-C9 & A6596-C9 | H1440-1-C9 & H2177-1-C9 | 1 each |
| | Double Wear Rings (Iron) | A6595-A2 & A6596-A2 | H1440-1-A2 & H2177-1-A2 | |
| 1 | Casing - 125# | 4KL-125-2 | 4KS-125-2 | |
| | Casing (Iron) | C5533-30-A2 | C4380-32-A2 | 1 |
| | Plugs | 04236 | 04236 | 6 |
| 73 | Case Gasket - 125# (Cellulose) | A6346-L13 | A6007-L13 | 1 |
| 9 | Suction Cover - 125# (Iron) | B5531-A2 | C438-11-A2 | 1 |
| 1 | Casing - 250# | 4KL-250D-2 | 4KS-250D-2 | |
| | Casing (DI) | C5533-31-A12 | C4380-33-A12 | 1 |
| | Plugs | 04236 | 04236 | 6 |
| 73 | Case Gasket - 250# (Cellulose) | A7771-L13 | A7771-2-L13 | 1 |
| 9 | Suction Cover - 250# (DI) | B5531-10-A12 | C4381-12-A12 | 1 |
| 14 | Shaft Sleeve (BRZ) | H1993-1-C9 | H1993-1-C9 | 1 |
| | Shaft Sleeve (416 SS) | H1993-1-J2 | H1993-1-J2 | |
| | Shaft Sleeve (316 SS) | H1993-1-J4 | H1993-1-J4 | |
| 26 | Impeller Screw (302 SS) | Q60-3-J3 | Q60-3-J3 | 1 |
| 28 | Impeller Screw Washer (302 SS) | A6680-J3 | A6680-J3 | 1 |
| 32 | Impeller Key (303 SS) | Q21-5-J8 | Q21-5-J8 | 1 |
| 71 | Adapter - JP Frame (Iron) | C6385-1-A2 | C6385-1-A2 | 1 |
| 71 | Adapter - TCZ Frame (Iron) | C6679-A2 | C6679-A2 | 0 |
| - | Tubing - Black Impolene | Q30-6-V6TF | Q30-6-V6TF | 1 |
| - | Vent Cock (Brass) | Q24-1-C2 | Q24-1-C2 | 1 |
| | Vent Cock (Steel) | Q24-1-E4 | Q24-1-E4 | |
| PACKING | | | | |
| 13 | Packing | Q27-62-M2 | Q27-62-M2 | 1 |
| 17 | Stuffing Box Gland (Brass) | A5198-3-B5 | A5198-3-B5 | 1 |
| | Stuffing Box Gland (Iron) | A5198-3-A2 | A5198-3-A2 | |
| 17 | Gland Stud (Brass) | Q17-70-C2 | Q17-70-C2 | 2 |
| | Gland Stud (SAE Grade 5) | Q17-70-E26 | Q17-70-E26 | |
| 17 | Gland Nut (Brass) | Q18-8-C2 | Q18-8-C2 | 2 |
| | Gland Nut (316 SS) | Q18-8-J4 | Q18-8-J4 | |
| 17 | Gland Washer (Steel) | Q20-3-E4 | Q20-3-E4 | 2 |
| 29 | Lantern Ring (Seal Cage) (Teflon) | A5350-V2 | A5350-V2 | 1 |
| 63 | Stuffing Box Bushing (416 SS) | A6759-J2 | A6759-J2 | 1 |
| - | Male Elbow - .25 x .25 (Brass) | Q30-11-C2 | Q30-11-C2 | 2 |
| | Male Elbow - .25 x .25 (Steel) | Q30-11-E4 | Q30-11-E4 | |

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| Shaft Group 2 | | 5G | 6G | Qty |
|---------------|----------------------------------|-------------|-------------|-----|
| | MECHANICAL SEAL | | | |
| 17A | Seal Cap (Iron) | B8419-A2 | B8419-A2 | 1 |
| 73D | Seal Cap Gasket (Cellulose) | A6500-L13 | A6500-L13 | 1 |
| 65 & 80 | Mechanical Seal - STD | Q26-217-Y35 | Q26-217-Y35 | 1 |
| 65 & 80 | Mechanical Seal - Hot Water | Q26-217-Y6 | Q26-217-Y6 | 1 |
| 68 | Seal Sleeve (Spacer) (BRZ) | A8494-C9 | A8494-C9 | 1 |
| | Seal Sleeve (Spacer) (416 SS) | A8494-J2 | A8494-J2 | |
| | Seal Sleeve (Spacer) (316 SS) | A8494-J4 | A8494-J4 | |
| - | Male Elbow - .25 x .25 (Brass) | Q30-11-C2 | Q30-11-C2 | 1 |
| | Male Elbow - .25 x .25 (Steel) | Q30-11-E4 | Q30-11-E4 | |
| | MECHANICAL SEAL | | | |
| 14 | Step Shaft Sleeve (BRZ) | A7460-C9 | A7460-C9 | 1 |
| | Step Shaft Sleeve (416 SS) | A7460-J2 | A7460-J2 | |
| | Step Shaft Sleeve (316 SS) | A7460-J4 | A7460-J4 | |
| 17A | Seal Cap (Iron) | B8419-1-A2 | B8419-1-A2 | 1 |
| 73D | Seal Cap Gasket (Cellulose) | A6500-L13 | A6500-L13 | 1 |
| 65 & 80 | Balanced Mech. Seal - STD | Q26-319-Y34 | Q26-319-Y34 | 1 |
| 65 & 80 | Balanced Mech. Seal - Tung. Car. | Q26-319-Y17 | Q26-319-Y17 | 1 |
| - | Step Sleeve O-ring (Rubber) | Q41-34-K9 | Q41-34-K9 | 1 |
| - | Tubing - Copper | Q30-6-C6TF | Q30-6-C6TF | 1 |
| - | Tubing Steel (All Iron Pump) | Q30-6-E6 | Q30-6-E6 | 12" |
| 32 | Impeller Key (303 SS) | Q21-63-J8 | Q21-63-J8 | 1 |
| - | Male Elbow - .25 x .25 (Brass) | Q30-11-C2 | Q30-11-C2 | 1 |
| | Male Elbow - .25 x .25 (Steel) | Q30-11-E4 | Q30-11-E4 | |

| Shaft Group 2 | | 5G | 6G | Qty |
|---------------|-----------------------------------|---------------------|---------------------|--------|
| 2 | Impeller (BRZ) | 4378-1-B12 | 4511-1-B12 | 1 |
| 25 | Suction Cover Ring (BRZ) | H2322-1-C9 | H1960-1-C9 | 1 |
| | Suction Cover Ring (Iron) | H2322-1-A2 | H1960-1-A2 | |
| - | Double Wear Rings (BRZ) | A6595-C9 & C6596-C9 | A6442-C9 & A6443-C9 | 1 each |
| | Double Wear Rings (Iron) | A6595-A2 & C6596-A2 | A6442-A2 & A6443-A2 | |
| 1 | Casing - 125# | 5G-125-2 | 6G-125-2 | |
| | Casing (Iron) | C4816-30-A2 | N/A | 1 |
| | Casing (DI) | N/A | C4872-30-A12 | |
| | Plugs | 003217 | 003217 | 6 |
| 73 | Case Gasket - 125# (Cellulose) | A6082-L13 | A6346-L13 | 1 |
| 9 | Suction Cover - 125# (Iron) | H2321-1-A2 | 4513-1-A2 | 1 |
| 1 | Casing - 250# | 5G-250D-2 | 6G-250D-2 | |
| | Casing | N/A | N/A | 1 |
| | Plugs | 003217 | N/A | 6 |
| 73 | Case Gasket - 250# (Cellulose) | A8287-L13 | N/A | 1 |
| 9 | Suction Cover - 250# (DI) | B4841-10-A12 | N/A | 1 |
| 14 | Shaft Sleeve (BRZ) | H1993-1-C9 | H1993-1-C9 | 1 |
| | Shaft Sleeve (416 SS) | H1993-1-J2 | H1993-1-J2 | |
| | Shaft Sleeve (316 SS) | H1993-1-J4 | H1993-1-J4 | |
| 26 | Impeller Screw (302 SS) | Q60-3-J3 | Q60-3-J3 | 1 |
| 28 | Impeller Screw Washer (302 SS) | A6680-J3 | A6680-J3 | 1 |
| 32 | Impeller Key (303 SS) | Q21-5-J8 | Q21-5-J8 | 1 |
| 71 | Adapter - JP Frame (Iron) | C6385-1-A2 | C6385-1-A2 | 1 |
| 71 | Adapter - TCZ Frame (Iron) | C6679-A2 | C6679-A2 | 0 |
| - | Tubing - Black Impolene | Q30-6-V6TF | Q30-6-V6TF | 1 |
| - | Vent Cock (Brass) | Q24-1-C2 | Q24-1-C2 | 1 |
| | Vent Cock (Steel) | Q24-1-E4 | Q24-1-E4 | |
| | PACKING | | | |
| 13 | Packing | Q27-62-M2 | Q27-62-M2 | 1 |
| 17 | Stuffing Box Gland (Brass) | A5198-3-B5 | A5198-3-B5 | 1 |
| | Stuffing Box Gland (Iron) | A5198-3-A2 | A5198-3-A2 | |
| 17 | Gland Stud (Brass) | Q17-70-C2 | Q17-70-C2 | 2 |
| | Gland Stud (SAE Grade 5) | Q17-70-E26 | Q17-70-E26 | |
| 17 | Gland Nut (Brass) | Q18-8-C2 | Q18-8-C2 | 2 |
| | Gland Nut (316 SS) | Q18-8-J4 | Q18-8-J4 | |
| 17 | Gland Washer (Steel) | Q20-3-E4 | Q20-3-E4 | 2 |
| 29 | Lantern Ring (Seal Cage) (Teflon) | A5350-V2 | A5350-V2 | 1 |
| 63 | Stuffing Box Bushing (416 SS) | A6759-J2 | A6759-J2 | 1 |
| - | Male Elbow - .25 x .25 (Brass) | Q30-11-C2 | Q30-11-C2 | 2 |
| | Male Elbow - .25 x .25 (Steel) | Q30-11-E4 | Q30-11-E4 | |

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Repair Parts

| Shaft Group 2 | | 6K | Qty |
|------------------------|----------------------------------|-------------|-----|
| MECHANICAL SEAL | | | |
| 17A | Seal Cap (Iron) | B8419-A2 | 1 |
| 73D | Seal Cap Gasket (Cellulose) | A6500-L13 | 1 |
| 65 & 80 | Mechanical Seal - STD | Q26-217-Y35 | 1 |
| 65 & 80 | Mechanical Seal - Hot Water | Q26-217-Y6 | 1 |
| 68 | Seal Sleeve (Spacer) (BRZ) | A8494-C9 | 1 |
| | Seal Sleeve (Spacer) (416 SS) | A8494-J2 | |
| | Seal Sleeve (Spacer) (316 SS) | A8494-J4 | |
| - | Male Elbow - .25 x .25 (Brass) | Q30-11-C2 | 1 |
| | Male Elbow - .25 x .25 (Steel) | Q30-11-E4 | |
| MECHANICAL SEAL | | | |
| 14 | Step Shaft Sleeve (BRZ) | A7460-C9 | 1 |
| | Step Shaft Sleeve (416 SS) | A7460-J2 | |
| | Step Shaft Sleeve (316 SS) | A7460-J4 | |
| 17A | Seal Cap (Iron) | B8419-1-A2 | 1 |
| 73D | Seal Cap Gasket (Cellulose) | A6500-L13 | 1 |
| 65 & 80 | Balanced Mech. Seal - STD | Q26-319-Y34 | 1 |
| 65 & 80 | Balanced Mech. Seal - Tung. Car. | Q26-319-Y17 | 1 |
| - | Step Sleeve O-ring (Rubber) | Q41-34-K9 | 1 |
| - | Tubing - Copper | Q30-6-C6TF | 1 |
| - | Tubing Steel (All Iron Pump) | Q30-6-E6 | 12" |
| 32 | Impeller Key (303 SS) | Q21-63-J8 | 1 |
| - | Male Elbow - .25 x .25 (Brass) | Q30-11-C2 | 1 |
| | Male Elbow - .25 x .25 (Steel) | Q30-11-E4 | |

| Shaft Group 2 | | 6K | Qty |
|----------------|-----------------------------------|---------------------|--------|
| 2 | Impeller (BRZ) | D325811P01-B12 | 1 |
| 25 | Suction Cover Ring (BRZ) | H1960-1-C9 | 1 |
| | Suction Cover Ring (Iron) | H1960-1-A2 | |
| - | Double Wear Rings (BRZ) | A5849-C9 & A5850-C9 | 1 each |
| | Double Wear Rings (Iron) | A5849-A2 & A5850-A2 | |
| 1 | Casing - 125# | 6K-125-2 | |
| | Casing (DI) | C4719-30-A12 | 1 |
| | Plugs | 3217 | 6 |
| 73 | Case Gasket - 125# (Cellulose) | A6083-L13 | 1 |
| 9 | Suction Cover - 125# (Iron) | 4032-1-A2 | 1 |
| 1 | Casing - 250# | 6K-250D-2 | |
| | Casing (DI) | C4719-31-A12 | 1 |
| | Plugs | 003217 | 6 |
| 73 | Case Gasket - 250# (Cellulose) | A7777-L13 | 1 |
| 9 | Suction Cover - 250# (DI) | C4723-10-A12 | 1 |
| 14 | Shaft Sleeve (BRZ) | H1993-1-C9 | 1 |
| | Shaft Sleeve (416 SS) | H1993-1-J2 | |
| | Shaft Sleeve (316 SS) | H1993-1-J4 | |
| 26 | Impeller Screw (302 SS) | Q60-3-J3 | 1 |
| 28 | Impeller Screw Washer (302 SS) | A6680-J3 | 1 |
| 32 | Impeller Key (303 SS) | Q21-5-J8 | 1 |
| 71 | Adapter - JP Frame (Iron) | C6385-1-A2 | 1 |
| 71 | Adapter - TCZ Frame (Iron) | C6679-A2 | 0 |
| - | Tubing - Black Impolene | Q30-6-V6TF | 1 |
| - | Vent Cock (Brass) | Q24-1-C2 | 1 |
| | Vent Cock (Steel) | Q24-1-E4 | |
| PACKING | | | |
| 13 | Packing | Q27-62-M2 | 1 |
| 17 | Stuffing Box Gland (Brass) | A5198-3-B5 | 1 |
| | Stuffing Box Gland (Iron) | A5198-3-A2 | |
| 17 | Gland Stud (Brass) | Q17-70-C2 | 2 |
| | Gland Stud (SAE Grade 5) | Q17-70-E26 | |
| 17 | Gland Nut (Brass) | Q18-8-C2 | 2 |
| | Gland Nut (316 SS) | Q18-8-J4 | |
| 17 | Gland Washer (Steel) | Q20-3-E4 | 2 |
| 29 | Lantern Ring (Seal Cage) (Teflon) | A5350-V2 | 1 |
| 63 | Stuffing Box Bushing (416 SS) | A6759-J2 | 1 |
| - | Male Elbow - .25 x .25 (Brass) | Q30-11-C2 | 2 |
| | Male Elbow - .25 x .25 (Steel) | Q30-11-E4 | |

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