BERKELEY® B1-1/2ZPL Cast Iron Impeller

Threaded Case (NPT), Packing Construction

13A (7/8 U) 13B (1-1/4 U)

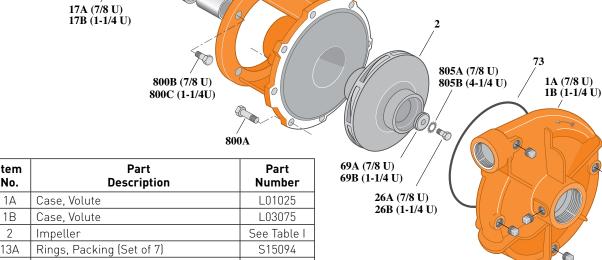
> 14A (7/8 U) 14B (1-1/4 U)

ELECTRIC MOTOR DRIVE

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Table I

| B/M No. | HP | PH | RPM | "U" Dim. | Imp. Dia. | Imp. No. |
|---------|-----|----|------|----------|-----------|----------|
| B53750 | 7.5 | 1 | 3600 | 1-1/4" | 7.18" | M07692 |
| B53751 | 7.5 | 3 | 3600 | 7/8" | 7.18" | M07693 |
| B55574 | 10 | 1 | 3600 | 1-1/4" | 7.88" | M07691 |
| B53752 | 10 | 3 | 3600 | 1-1/4" | 7.88" | M07691 |
| B53753 | 15 | 3 | 3600 | 1-1/4" | 8.75" | M07690 |



| Item No. | Part Description | Part Number |
|-------------|--------------------------------------|----------------|
| 1A | Case, Volute | L01025 |
| 1B | Case, Volute | L03075 |
| 2 | Impeller | See Table I |
| 13A | Rings, Packing (Set of 7) | S15094 |
| 13B | Rings, Packing (Set of 6) | S13470 |
| 14A | Sleeve, Shaft (2 Req.) | S00619L |
| 14B | Sleeve, Shaft | S05149L |
| 17A | Gland, Packing | B82469 |
| 17B | Gland, Packing | B82470 |
| 26A | Screw, Impeller 3/8 - 16 x 1" | S23566 |
| 26B | Screw, Impeller 1/2 - 13 x 1" | S23619 |
| 32A | Key, 3/16 x 1-1/4" (See Note 1) | S34383 |
| 32B | Key, 1/4 x 2/14" (See Note 1) | S23677 |
| 69A | Washer, Impeller | S06314 |
| 69B | Washer, Impeller | S06317 |
| 71 | Bracket | See Table II |
| 73 | 0-Ring (See Note 2) | M14943 |
| 800A | Capscrew, 3/8 - 16 x 1" (12 Req.) | S26826 |
| 800B | Capscrew, 3/8 - 16 x 1-1/8" (8 Req.) | S26827 |
| 800C | Capscrew, 1/2 - 13 x 1-1/2" (4 Req.) | S26916 |
| 801A | Stud, 3/8 - 16 x 3" (2 Req.) | S04439 |
| 801B | Stud, 3/8 - 16 x 4" (2 Req.) | S08303 |
| 802 | Nut, Hex 3/8 - 16 (2 Req.) | S23343 |
| 805A | Washer, Lock | S23036 |
| 805B | Washer, Lock | S23038 |
| 810 | Plug, Pipe 1/4 NPT (5 Req.) | S23715 |

Table II

| HP | PH | Bracket No. | "AK" Fit | "U" Dim. | Motor Frame |
|-----|----|-------------|----------|----------|-------------|
| 7.5 | 1 | L03827 | 8-1/2" | 1-1/4" | 213JP |
| 7.5 | 3 | H00950 | 4-1/2" | 7/8" | 184JP |
| 10 | 1 | L03827 | 8-1/2" | 1-1/4" | 215JP |
| 10 | 3 | L03827 | 8-1/2" | 1-1/4" | 213JP |
| 15 | 3 | L03827 | 8-1/2" | 1-1/4" | 215JP |

NOTE 1: For an explanation of the tabulated material found on this page and for impeller key location, refer to **Supplement A** located at the beginning of this section.

NOTE 2: Also accepts gasket **S05126** as replacement for O-Ring. See **Supplement E** located at the beginning of this section.



801A (7/8 U) 801B (1-1/4 U)

BERKELEY® B1-1/2ZPLS Cast Iron Impeller

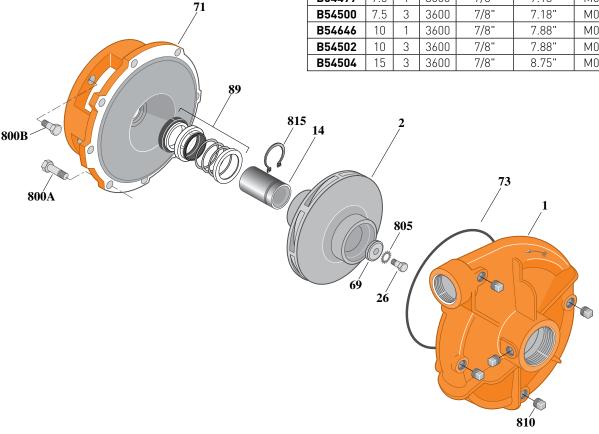
Threaded Case (NPT), Mechanical Shaft Seal Construction

ELECTRIC MOTOR DRIVE

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Table I





| Item No. | Part Description | Part Number |
|-------------|----------------------------------|----------------|
| 1 | Case, Volute | L01025 |
| 2 | Impeller | See Table I |
| 14 | Sleeve, Shaft | S19310L |
| 26 | Screw, Impeller 3/8 - 16 x 1" | S23566 |
| 32 | Key, 3/16 x 1-1/4" (See Note 1) | S34383 |
| 69 | Washer, Impeller | S06314 |
| 71 | Bracket | See Table II |
| 73 | 0-Ring (See Note 2) | M14943 |
| 89 | Seal, Mechanical Shaft | S32014 |
| 800A | Capscrew, 3/8 - 16 x 1" (8 Req.) | S26826 |
| 800B | Capscrew, 1/2 - 13 x 1" (4 Req.) | S26912 |
| 805 | Washer, Lock | S23036 |
| 810 | Plug, Pipe 1/4 NPT (5 Req.) | S23715 |
| 815 | Ring, Retaining | S11207 |

Table II

| HP | PH | Bracket No. | "AK" Fit | "U" Dim. | Motor Frame |
|-----|----|-------------|----------|----------|-------------|
| 7.5 | 1 | L05331 | 8-1/2" | 7/8" | 213JM |
| 7.5 | 3 | L05332 | 4-1/2" | 7/8" | 184JM |
| 10 | 1 | L05331 | 8-1/2" | 7/8" | 215JM |
| 10 | 3 | L05331 | 8-1/2" | 7/8" | 213JM |
| 15 | 3 | L05331 | 8-1/2" | 7/8" | 215JM |

NOTE 1: For an explanation of the tabulated material found on this page and for impeller key location, refer to Supplement A located at the beginning of this section.

NOTE 2: Also accepts gasket S05126 as replacement for O-Ring. See Supplement E located at the beginning of this section.



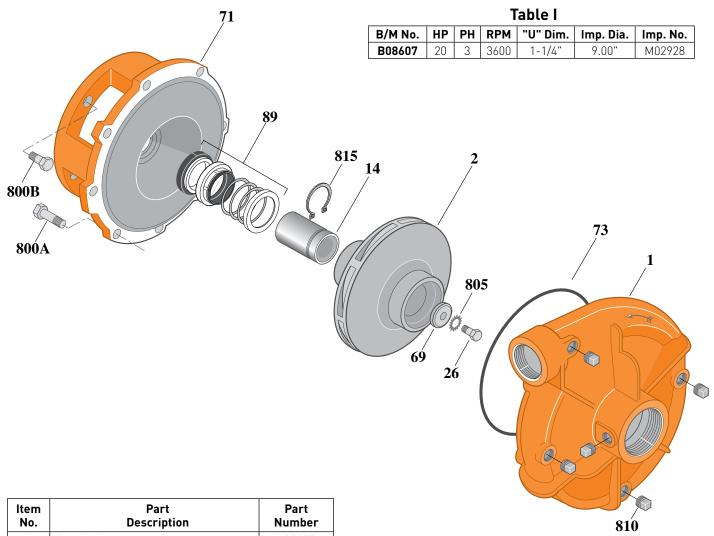
BERKELEY® B1-1/2ZPLS

Cast Iron Impeller

Threaded Case (NPT), Mechanical Shaft Seal Construction

ELECTRIC MOTOR DRIVE

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| Item No. | Part Description | Part Number |
|-------------|--------------------------------------|----------------|
| 1 | Case, Volute | L03075 |
| 2 | Impeller | See Table I |
| 14 | Sleeve, Shaft | S18869L |
| 26 | Screw, Impeller 1/2 - 13 x 1" | S23619 |
| 32 | Key, 1/4 x 2-1/4" (See Note 1) | S23677 |
| 69 | Washer, Impeller | S06319 |
| 71 | Bracket | See Table II |
| 73 | O-Ring (See Note 2) | M14943 |
| 89 | Seal, Mechanical Shaft | S32015 |
| 800A | Capscrew, 3/8 - 16 x 1-1/8" (8 Req.) | S26827 |
| 800B | Capscrew, 1/2 - 13 x 1" (4 Req.) | S26912 |
| 805 | Washer, Lock | S23038 |
| 810 | Plug, Pipe 1/4 NPT (5 Req.) | S23715 |
| 815 | Ring, Retaining | S16767 |

Table II

| HP | PH | Bracket No. | "AK" Fit | "U" Dim. | Motor Frame |
|----|----|-------------|----------|----------|-------------|
| 20 | 3 | L04615 | 8-1/2" | 1-1/4" | 254JM |

NOTE 1: For an explanation of the tabulated material found on this page and for impeller key location, refer to **Supplement A** located at the beginning of this section.

NOTE 2: Also accepts gasket **S05126** as replacement for O-Ring. See **Supplement E** located at the beginning of this section.

BERKELEY® B1-1/2ZPL Bronze Impeller

Threaded Case (NPT), Packing Construction

13A (7/8 U) 13B (1-1/4 U)

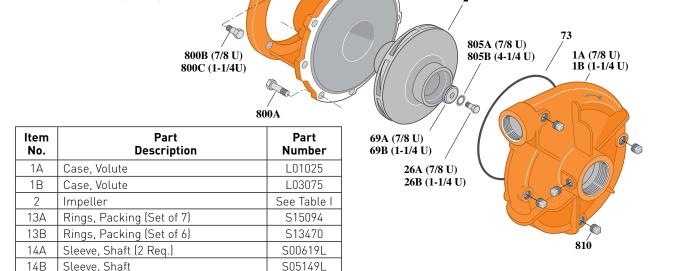
> 14A (7/8 U) 14B (1-1/4 U)

FLECTRIC MOTOR DRIVE

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| Date | March 4, 2013 |
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Table I

| B/M No. | HP | PH | RPM | "U" Dim. | Imp. Dia. | Imp. No. |
|---------|-----|----|------|----------|-----------|----------|
| B66487 | 7.5 | 1 | 3600 | 1-1/4" | 7.18" | L06648 |
| B66488 | 7.5 | 3 | 3600 | 7/8" | 7.18" | L06649 |
| B66491 | 10 | 1 | 3600 | 1-1/4" | 7.88" | L06647 |
| B66492 | 10 | 3 | 3600 | 1-1/4" | 7.88" | L06647 |
| B66493 | 15 | 3 | 3600 | 1-1/4" | 8.75" | L06646 |



S05149L

B82469

B82470

S23566

S23619

S34383

S23677

S06314

S06317

See Table II

M14943

S26826

S26827

S26916

S04439

S08303

S23343

S23036

S23038

S23715

Table II

| HP | PH | Bracket No. | "AK" Fit | "U" Dim. | Motor Frame |
|-----|----|-------------|----------|----------|-------------|
| 7.5 | 1 | L03827 | 8-1/2" | 1-1/4" | 213JP |
| 7.5 | 3 | H00950 | 4-1/2" | 7/8" | 184JP |
| 10 | 1 | L03827 | 8-1/2" | 1-1/4" | 215JP |
| 10 | 3 | L03827 | 8-1/2" | 1-1/4" | 213JP |
| 15 | 3 | L03827 | 8-1/2" | 1-1/4" | 215JP |

NOTE 1: For an explanation of the tabulated material found on this page and for impeller key location, refer to Supplement A located at the beginning of this section.

NOTE 2: Also accepts gasket S05126 as replacement for O-Ring. See Supplement E located at the beginning of this section.



801A (7/8 U) 801B (1-1/4 U)

17A

17B

26A

26B

32A

32B

69A

69B

71

73

A008

800B

800C

801A

801B

805A

805B

Gland, Packing

Gland, Packing

Washer, Impeller

Washer, Impeller

O-Ring (See Note 2)

Bracket

Screw, Impeller 3/8 - 16 x 1"

Screw, Impeller 1/2 - 13 x 1"

Key, 1/4 x 2/14" (See Note 1)

Key, 3/16 x 1-1/4" (See Note 1)

Capscrew, 3/8 - 16 x 1" (12 Reg.)

Stud, 3/8 - 16 x 3" (2 Reg.)

Stud, 3/8 - 16 x 4" (2 Req.)

Nut, Hex 3/8 - 16 (2 Req.)

Plug, Pipe 1/4 NPT (5 Reg.)

Capscrew, 3/8 - 16 x 1-1/8" (8 Req.)

Capscrew, 1/2 - 13 x 1-1/2" (4 Req.)

17A (7/8 U) 17B (1-1/4 U)

Washer, Lock

Washer, Lock

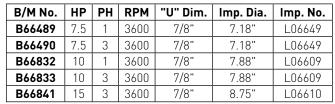
BERKELEY® B1-1/2ZPLS Bronze Impeller

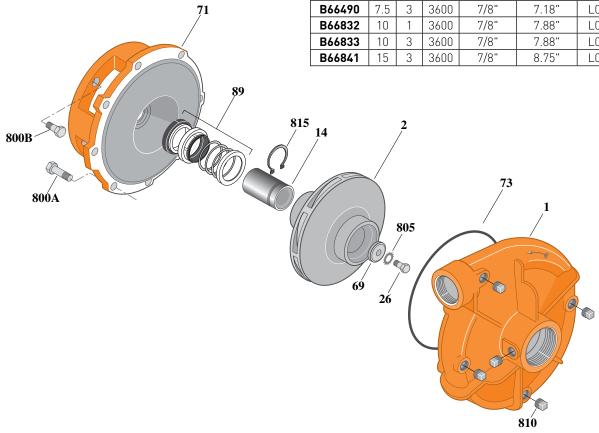
Threaded Case (NPT), Mechanical Shaft Seal Construction

FLECTRIC MOTOR DRIVE

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Table I





| Item No. | Part Description | Part Number |
|-------------|----------------------------------|----------------|
| 1 | Case, Volute | L01025 |
| 2 | Impeller | See Table I |
| 14 | Sleeve, Shaft | S19310L |
| 26 | Screw, Impeller 3/8 - 16 x 1" | S23566 |
| 32 | Key, 3/16 x 1-1/4" (See Note 1) | S34383 |
| 69 | Washer, Impeller | S06314 |
| 71 | Bracket | See Table II |
| 73 | O-Ring (See Note 2) | M14943 |
| 89 | Seal, Mechanical Shaft | S32014 |
| 800A | Capscrew, 3/8 - 16 x 1" (8 Req.) | S26826 |
| 800B | Capscrew, 1/2 - 13 x 1" (4 Req.) | S26912 |
| 805 | Washer, Lock | S23036 |
| 810 | Plug, Pipe 1/4 NPT (5 Req.) | S23715 |
| 815 | Ring, Retaining | S11207 |

Table II

| HP | PH | Bracket No. | "AK" Fit | "U" Dim. | Motor Frame |
|-----|----|-------------|----------|----------|-------------|
| 7.5 | 1 | L05331 | 8-1/2" | 7/8" | 213JM |
| 7.5 | 3 | L05332 | 4-1/2" | 7/8" | 184JM |
| 10 | 1 | L05331 | 8-1/2" | 7/8" | 215JM |
| 10 | 3 | L05331 | 8-1/2" | 7/8" | 213JM |
| 15 | 3 | L05331 | 8-1/2" | 7/8" | 215JM |

NOTE 1: For an explanation of the tabulated material found on this page and for impeller key location, refer to Supplement A located at the beginning of this section.

NOTE 2: Also accepts gasket S05126 as replacement for O-Ring. See Supplement E located at the beginning of this section.



BERKELEY® B1-1/2ZPLS Silicon Bronze Impeller

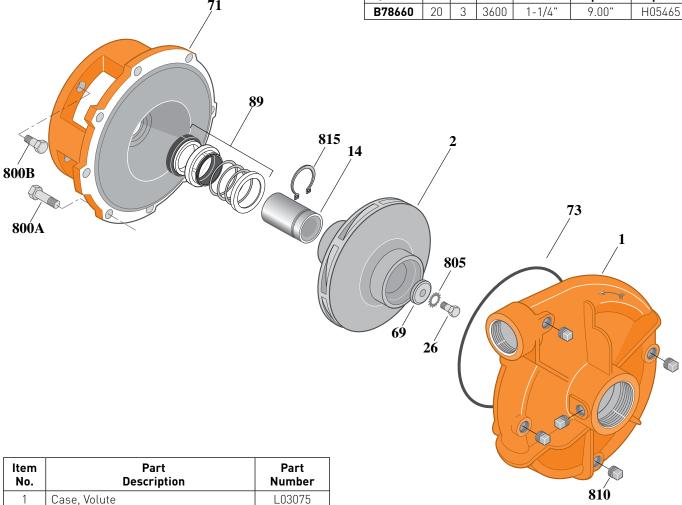
Threaded Case (NPT), Mechanical Shaft Seal Construction

FLECTRIC MOTOR DRIVE

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Table I

| B/M No. | HP | PH | RPM | "U" Dim. | Imp. Dia. | Imp. No. |
|---------|----|----|------|----------|-----------|----------|
| B78660 | 20 | 3 | 3600 | 1-1/4" | 9.00" | H05465 |
| | | | | | | |



See Table I

S18869L

S23619

S23677

S06317

See Table II

M14943

S32015

S26827

S26912

S23038

S23715

S16767

1602 1210

Table II

| HP | PH | Bracket No. | "AK" Fit | "U" Dim. | Motor Frame |
|----|----|-------------|----------|----------|-------------|
| 20 | 3 | L04615 | 8-1/2" | 1-1/4" | 254JM |

NOTE 1: For an explanation of the tabulated material found on this page and for impeller key location, refer to Supplement A located at the beginning of this section.

NOTE 2: Also accepts gasket S05126 as replacement for O-Ring. See Supplement E located at the beginning of this



Impeller

Bracket

14

26

69

71

73

800B

805

810

815

Sleeve, Shaft

Washer, Impeller

Washer, Lock

Ring, Retaining

O-Ring (See Note 2)

Seal, Mechanical Shaft

Screw, Impeller 1/2 - 13 x 1"

Key, 1/4 x 2-1/4" (See Note1)

Capscrew, 3/8 - 16 x 1-1/8" (8 Req.)

Capscrew, 1/2 - 13 x 1" (4 Req.)

Plug, Pipe 1/4 NPT (5 Reg.)

BERKELEY® B1-1/2ZPL Silicon Bronze Impeller

Threaded Case (NPT), Packing Construction

13A (7/8 U) 13B (1-1/4 U)

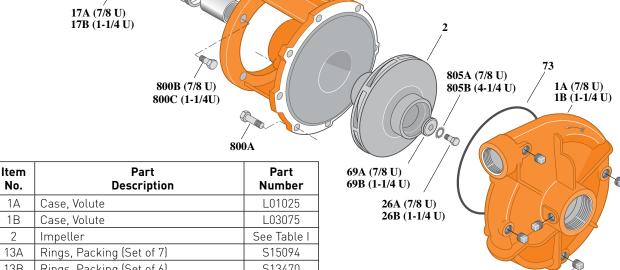
> 14A (7/8 U) 14B (1-1/4 U)

ELECTRIC MOTOR DRIVE

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Table I

| B/M No. | HP | PH | RPM | "U" Dim. | Imp. Dia. | Imp. No. |
|---------|-----|----|------|----------|-----------|----------|
| B66487S | 7.5 | 1 | 3600 | 1-1/4" | 7.18" | H05458 |
| B66488S | 7.5 | 3 | 3600 | 7/8" | 7.18" | H05459 |
| B66491S | 10 | 1 | 3600 | 1-1/4" | 7.88" | H05460 |
| B66492S | 10 | 3 | 3600 | 1-1/4" | 7.88" | H05460 |
| B66493S | 15 | 3 | 3600 | 1-1/4" | 8.75" | H05461 |



S23715

1A 1B 2 13A 13B Rings, Packing (Set of 6) S13470 Sleeve, Shaft (2 Reg.) S00619L 14A 14B Sleeve, Shaft S05149L 17A Gland, Packing B82469 17B Gland, Packing B82470 26A Screw, Impeller 3/8 - 16 x 1" S23566 26B Screw, Impeller 1/2 - 13 x 1" S23619 Key, 3/16 x 1-1/4" (See Note1) 32A S34383 32B Key, 1/4 x 2/14" (See Note1) S23677 69A Washer, Impeller S06314 69B Washer, Impeller S06317 71 Bracket See Table II O-Ring (See Note 2) M14943 73 800A Capscrew, 3/8 - 16 x 1" (8 Req.) S26826 800B Capscrew, 3/8 - 16 x 1-1/8" (4 Req.) S26827 800C Capscrew, 1/2 - 13 x 1-1/2" (4 Req.) S26916 801A Stud, 3/8 - 16 x 3" (2 Reg.) S04439 Stud, 3/8 - 16 x 4" (2 Req.) 801B S08303 802 Nut, Hex 3/8 - 16 (2 Req.) S23343 805A Washer, Lock S23036 805B Washer, Lock S23038

Table II

| HP | PH | Bracket No. | "AK" Fit | "U" Dim. | Motor Frame |
|-----|----|-------------|----------|----------|-------------|
| 7.5 | 1 | L03827 | 8-1/2" | 1-1/4" | 213JP |
| 7.5 | 3 | H00950 | 4-1/2" | 7/8" | 184JP |
| 10 | 1 | L03827 | 8-1/2" | 1-1/4" | 215JP |
| 10 | 3 | L03827 | 8-1/2" | 1-1/4" | 213JP |
| 15 | 3 | L03827 | 8-1/2" | 1-1/4" | 215JP |

NOTE 1: For an explanation of the tabulated material found on this page and for impeller key location, refer to **Supplement A** located at the beginning of this section.

NOTE 2: Also accepts gasket **S05126** as replacement for O-Ring. See **Supplement E** located at the beginning of this section.



810

802

801A (7/8 U) 801B (1-1/4 U)

Plug, Pipe 1/4" NPT (5 Req.)

BERKELEY® B1-1/2ZPLS Silicon Bronze Impeller

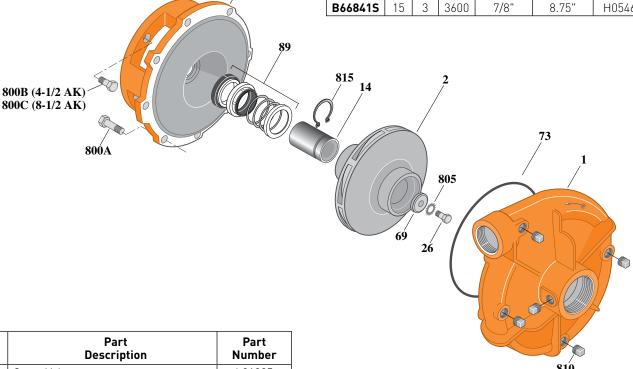
Threaded Case (NPT), Mechanical Shaft Seal Construction

ELECTRIC MOTOR DRIVE

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Table I

| B/M No. | HP | PH | RPM | "U" Dim. | Imp. Dia. | Imp. No. |
|---------|-----|----|------|----------|-----------|----------|
| B66489S | 7.5 | 1 | 3600 | 7/8" | 7.18" | H05459 |
| B66490S | 7.5 | 3 | 3600 | 7/8" | 7.18" | H05459 |
| B66832S | 10 | 1 | 3600 | 7/8" | 7.88" | H05463 |
| B66833S | 10 | 3 | 3600 | 7/8" | 7.88" | H05463 |
| B66841S | 15 | 3 | 3600 | 7/8" | 8.75" | H05464 |



| Item No. | Part Description | Part Number |
|-------------|----------------------------------|----------------|
| 1 | Case, Volute | L01025 |
| 2 | Impeller | See Table I |
| 14 | Sleeve, Shaft | S19310L |
| 26 | Screw, Impeller 3/8 - 16 x 1" | S23566 |
| 32 | Key, 3/16 x 1-1/4" (See Note 1) | S34383 |
| 69 | Washer, Impeller | S06314 |
| 71 | Bracket | See Table II |
| 73 | 0-Ring (See Note 3) | M14943 |
| 89 | Seal, Mechanical Shaft | S32014 |
| 800A | Capscrew, 3/8 - 16 x 1" (8 Req.) | S26826 |
| 800B | Capscrew, 3/8 - 16 x 1" (4 Req.) | S26826 |
| 800C | Capscrew, 1/2 - 13 x 1" (4 Req.) | S26912 |
| 805 | Washer, Lock | S23036 |
| 810 | Plug, Pipe 1/4" NPT (5 Req.) | S23715 |
| 815 | Ring, Retaining | S11207 |
| • | Plug, Pipe 1/8" NPT (In Bracket) | S23714 |

• Not illustrated.

Table II

| HP | PH | Bracket No. | "AK" Fit | "U" Dim. | Motor Frame |
|-----|----|-------------|----------|----------|-------------|
| 7.5 | 1 | L05331 | 8-1/2" | 7/8" | 213JM |
| 7.5 | 3 | L05332 | 4-1/2" | 7/8" | 184JM |
| 10 | 1 | L05331 | 8-1/2" | 7/8" | 215JM |
| 10 | 3 | L05331 | 8-1/2" | 7/8" | 213JM |
| 15 | 3 | L05331 | 8-1/2" | 7/8" | 215JM |

NOTE 1: For an explanation of the tabulated material found on this page and for impeller key location, refer to **Supplement A** located at the beginning of this section.

 $\textbf{NOTE 2:} \ \mathsf{For seal flush line details, see} \ \textbf{Supplement D}.$

NOTE 3: Also accepts gasket **S05126** as replacement for O-Ring. See **Supplement E** located at the beginning of this section.

