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| DATE: | December 21, 2011 |

PARTS LIST

SERIES 4030

BASE MOUNTED PUMP

CENTERLINE DISCHARGE
"L" DESIGNATION

1 5/8" IMPELLER BORE -- 2 1/8" MECHANICAL SEAL

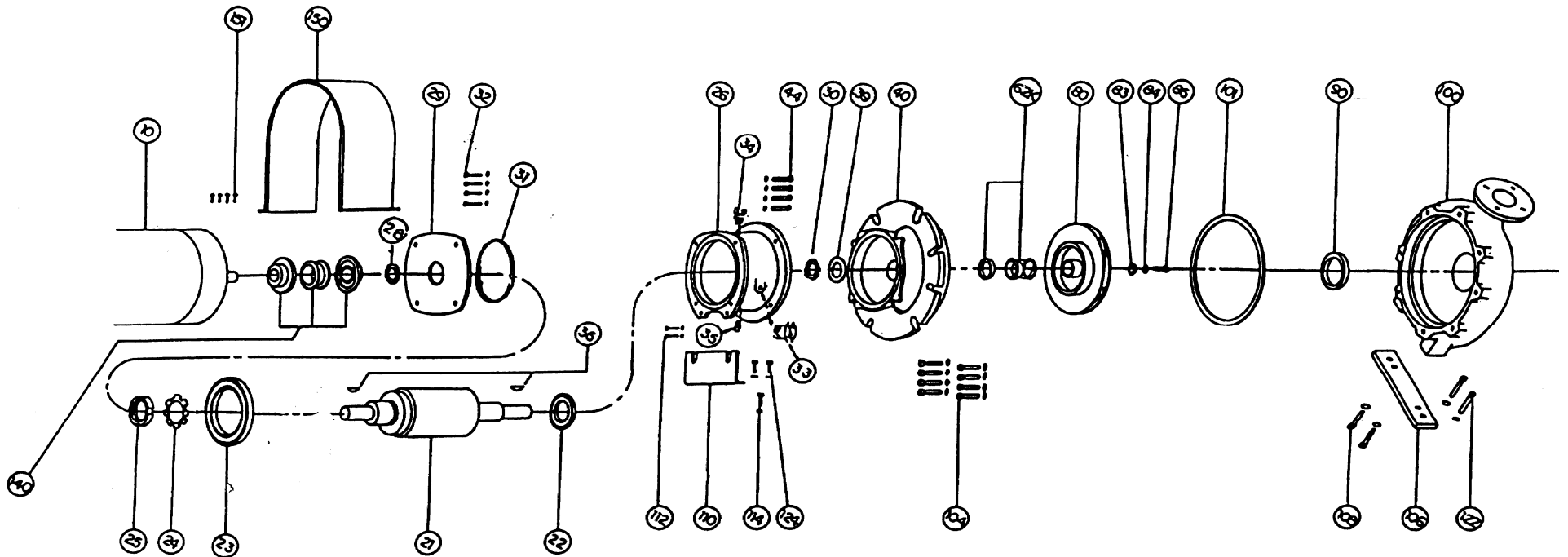
NEW DESIGN

NEMA FRAME ASSIGNMENTS

OPEN & TEFC (TEFC FRAMES IN GREY BOX WHERE DIFFERENT THAN OPEN)

| FRAME PROGRAM HP | 3600 RPM | | | | | | 1800 RPM | | | 1200 RPM | | | 900 RPM | | | | | |
|------------------|------------|------------|----------------------|-------|------------|------------|----------------------|------------|------------|----------------------|------------|------------|----------------------|------|------|------|-----|---|
| | "T" FRAMES | "U" FRAMES | ORIGINAL NEMA FRAMES | | "T" FRAMES | "U" FRAMES | ORIGINAL NEMA FRAMES | "T" FRAMES | "U" FRAMES | ORIGINAL NEMA FRAMES | "T" FRAMES | "U" FRAMES | ORIGINAL NEMA FRAMES | | | | | |
| | 1964 | 1952 | | | 1964 | 1952 | | 1964 | 1952 | | 1964 | 1952 | | | | | | |
| | - | - | - | | 143T | 182 | 203 | 145T | 184 | 204 | 182T | 213 | 225 | | | | | |
| 1 1/2 | 143T | 182 | 203 | | 145T | 184 | 204 | 182T | 184 | 224 | 184T | 213 | 254 | | | | | |
| 2 | 145T | 184 | 204 | | 145T | 184 | 224 | 184T | 213 | 225 | 213T | 215 | 254 | | | | | |
| 3 | 145T | 182T | 184 | 224 | 182T | 213 | 225 | 213T | 215 | 254 | 215T | 254U | 284 | | | | | |
| 5 | 182T | 184T | 213 | 225 | 184 | 215 | 254 | 215T | 254U | 284 | 254T | 256U | 324 | | | | | |
| 7 1/2 | 184T | 213T | 215 | 254 | 213T | 254U | 284 | 254T | 256U | 324 | 256T | 284U | 326 | | | | | |
| 10 | 213T | 215T | 254U | 284 | 215T | 256U | 324 | 256T | 284 | 326 | 284T | 286U | 364 | | | | | |
| 15 | 215T | 254T | 256U | 324 | 254T | 284T | 326 | 284T | 234T | 364 | 286T | 326U | 365 | | | | | |
| 20 | 254T | 256T | 284U | 286U | 326 | 256T | 286U | 364 | 286T | 326U | 365 | 324T | 364U | 404 | | | | |
| 25 | 256T | 284TS | 286U | 324U | 364S | 365S | 284T | 324U | 364 | 365 | 324T | 364U | 404 | 326T | 365U | 405 | | |
| 30 | 284TS | 286TS | 324S | 326S | 364S | 404S | 286T | 326U | 365 | 404 | 326T | 365U | 405 | 364T | 404U | 444 | | |
| 40 | 286TS | 324TS | 326S | 364US | 365S | 405S | 324T | 364U | 404 | 405 | 364T | 404U | 444 | 365T | 405U | 445 | | |
| 50 | 324TS | 326TS | 364US | 404S | 444S | 326T | 365US | 405S | 444S | 365T | 405U | 445 | 404T | 444U | 504U | | | |
| 60 | 326TS | 364TS | 365US | 405US | 405S | 445S | 364TS | 404US | 405US | 444S | 445S | 404T | 444U | 504U | 405T | 445U | 505 | |
| 75 | 364TS | 365TS | 404US | 444US | 444S | 504S | 365TS | 405US | 444US | 445S | 504S | 405T | 445U | 505 | 444T | - | - | |
| 100 | 365TS | 405TS | 405US | 445US | 445S | 505S | 404TS | 405TS | 444US | 445US | 504S | 505S | 444T | - | - | 445T | - | - |
| 125 | 404TS | 444TS | 444US | 504US | 405TS | 444TS | 445US | 505S | 445T | - | - | - | - | - | - | - | - | - |
| 150 | 405TS | 445TS | 445US | 505S | 444TS | 445TS | - | - | - | - | - | - | - | - | - | - | - | - |
| 200 | 444TS | - | - | - | 445TS | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 250 | 445TS | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |

**SERIES 4030 CENTERLINE DISCHARGE, BASE MOUNTED PUMP
 "L" SIZE 1 5/8" IMPELLER BORE -- 2 1/8" MECHANICAL SEAL
 EXPLODED VIEW -- OIL LUBRICATION**



INDEX

| ITEM | DESCRIPTION | PAGE | ITEM | DESCRIPTION | PAGE | ITEM | DESCRIPTION | PAGE |
|------|-------------------------|--------|------|-----------------------------------|--------|------|--|---------|
| ** | BEARING FRAME ASSY. STD | 8 | 32 | BEARING COVER CAPSCREW | 8 & 10 | 83 | IMPELLER WASHER | 9 & 11 |
| ** | BEARING FRAME ASSY. S/S | 10 | 33 | OIL VIEW GAUGE | 8 & 10 | 86 | IMPELLER CAPSCREW | 9 & 11 |
| 21 | SHAFT ASSEMBLY | 8 & 10 | 34 | VENT FITTING | 8 & 10 | 100 | CASING | 4 |
| 22 | BALL BEARING (INBOARD) | 8 & 10 | 35 | PIPE PLUG | 8 & 10 | 101 | CASING GASKET | 7 |
| 23 | BALL BEARING (OUTBOARD) | 8 & 10 | 36 | IMPELLER COUPLER KEY | 8 & 10 | 104 | CASING CAPSCREW | 6 |
| 24 | LOCKWASHER | 8 & 10 | 39 | WATER SLINGER | 8 & 10 | 110 | BEARING FRAME SUPPORT FOOT | 9 & 11 |
| 25 | LOCKNUT | 8 & 10 | 40 | ADAPTER | 6 | 112 | BRG. FRM. SUPPORT FOOT CAPSCREW (UPR) | 9 & 11 |
| 26 | BEARING FRAME | 8 & 10 | 42 | OUTBOARD BEARING COVER | 8 & 10 | 114 | BRG. FRM. SUPPORT FOOT ADJUSTING SCREW | 9 & 11 |
| 28 | OIL SEAL (OUTBOARD) | 8 & 10 | 43 | OUTBRD BRG COVER SCREWS & WASHERS | 8 & 10 | 114 | JAM NUT | 9 & 11 |
| 29 | BEARING COVER | 8 & 10 | 44 | BRG. HOUSING CAPSCREW | 7 | 124 | BRG. FRM. SUPPORT FOOT CAPSCREWS (LWR) | 9 & 11 |
| 30 | OIL SEAL (INBOARD) | 8 & 10 | 62 | MECHANICAL SEAL ASSEMBLY | 9 & 11 | 140 | COUPLER | 12 & 13 |
| 31 | "O" RING | 8 & 10 | 80 | IMPELLER | 5 | | | |

4030 PUMP PARTS

CENTERLINE DISCHARGE

"L" SIZE 1 5/8" IMPELLER BORE ----- 1 5/8" SHAFT DIAMETER AT COUPLER

2 1/8" MECHANICAL SEAL

ITEM 100 CASING

| PUMP SIZE | PRESSURE RATING | CONST. | PART NUMBER | BAR CODE |
|-------------|-----------------|-------------|-------------|----------|
| 10 X 8 X 13 | 125 LB. | B.F. & A.I. | 427342-011 | |
| 10 X 8 X 13 | 250 LB. | D.I. | 427342-041 | |
| 10 X 8 X 13 | 250 LB. | A.B. | 427342-031 | |
| 8 X 6 X 15 | 125 LB. | B.F. & A.I. | 427229-011 | |
| 8 X 6 X 15 | 250 LB. | D.I. | 427230-031 | |
| 8 X 6 X 15 | 125 LB. | A.B. | 427230-041 | |
| 10 X 8 X 15 | 125 LB. | B.F. & A.I. | 427232-011 | |
| 10 X 8 X 15 | 250 LB. | D.I. | 427233-031 | |
| 10 X 8 X 15 | 125 LB. | A.B. | 427233-041 | |

4030 PUMP PARTS

CENTERLINE DISCHARGE

"L" SIZE 1 5/8" IMPELLER BORE ----- 1 5/8" SHAFT DIAMETER AT COUPLER
2 1/8" MECHANICAL SEAL

| ITEM 80 IMPELLER* | | | |
|--------------------------|---------------|--------------------|-----------------|
| PUMP SIZE | CONST. | PART NUMBER | BAR CODE |
| 10 X 8 X 13 | B.F. - A.B. | 427333-041 | |
| 10 X 8 X 13 | A.I. | 427333-011 | |
| 8 X 6 X 15 | B.F. - A.B. | 427214-041 | |
| 8 X 6 X 15 | A.I. | 427214-011 | |
| 10 X 8 X 15 | B.F. - A.B. | 427217-041 | |
| 10 X 8 X 15 | A.I. | 427217-031 | |

Notes: * Impeller Part Numbers are for unbalanced, full diameter impellers. Always specify the Pump Serial Number. If possible, measure diameter of the impeller being replaced.

** B. F. Denotes "Bronze Fitted" construction. Parts in contact with the pumped liquid are bronze or copper, except casing and adapter.

A. I. Denotes "All Iron" construction. Parts in contact with the pumped liquid are cast iron or steel, except shaft sleeve & mechanical seal.

4030 PUMP PARTS

CENTERLINE DISCHARGE

"L" SIZE 1 5/8" IMPELLER BORE ----- 1 5/8" SHAFT DIAMETER AT COUPLER

2 1/8" MECHANICAL SEAL

ITEM 104 CASING CAPS. & WASHER

| PUMP SIZE | NO. REQ'D | SIZE | PART NUMBER | BAR CODE |
|---------------------------|-----------|----------------------------------|-------------|----------|
| 10 X 8 X 13 | 16 | CAPSCREW 5/8-11NC X 1 1/2" LG | 911129-112 | |
| | 16 | WASHER 5/8 - 11NC STL - FLAT | 927121-100 | |
| 8 X 6 X 15 10 X 8 X 15 | 16 | CAPSCREW 5/8-11NC X 1 3/4" LG | 911129-116 | |
| | 16 | WASHER 5/8 - 11NC STL - FLAT | 927121-100 | |

ITEM 40 ADAPTER

| PUMP SIZE | CONST. | PART NUMBER | BAR CODE |
|---------------------------|-------------|-------------|----------|
| 10 X 8 X 13 | B.F. - A.I. | 427350-011 | |
| | D.I. | 427350-031 | |
| 8 X 6 X 15 10 X 8 X 15 | B.F. - A.I. | 426776-011 | |
| | D.I. | 426776-031 | |

4030 PUMP PARTS

CENTERLINE DISCHARGE

"L" SIZE 1 5/8" IMPELLER BORE ----- 1 5/8" SHAFT DIAMETER AT COUPLER

2 1/8" MECHANICAL SEAL

| ITEM 101 CASING GASKET | | | |
|-------------------------------|--|------------------------|-----------------|
| PUMP SIZE | DIMENSIONS O.D X I.D. X THICKNESS | PART NUMBER | BAR CODE |
| 10 X 8 X 13 | 14"X13 3/4"X1/16" | 426401-005 | |
| 8 X 6 X 15 | 16 3/8"X15 5/8"X1/16" | 426401-008 | |
| 10 X 8 X 15 | | | |

| ITEM 44 BRG. HSG., CAPS. AND WASHER | | | | |
|--|----------------------|-----------------------|------------------------|-----------------|
| PUMP SIZE | NO. REQ'D | SIZE | PART NUMBER | BAR CODE |
| 10 X 8 X 13 | 4 | CAPSCREW | 911125-110 | |
| | | 1/2-13NC X 1 1/4" LG | | |
| 8 X 6 X 15 | | | | |
| 10 X 8 X 15 | 4 | WASHER | 927117-100 | |
| | | 1/2 - 13NC STL - FLAT | | |

4030 PUMP PARTS

CENTERLINE DISCHARGE

"L" SIZE 1 5/8" IMPELLER BORE ----- 1 5/8" SHAFT DIAMETER AT COUPLER

2 1/8" MECHANICAL SEAL

BEARING FRAME ASSEMBLY

STEEL SHAFT, OIL LUBRICATED

| ITEM NUMBER | DESCRIPTION | PART NUMBER | BAR CODE |
|-------------|---|-------------|----------|
| | BEARING FRAME ASSEMBLY(1) | 426775-000 | |
| 26 | BEARING HOUSING | 426492-016 | |
| 21 | SHAFT & SLEEVE ASSEMBLY | 427241-001 | |
| 22 | INBOARD BEARING | 971101-922 | |
| 23 | OUTBOARD BEARING | 971101-923 | |
| 24 | LOCKWASHER | 426364-003 | |
| 25 | LOCKNUT | 426364-004 | |
| 29 | OUTBOARD BEARING COVER | 426502-513 | |
| 28 | OUTBOARD OIL SEAL | 965001-190 | |
| 31 | OUTBD. BRG. COV."O" RING | 961131-249 | |
| 42 | INBOARD BEARING COVER | 426507-515 | |
| 43 | INBOARD BRG. COV. SCREW 3 REQ'D. #10-24 X 7/16" | 916364-107 | |
| 43 | INBD. BRG. COV. SCREW WASH. 3 REQ'D. #10 STEEL | 926156-100 | |
| 30 | INBOARD OIL SEAL | 965002-010 | |
| 31 | INBD. BRG. COV. "O" RING | 961131-249 | |
| 32 | BEARING CAPSCREWS 3/8 - 16NC X 1 1/4" LG (4 REQ'D) | 911121-110 | |
| 33 | OIL VIEW GAUGE | 970224-001 | |
| 34 | AIR VENT | 407444-000 | |
| 35 | PIPE PLUG 1/4" NPT (1 REQ'D) | 937105-201 | |
| 36 | IMPELLER KEY | 428163-714 | |
| 36 | COUPLER KEY | 428163-718 | |
| 39 | WATER SLINGER | 419315-001 | |

NOTE (1) ITEMS 21 TO 39 INCLUSIVE ARE INCLUDED IN THE BEARING FRAME ASSEMBLY

SEE PAGE 9 FOR COMMON PARTS

4030 PUMP PARTS

CENTERLINE DISCHARGE

"L" SIZE 1 5/8" IMPELLER BORE ----- 1 5/8" SHAFT DIAMETER AT COUPLER

2 1/8" MECHANICAL SEAL

| COMMON PARTS, STEEL SHAFT, OIL LUBRICATED | | | |
|--|--|------------------------------------|-----------------|
| ITEM NUMBER | DESCRIPTION | PART NUMBER BF & AI | BAR CODE |
| 62 | MECHANICAL SEAL ASSEMBLY | 975000-985** | |
| 83 | IMPELLER WASHER | 425742-100 | |
| 86 | S/S IMPELLER CAPSCREW | 911900-180 | |
| 110 | SUPPORT FOOT | 426361-001 | |
| 112 | SUP. FOOT CAPSCREW UPPER 1/2"-13NC X 1" LG. (1 req'd) | 911129-108 | |
| 112 | SUP. FT. CAPS. WASHER UPPER 1/2" SAE (1 req'd) | 927117-100 | |
| 114 | SUPPORT FOOT JACKSCREW 1/2"-13NC X 1 3/4" LG. (1 req'd) | 911129-114 | |
| 114 | JACKSCREW NUT 1/2"-13NC JAM NUT (1req'd) | 913125-100 | |
| 124 | SUP. FOOT CAPSCREW LOWER 1/2"-13NC X 1 1/2" LG. | 911125-112 | |
| 124 | SUP. FT. CAPS WASHER LOWER 1/2"- FLAT | 927118-100 | |

** For liquids above 200°F/93°C use 9975001-873 (-673 if potable drinking water above 200°F/93°C) For glycols above 30% by weight use 9975001-877 (-878 if above 200°F/93°C)

4030 PUMP PARTS

CENTERLINE DISCHARGE

"L" SIZE 1 5/8" IMPELLER BORE ----- 1 5/8" SHAFT DIAMETER AT COUPLER

2 1/8" MECHANICAL SEAL

BEARING FRAME ASSEMBLY

STAINLESS STEEL SHAFT, OIL LUBRICATED

| ITEM NUMBER | DESCRIPTION | PART NUMBER | BAR CODE |
|-------------|---|-------------|----------|
| | BEARING FRAME ASSEMBLY(1) | 426775-071 | |
| 26 | BEARING HOUSING | 426492-016 | |
| 21 | SHAFT & SLEEVE ASSEMBLY | 427241-071 | |
| 22 | INBOARD BEARING | 971101-922 | |
| 23 | OUTBOARD BEARING | 971101-923 | |
| 24 | LOCKWASHER | 426364-003 | |
| 25 | LOCKNUT | 426364-004 | |
| 29 | OUTBOARD BEARING COVER | 426502-513 | |
| 28 | OUTBOARD OIL SEAL | 965001-190 | |
| 31 | OUTBD. BRG. COV."O" RING | 961131-249 | |
| 42 | INBOARD BEARING COVER | 426507-515 | |
| 43 | INBOARD BRG. COV. SCREW 3 REQ'D. #10-24 X 7/16" | 916364-107 | |
| 43 | INBD. BRG. COV. SCREW WASH. 3 REQ'D. #10 STEEL | 926156-100 | |
| 30 | INBOARD OIL SEAL | 965002-010 | |
| 31 | INBD. BRG. COV. "O" RING | 961131-249 | |
| 32 | BEARING CAPSCREWS 3/8 - 16NC X 1 1/4" LG (4 REQ'D) | 911121-110 | |
| 33 | OIL VIEW GAUGE | 970224-001 | |
| 34 | AIR VENT | 407444-000 | |
| 35 | PIPE PLUG 1/4" NPT (1 REQ'D) | 937105-201 | |
| 36 | IMPELLER KEY | 428163-714 | |
| 36 | COUPLER KEY | 428163-718 | |
| 39 | WATER SLINGER | 419315-001 | |

NOTE (1) ITEMS 21 TO 39 INCLUSIVE ARE INCLUDED IN THE BEARING FRAME ASSEMBLY

SEE PAGE 11 FOR COMMON PARTS

4030 PUMP PARTS

CENTERLINE DISCHARGE

"L" SIZE 1 5/8" IMPELLER BORE ----- 1 5/8" SHAFT DIAMETER AT COUPLER

2 1/8" MECHANICAL SEAL

| COMMON PARTS, S/S SHAFT, OIL LUBRICATED | | | |
|--|--|------------------------------------|-----------------|
| ITEM NUMBER | DESCRIPTION | PART NUMBER BF & AI | BAR CODE |
| 62 | MECHANICAL SEAL ASSEMBLY | 975000-985** | |
| 83 | IMPELLER WASHER | 425742-100 | |
| 86 | S/S IMPELLER CAPSCREW | 911900-180 | |
| 110 | SUPPORT FOOT | 426361-001 | |
| 112 | SUP. FOOT CAPSCREW UPPER 1/2"-13NC X 1" LG. (1 req'd) | 911129-108 | |
| 112 | SUP. FT. CAPS. WASHER UPPER 1/2" SAE (1 req'd) | 927117-100 | |
| 114 | SUPPORT FOOT JACKSCREW 1/2"-13NC X 1 3/4" LG. (1 req'd) | 911129-114 | |
| 114 | JACKSCREW NUT 1/2"-13NC JAM NUT (1req'd) | 913125-100 | |
| 124 | SUP. FOOT CAPSCREW LOWER 1/2"-13NC X 1 1/2" LG. | 911125-112 | |
| 124 | SUP. FT. CAPS WASHER LOWER 1/2"- FLAT | 927118-100 | |

** For liquids above 200°F/93°C use 9975001-873 (-673 if potable drinking water above 200°F/93°C) For glycols above 30% by weight use 9975001-877 (-878 if above 200°F/93°C)

4030 PUMP PARTS

CENTERLINE DISCHARGE

"L" SIZE 1 5/8" IMPELLER BORE ----- 1 5/8" SHAFT DIAMETER AT COUPLER

2 1/8" MECHANICAL SEAL

COUPLER HALF SELECTION TABLE

(WOODS TYPE)

| MOTOR FRAME SIZE | MOTOR | FLANGE PART NUMBER | WOODS SIZE | BAR CODE |
|---|------------------------|-----------------------|---------------|----------|
| | FLANGE BORE PUMP | | | |
| 284TS-286TS | 1 5/8" | 975000-880 | 11S | |
| | X | | | |
| | 1 5/8" | 975000-880 | 11S | |
| 284T-286T 324TS-326TS 364TS-365TS | 1 7/8" | 975000-881 | 11S | |
| | X | | | |
| | 1 5/8" | 975000-880 | 11S | |
| 324T-326T 404TS-405TS | 2 1/8" | 975000-882 | 11S | |
| | X | | | |
| | 1 5/8" | 975000-880 | 11S | |
| 364T-365T | 2 3/8" | 975000-883 | 11S | |
| | X | | | |
| | 1 5/8" | 975000-880 | 11S | |
| 444TS-445TS 447TS | 2 3/8" | 975000-885 | 10S | |
| | X | | | |
| | 1 5/8" | 975000-884 | 10S | |
| 404T-405T | 2 7/8" | 975000-886 | 10S | |
| | X | | | |
| | 1 5/8" | 975000-884 | 10S | |
| 444T-445T 447T-448T | 3 3/8" | 975000-887 | 10S | |
| | X | | | |
| | 1 5/8" | 975000-884 | 10S | |

COUPLER INSERTS ON PAGE 13

4030 PUMP PARTS

CENTERLINE DISCHARGE

"L" SIZE 1 5/8" IMPELLER BORE ----- 1 5/8" SHAFT DIAMETER AT COUPLER

2 1/8" MECHANICAL SEAL

COUPLER INSERT SELECTION TABLE

(WOODS TYPE)

| COUPLER INSERT SIZE | MOTOR FRAME SIZE | INSERT NUMBER | PART NUMBER | BAR CODE |
|------------------------|---------------------|------------------|-------------|----------|
| 11S | 284T-286T | 11E | 975000-809 | |
| | 324T-326T | | | |
| | 324TS-326TS | | | |
| | 364T-365T | | | |
| | 364TS-365TS | | | |
| | 404TS-405TS | | | |
| 10S | 404T-405T | 10H | 975000-808 | |
| | 444T-445T | | | |
| | 444TS-445TS | | | |
| | 447T-449T | | | |
| | 447TS | | | |