## **BERKELEY**® B5EPBM Bronze Impeller

13 See Supplement B

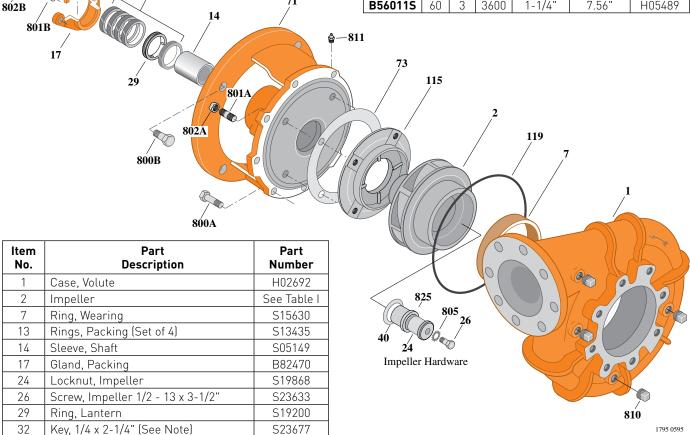
Flanged Case, Packing Construction

### ELECTRIC MOTOR DRIVE

Section	CC
Page	320.1
Date	March 4, 2013
	Supersedes 01/01/04

#### Table I

B/M No.	HP	PH	RPM	"U" Dim.	Imp. Dia.	Imp. No.
B56011	60	3	3600	1-1/4"	7.56"	L06119
B56011S	60	3	3600	1-1/4"	7.56"	H05489



S19864

See Table II

S09943

S12334

S13760

S26914

S26999

S23994

S04438

S23013

S23343

S23038

S23717

S23700

S25421

S19865

#### Table II

HP	PH	Bracket No.	"AK" Fit	"U" Dim.	Motor Frame
60	3	L03497	12-1/2"	1-1/4"	326JP

**NOTE:** 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.



40

71

73

115

119

A008

800B 801A

801B

802A

802B

805 810

811

812

Deflector

Ring, Balance

Washer, Lock

Fitting, Grease

Elbow, Street

Gasket, Balance Ring

Capscrew, 1/2 - 13 x 1-1/4" (8 Req.)

Capscrew, 5/8 - 11 x 1-1/2" (4 Req.)

Stud, 3/8 - 16 x 1-1/4" (4 Req.)

Stud, 3/8 - 16 x 2-1/2" (2 Req.)

Nut, Hex 3/8 - 16 (4 Req.)

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

Plug, Pipe 1/2 NPT (4 Req.)

Sleeve, Impeller Locknut

Bracket

0-Ring

## **BERKELEY**® B5EPBM Bronze Impeller

13 See Supplement B

800B

802A

801A

115

Flanged Case, Packing Construction

802B

801B

### FLECTRIC MOTOR DRIVE

Section	CC		
Page	320.2		
Date	March 4, 2013		
Supersedes 01/01/04			

#### Table I

B/M No.	HP	PH	RPM	"U" Dim.	Imp. Dia.	Imp. No.
B55984	75	3	3600	1-5/8"	8.06"	L06120
B55984S	75	3	3600	1-5/8"	8.06"	H05490
B55985	100	3	3600	1-5/8"	8.01"	L06121
B55985S	100	3	3600	1-5/8"	8.01"	H05491



S23013

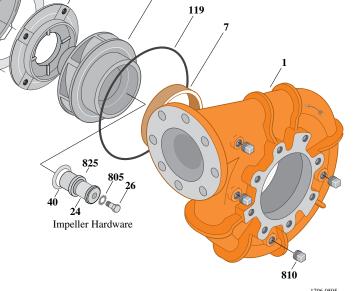
S23343

S23038

S23717

S23700

S19865



#### Table II

HP	PH	Bracket No.	"AK" Fit	"U" Dim.	Motor Frame
75	3	L05610	12-1/2"	1-5/8"	364JP
100	3	L05610	12-1/2"	1-5/8"	365JP

**NOTE:** 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.



802A

802B

805

810

811

Nut, Hex 3/8 - 16 (4 Req.)

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

Plug, Pipe 1/2 NPT (4 Reg.)

Sleeve, Impeller Locknut

Washer, Lock

Fitting, Grease

## **BERKELEY**® B5EPBM Bronze Impeller

See Supplement B

801A

S23995

S04438

S23103

S23343

S23717

S23700

S19865

Flanged Case, Packing Construction

802B

801B

### ELECTRIC MOTOR DRIVE

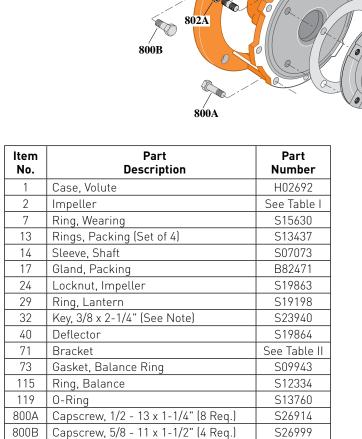
Section		CC
Page		320.3
Date		March 4, 2013
	Supersed	es 01/01/04

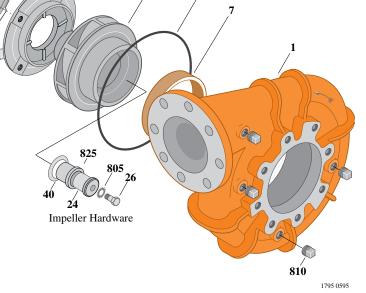
#### Table I

B/M No.	HP	PH	RPM	"U" Dim.	Imp. Dia.	Imp. No.
B55986	125	3	3600	1-5/8"	9.38"	L06122
B55986S	125	3	3600	1-5/8"	9.38"	H05492
B55987	150	3	3600	1-5/8"	9.88"	L06123
B55987S	150	3	3600	1-5/8"	9.88"	H05493

-811

115





#### Table II

HP	PH	Bracket No.	"AK" Fit	"U" Dim.	Motor Frame
125	3	L05610	12-1/2"	1-5/8"	404TC
150	3	L05610	12-1/2"	1-5/8"	405TC

**NOTE:** 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.



801A

801B

802A 802B

810

811

Stud, 3/8 - 16 x 1-1/2" (4 Req.)

Stud, 3/8 - 16 x 2-1/2" (2 Req.)

Nut, Hex 3/8 - 16 (4 Req.)

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

Sleeve, Impeller Locknut

Fitting, Grease

Plug, Pipe 1/2 NPT (4 Reg.)

# BERKELEY® B5EPBMS

# Bronze Impeller

800B

Flanged Case, Mechanical Shaft Seal Construction

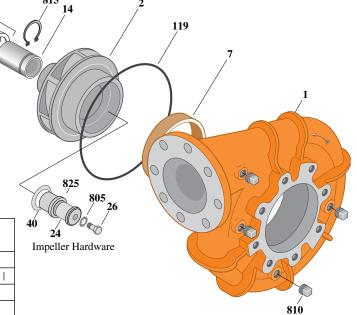
115

### ELECTRIC MOTOR DRIVE

Section		CC
Page		320.4
Date		March 4, 2013
	Supersedes	: 01/01/04

#### Table I

B/M No.	HP	PH	RPM	"U" Dim.	Imp. Dia.	Imp. No.
B56016	60	3	3600	1-1/4"	7.56"	L06119
B56016S	60	3	3600	1-1/4"	7.56"	H05489



Item No.	Part Description	Part Number
1	Case, Volute	H02692
2	Impeller	See Table I
7	Ring, Wearing	S15630
14	Sleeve, Shaft	S18869
24	Locknut, Impeller	S19868
26	Screw, Impeller 1/2 - 13 x 3-1/2"	S23633
32	Key, 1/4 x 2-1/4" (See Note)	S23677
40	Deflector	S19864
71	Bracket	See Table II
73	Gasket, Balance Ring	S09943
89	Seal, Mechanical Shaft	S32015
115	Ring, Balance	S19109
119	0-Ring	S13760
800A	Capscrew, 1/2 - 13 x 1-1/4" (8 Req.)	S26914
800B	Capscrew, 5/8 - 11 x 1-1/2" (4 Req.)	S26999
801	Stud, 3/8 - 16 x 1-1/2" (4 Req.)	S23995
802	Nut, 3/8 - 16 (4 Req.)	S23103
805	Washer, Lock	S23038
810	Plug, Pipe 1/2 NPT (4 Req.)	S23717
815	Ring, Retaining	S16767
825	Sleeve, Impeller	S19865

#### Table II

HP	PH	Bracket No.	"AK" Fit	"U" Dim.	Motor Frame
60	3	L04628	12-1/2"	1-1/4"	326JM

**NOTE:** 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.



1714 0395

## **BERKELEY**® B5EPBMS

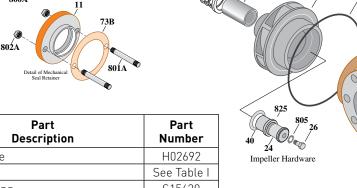
## Bronze Impeller

Flanged Case, Mechanical Shaft Seal Construction

### ELECTRIC MOTOR DRIVE

Section	CC				
Page	320.5				
Date	March 4, 2013				
Supersedes 07/01/11					

#### Table I "U" Dim. B/M No. HP PH RPM Imp. Dia. Imp. No. B62093 75 1-5/8' L06120 3 3600 8.06' B62093S 75 1-5/8" H05490 3 3600 8.06' B62094 100 3 3600 1-5/8" 8.81 L06121 100 1-5/8" B62094S 3600 8.81' H05491



Item	Part	Part
No.	Description	Number
1	Case, Volute	H02692
2	Impeller	See Table I
7	Ring, Wearing	S15630
11	Retainer, Mechanical Shaft Seal	S15377
14	Sleeve, Shaft	S07073L
24	Locknut, Impeller	S19868
26	Screw, Impeller 1/2-13x3-1/2"	S23633
32	Key, 3/8-2-1/4" (See Note)	S23940
40	Deflector	S19864
71	Bracket	See Table II
73A	Gasket, Balance Ring	S09943
73B	Gasket, Seal Retainer	S15078
89	Seal, Mechanical Shaft	S32016
115	Ring, Balance	S12334
119	0-Ring	S13760
800A	Capscrew, 1/2-13x1-1/4" (8 Req.)	S26914
800B	Capscrew, 5/8-11x1-3/4" (4 Req.)	S27001
801A	Stud, 3/8-16x2-1/2" (2 Req.)	S04438
801B	Stud, 3/8-16x1-1/2" (4 Req.)	S23994
802A	Nut, Hex 3/8-16 (2 Req.)	S23343
802B	Nut, Hex 3/8-16 (4 Req.)	S23103
805	Washer, Lock	S23038
810	Plug, Pipe 1/2 NPT (4 Req.)	S23717
820	Connector, Comp. Fitting (2 Req.)	S23013
822	Tubing, Copper	S20677
825	Sleeve, Impeller Locknut	S19865
•	Plug, Pipe 1/8 NPT (Not Illustrated)	S23714

#### Table II

HP	PH	Bracket No.	"AK" Fit	"U" Dim.	Motor Frame
75	3	L06315	12-1/2"	1-5/8"	364JP
100	3	L06315	12-1/2"	1-5/8"	365JP

**NOTE:** 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.



## **BERKELEY**® B5EPBMS

## Bronze Impeller

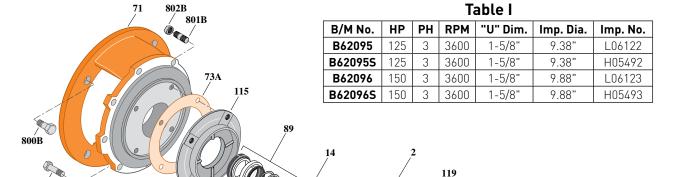
800A

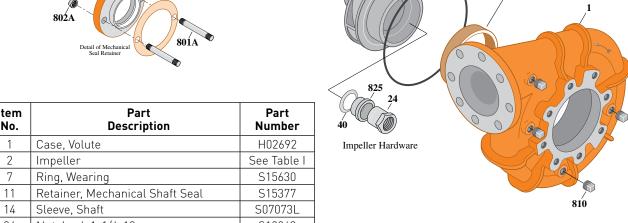
Flanged Case, Mechanical Shaft Seal Construction

73B

### FLECTRIC MOTOR DRIVE

Section		CC			
Page		320.6			
Date		March 4, 2013			
Supersedes 07/01/11					





#### Item No. 24 Nut, Lock 1-1/4-12 S19863 32 Key, 3/8x2-1/4" (See Note) S23940 Deflector S19864 71 Bracket See Table II Gasket, Balance Ring S09943 73A Seal, Mechanical Shaft S32016 115 Ring, Balance S12334 119 0-Ring S13760 A008 Capscrew, 1/2-13x1-1/4" (8 Req.) S26914 Capscrew, 5/8-11x1-3/4" (4 Req.) S27001 800B 801A Stud, 3/8-16x2-1/2" (2 Req.) S04438 801B Stud, 3/8-16x1-1/4" (4 Req.) S23994 802A Nut, Hex 3/8-16 (2 Req.) S23343 802B Nut, Hex 3/8-16 (4 Req.) S23103 Plug, Pipe 1/2 NPT (4 Reg.) S23717 810 820 Connector, Comp. Fitting (2 Req.) S24013 822 Tubing, Copper S20677 825 Sleeve, Impeller Locknut S19865 Plug, Pipe 1/8 NPT (Not Illustrated) S23714

#### Table II

HP	PH	Bracket No.	"AK" Fit	"U" Dim.	Motor Frame
125	3	L06315	12-1/2"	1-5/8"	404TC
150	3	L06315	12-1/2"	1-5/8"	405TC

**NOTE:** 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.



## **BERKELEY**® B5EPBM Silicon Bronze Impeller

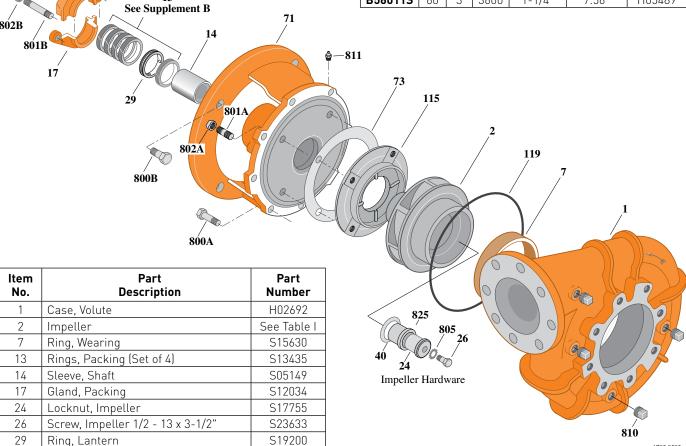
Flanged Case, Packing Construction

### ELECTRIC MOTOR DRIVE

Section	CC				
Page	320.7				
Date	March 4, 2013				
Supersedes 09/01/97					

#### Table I

B/M No.	HP	PH	RPM	"U" Dim.	Imp. Dia.	Imp. No.
B56011S	60	3	3600	1-1/4"	7.56"	H05489



S23677

S19864

See Table II

S09943

S12334

S13760

S26914

S26999

S23994

S04438

S23013

S23343

S23038

S23717

S23700

S19865

#### Table II

HP	PH Bracket No.		"AK" Fit	"U" Dim.	Motor Frame	
60	3	L03497	12-1/2"	1-1/4"	326JP	

**NOTE:** 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.



32

40

71

73

115

119

A008

800B

801A

801B

802A

802B

805

810

811

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

Capscrew, 1/2 - 13 x 1-1/4" (8 Req.)

Capscrew, 5/8 - 11 x 1-1/2" (4 Req.)

Stud, 3/8 - 16 x 1-1/4" (4 Req.)

Stud, 3/8 - 16 x 2-1/2" (2 Req.)

Nut, Hex 3/8 - 16 (4 Req.)

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

Sleeve, Impeller Locknut

Plug, Pipe 1/2" NPT (4 Reg.)

Gasket, Balance Ring

Deflector

Ring, Balance

Washer, Lock

Fitting, Grease

Bracket

0-Ring

## **BERKELEY**® B5EPBM Silicon Bronze Impeller

See Supplement B

800B

**Description** 

800A

See Table II

S09943

S12334

S13760

S26914

S26999

S23995

S04438

S23013

S23343

S23038

S23717

S23700

S19865

Flanged Case, Packing Construction

802B

Item

No.

13

14

17

24

26

32

40

71

73

115

119

A008

800B

801A

801B

802A

802B

805

810

811

Case, Volute

Ring, Wearing

Sleeve, Shaft

Gland, Packing

Ring, Lantern

Ring, Balance

Washer, Lock

Fitting, Grease

Deflector

Bracket

0-Ring

Locknut, Impeller

Rings, Packing (Set of 4)

Key, 3/8 x 2" (See Note)

Gasket, Balance Ring

Screw, Impeller 1/2 - 13 x 3-1/2'

Capscrew, 1/2 - 13 x 1-1/4" (8 Req.)

Capscrew, 5/8 - 11 x 1-1/2" (4 Req.)

Stud, 3/8 - 16 x 1-1/2" (4 Req.)

Stud, 3/8 - 16 x 2-1/2" (2 Req.)

Nut, Hex 3/8 - 16 (4 Req.)

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

Sleeve, Impeller Locknut

Plug, Pipe 1/2" NPT (4 Reg.)

Impeller

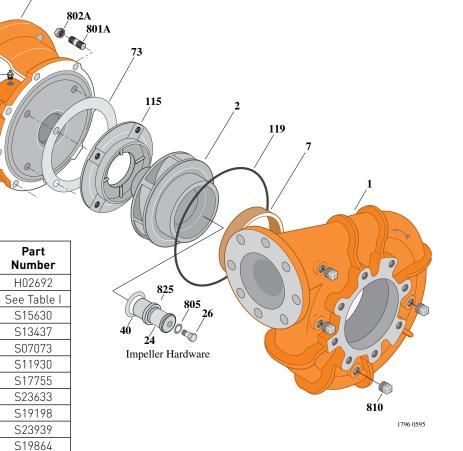
801B

### ELECTRIC MOTOR DRIVE

Section		CC			
Page		320.8			
Date		March 4, 2013			
Supersedes 9/01/97					

#### Table I

B/M No.	HP	PH	RPM	"U" Dim.	Imp. Dia.	Imp. No.
B55984S	75	3	3600	1-5/8"	8.06"	H05490
B55985S	100	3	3600	1-5/8"	8.01"	H05491



#### Table II

HP	PH	Bracket No.	"AK" Fit	"U" Dim.	Motor Frame
75	3	L05610	12-1/2"	1-5/8"	364JP
100	3	L05610	12-1/2"	1-5/8"	365JP

**NOTE:** 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.



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## **BERKELEY**® B5EPBM Silicon Bronze Impeller

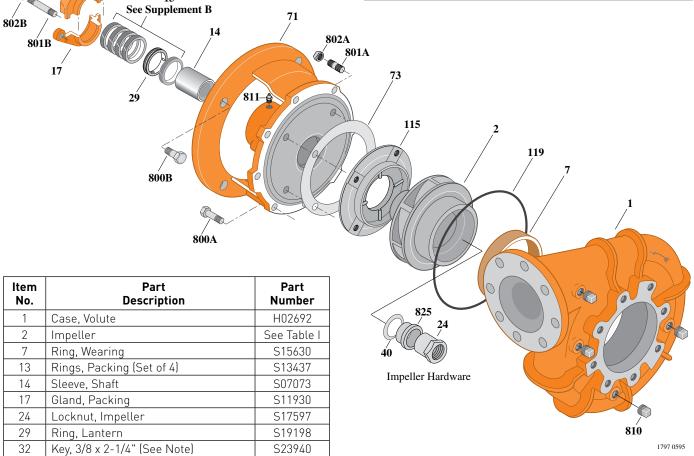
Flanged Case, Packing Construction

### FLECTRIC MOTOR DRIVE

Section	CC
Page	320.9
Date	March 4, 2013
	Supersedes 09/01/97

#### Table I

B/M No.	HP	PH	RPM	"U" Dim.	Imp. Dia.	Imp. No.
B55986S	125	3	3600	1-5/8"	9.38"	H05492
B55987S	150	3	3600	1-5/8"	9.88"	H05493



S23940

S19864

See Table II

S09943

S12334

S13760

S26914

S26999

S23995

S04438

S23103

S23343

S23717

S23700

S19865

#### Table II

HP	PH	Bracket No.	"AK" Fit	"U" Dim.	Motor Frame
125	3	L05610	12-1/2"	1-5/8"	404TC
150	3	L05610	12-1/2"	1-5/8"	405TC

**NOTE:** 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.



32 40

71

73

115

119

800A

800B

801A

801B

802A 802B

810

811

Deflector

Ring, Balance

Fitting, Grease

Gasket, Balance Ring

Capscrew, 1/2 - 13 x 1-1/4" (8 Req.)

Capscrew, 5/8 - 11 x 1-1/2" [4 Req.]

Stud, 3/8 - 16 x 1-1/2" (4 Req.)

Stud, 3/8 - 16 x 2-1/2" (2 Req.)

Nut, Hex 3/8 - 16 (4 Req.)

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

Sleeve, Impeller Locknut

Plug, Pipe 1/2" NPT (4 Reg.)

Bracket

0-Ring

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1797 0595

## **BERKELEY**® B5EPBMS Silicon Bronze Impeller

Flanged Case, Mechanical Shaft Seal Construction

### ELECTRIC MOTOR DRIVE

Section		CC
Page		320.11
Date		March 4, 2013
	Superse	des 09/01/97

#### Table I RPM "U" Dim. B/M No. HP PΗ Imp. Dia. Imp. No. B62093S 75 3600 1-5/8' H05490 8.06' B62094S 100 3 1-5/8" 3600 8.81 H05491 800B

	Detail of Mechanical Seal Retainer	825	
ltem No.	Part Description	Part Number	805 26
1	Case, Volute	H02692	Impeller Hardware
2	Impeller	See Table I	
7	Ring, Wearing	S15630	
11	Retainer, Mechanical Shaft Seal	S15377	810
14	Sleeve, Shaft	S07073	

Item No.	Part Description	Part Number
1	Case, Volute	H02692
2	Impeller	See Table I
7	Ring, Wearing	S15630
11	Retainer, Mechanical Shaft Seal	S15377
14	Sleeve, Shaft	S07073
24	Locknut, Impeller	S17755
26	Screw, Impeller 1/2-13x3-1/2"	S23633
32	Key, 3/8-2" (See Note)	S23939
40	Deflector	S19864
71	Bracket	See Table II
73A	Gasket, Balance Ring	S09943
73B	Gasket, Seal Retainer	S15078
89	Seal, Mechanical Shaft	S32016
115	Ring, Balance	S12334
119	0-Ring	S13760
800A	Capscrew, 1/2-13x1-1/4" (8 Req.)	S26914
800B	Capscrew, 5/8-11x1-3/4" (4 Req.)	S27001
801A	Stud, 3/8-16x2-1/2" (2 Req.)	S04438
801B	Stud, 3/8-16x1-1/2" (4 Req.)	S23995
802A	Nut, Hex 3/8-16 (2 Req.)	S23343
802B	Nut, Hex 3/8-16 (4 Req.)	S23103
805	Washer, Lock	S23038
810	Plug, Pipe 1/2" NPT (4 Req.)	S23717
825	Sleeve, Impeller Locknut	S19865
•	Plug, Pipe 1/8" NPT (In Bracket)	S23714

Not illustrated.

#### Table II

HP	PH	Bracket No.	"AK" Fit	"U" Dim.	Motor Frame
75	3	L06315	12-1/2"	1-5/8"	364JP
100	3	L06315	12-1/2"	1-5/8"	365JP

**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: For seal flush line details, see Supplement D.

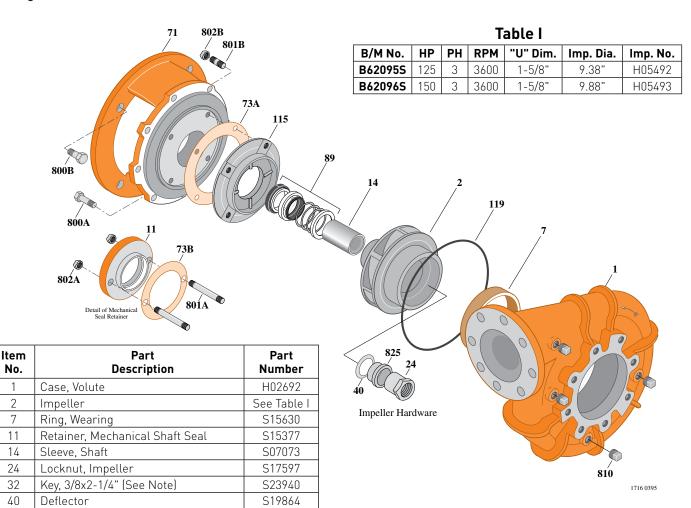


## **BERKELEY**® B5EPBMS Silicon Bronze Impeller

Flanged Case, Mechanical Shaft Seal Construction

### FLECTRIC MOTOR DRIVE

Section		CC
Page		320.12
Date		March 4, 2013
	Superse	des 09/01/97



See Table II S09943

S15078

S32016

S12334

S13760

S26914

S27001

S04438

S23995

S23343

S23103

S23717

S19865

S23714

### Table II

HP	PH	Bracket No.	"AK" Fit	"U" Dim.	Motor Frame
125	3	L06315	12-1/2"	1-5/8"	404TC
150	3	L06315	12-1/2"	1-5/8"	405TC

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: For seal flush line details, see Supplement D.



No.

7

11

14

32

40

71

73A

73B 89

115

119

A008

800B

801B 802A

802B

810

825

Bracket

0-Ring

Gasket, Balance Ring Gasket, Seal Retainer

Seal, Mechanical Shaft

Capscrew, 1/2-13x1-1/4" (8 Req.)

Capscrew, 5/8-11x1-3/4" (4 Req.)

Stud, 3/8-16x2-1/2" (2 Req.)

Stud, 3/8-16x1-1/2" (4 Req.)

Plug, Pipe 1/2" NPT (4 Req.)

Plug, Pipe 1/8" NPT (In Bracket)

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

Nut, Hex 3/8-16 (4 Req.)

Sleeve, Impeller Locknut

Ring, Balance

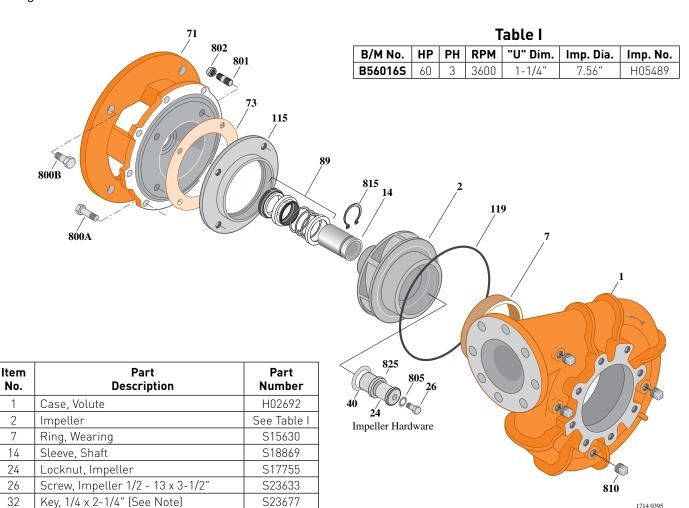


## **BERKELEY**® B5EPBMS Silicon Bronze Impeller

Flanged Case, Mechanical Shaft Seal Construction

### FLECTRIC MOTOR DRIVE

Section		CC
Page		320.20
Date		March 4, 2013
	Superse	des 09/01/97



S19864

See Table II

S09943

S32015

S19109

S13760

S26914 S26999

S23995

S23103

S23038

S23717 S16767

S19865

S23714

Table II							
ŀΡ	PH	Bracket No.	"AK" Fit	"U" Dim.	Motor Frame		
50	3	L04628	12-1/2"	1-1/4"	326JM		

NOTE 1: For an explanation of the tabulated material found on

this page and for impeller key location, refer to Supplement A

NOTE 2: For seal flush line details, see Supplement D.

• Not illustrated.

40

71

73 89

115

119

800A

800B

802

805

810

815

825

Deflector

Ring, Balance

Washer, Lock

Ring, Retaining Sleeve, Impeller

Gasket, Balance Ring

Nut, 3/8 - 16 (4 Req.)

Plug, Pipe 1/2" NPT (4 Req.)

Plug, Pipe 1/8" NPT (In Bracket)

Seal, Mechanical Shaft

Capscrew, 1/2 - 13 x 1-1/4" (8 Req.)

Capscrew, 5/8 - 11 x 1-1/2" (4 Req.) Stud, 3/8 - 16 x 1-1/2" (4 Req.)

Bracket

0-Ring



located at the beginning of this section.