## **BERKELEY**® B2EPBL Cast Iron Impeller

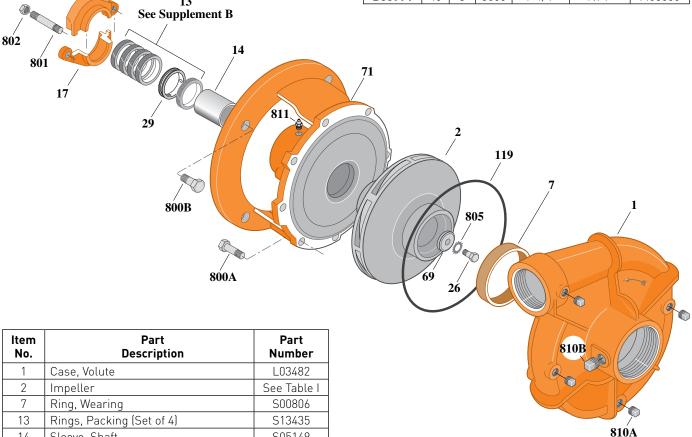
Threaded Case (NPT), Packing Construction

## FLECTRIC MOTOR DRIVE

Section	CC
Page	100.1
Date	March 4, 2013
	Supersedes 01/01/04

#### Table I

B/M No.	HP	PH	RPM	"U" Dim.	Imp. Dia.	Imp. No.
B53790	30	3	3600	1-1/4"	9.25"	M07696
B53791	40	3	3600	1-1/4"	9.94"	M05060



S05149

B82470

S23621

S19200

S23677

S06319

See Table II

S13760

S26914

S26999

S04438

S23343

S23038

S23715

S23717

S23700

1754 0495

#### Table II

HP	PH	Bracket No.	"AK" Fit	"U" Dim.	Motor Frame
30	3	L03712	12-1/2"	1-1/4"	284JP
40	3	L03712	12-1/2"	1-1/4"	286JP

**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.



14

17

26

29

32

69

71

119

800A

800B

802 805

810A

810B

811

Sleeve, Shaft

Gland, Packing

Ring, Lantern

Washer, Lock

Fitting, Grease

Plug, Pipe 1/2 NPT

Bracket

0-Ring

Washer, Impeller

Screw, Impeller 1/2 - 13 x 1-1/4"

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 2-1/2" (2 Req.)

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

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

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

# BERKELEY® B2EPBLS

# Cast Iron Impeller

**Part** 

**Description** 

Screw, Impeller 1/2 - 13 x 1-1/4"

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.)

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

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

Threaded Case (NPT), Mechanical Shaft Seal Construction

801

115

Part

Number

L03482

See Table I

S00806

S18869

S23621

S23677

S06319

See Table II

S09943

S32015

S19262

S13760

S26914

S26999

S23994

S23103

S23038

S23715

S23717

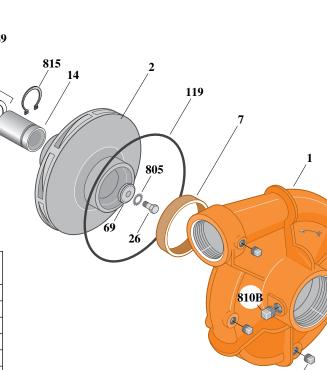
S16767

## FLECTRIC MOTOR DRIVE

Section	CC			
Page	100.2			
Date	March 4, 2013			
Supersedes 01/01/04				

#### Table I

B/M No.	HP	PH	RPM	"U" Dim.	Imp. Dia.	Imp. No.
B54084	30	3	3600	1-1/4"	9.25"	M07696
B54085	40	3	3600	1-1/4"	9.94"	M05060



1624 0295

810A

Table I
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HP	HP PH Bracket No.		"AK" Fit	"U" Dim.	Motor Frame
30	3	L04628	12-1/2"	1-1/4"	284JM
40	3	L04628	12-1/2"	1-1/4"	286JM

**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.



800B

800A

Item No.

2

7

14

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73

89

115

119

800A

800B

802

805

810A

810B

815

Case, Volute

Ring, Wearing

Sleeve, Shaft

Washer, Impeller

Ring, Balance

Washer, Lock

Gasket, Balance Ring

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

Plug, Pipe 1/2 NPT

Ring, Retaining

Seal, Mechanical Shaft

Impeller

Bracket

0-Ring

# **BERKELEY**® B2EPBL Silicon Bronze Impeller

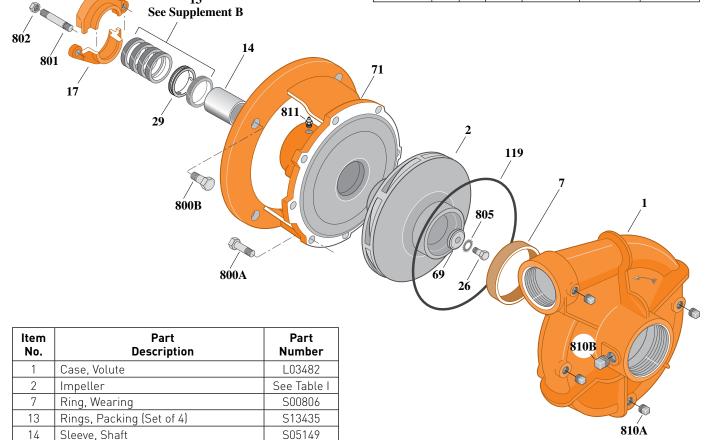
Threaded Case (NPT), Packing Construction

### FLECTRIC MOTOR DRIVE

Section	CC
Page	100.3
Date	March 4, 2013
	Supersedes 09/01/95

#### Table I

B/M No.	HP	PH	RPM	"U" Dim.	Imp. Dia.	Imp. No.
B74329	30	3	3600	1-1/4"	9.25"	M10990
B74333	40	3	3600	1-1/4"	9.94"	M10989



S12034

S23621

S19200

S23677

S06319

See Table II

S13760

S26914

S26999

S04438

S23343

S23038

S23715

S23717

S23700

1754 0495

#### Table II

HP	PH	PH Bracket No. "AK" Fit "U" Dim.		Motor Frame	
30	3	L03712	12-1/2"	1-1/4"	284JP
40	3	L03712	12-1/2"	1-1/4"	286JP

**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.



17

26

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71

119

800A

800B

802 805

810A

810B

Gland, Packing

Ring, Lantern

Washer, Lock

Fitting, Grease

Plug, Pipe 1/2 NPT

Bracket

0-Ring

Washer, Impeller

Screw, Impeller 1/2 - 13 x 1-1/4"

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 2-1/2" (2 Req.)

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

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

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

# **BERKELEY**® B2EPBLS Silicon Bronze Impeller

Threaded Case (NPT), Mechanical Shaft Seal Construction

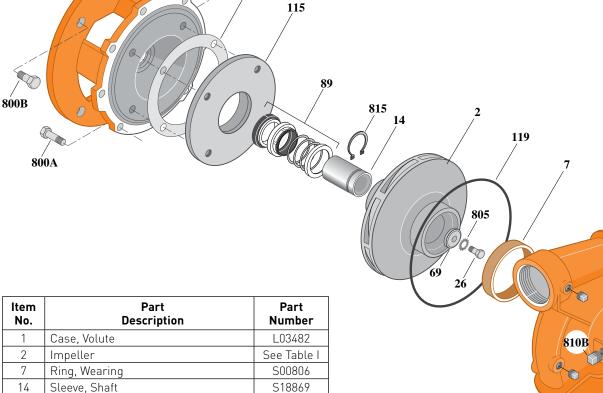
801

## FLECTRIC MOTOR DRIVE

Section	CC
Page	100.4
Date	March 4, 2013
	Supersedes 09/01/95

#### Table I

B/M No.	HP	PH	RPM	"U" Dim.	Imp. Dia.	Imp. No.
B74337	30	3	3600	1-1/4"	9.25"	M10990
B74341	40	3	3600	1-1/4"	9.94"	M10989



S23621

S23677

S06319

See Table II

S09943

S32015

S19262

S13760

S26914

S26999

S23994

S23103

S23038

S23715

S23717

S16767

1624 0295

810A

#### Table II

HP	PH	Bracket No.	"AK" Fit	"U" Dim.	Motor Frame
30	3	L04628	12-1/2"	1-1/4"	284JM
40	3	L04628	12-1/2"	1-1/4"	286JM

**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.



26

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115

119

800A

800B

802 805

810A

810B

815

Screw, Impeller 1/2 - 13 x 1-1/4"

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.)

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

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

Washer, Impeller

Ring, Balance

Washer, Lock

Gasket, Balance Ring

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

Plug, Pipe 1/2 NPT

Ring, Retaining

Seal, Mechanical Shaft

Bracket

0-Ring

# **BERKELEY**® B2EPBL Silicon Bronze Impeller

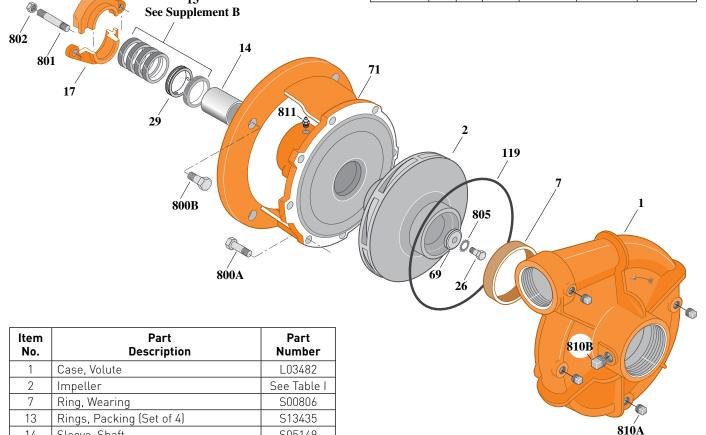
Threaded Case (NPT), Packing Construction

## FLECTRIC MOTOR DRIVE

Section		CC				
Page		100.5				
Date		March 4, 2013				
Supersedes 01/01/04						

#### Table I

B/M No.	HP	PH	RPM	"U" Dim.	Imp. Dia.	Imp. No.
B74329	30	3	3600	1-1/4"	9.25"	M10990
B74333	40	3	3600	1-1/4"	9.94"	M10989



S05149

B82470

S23621

S19200

S23677

S06319

See Table II

S13760

S26914

S26999

S04438

S23343

S23038

S23715

S23717

S23700

1754 0495

#### Table II

HP	PH	Bracket No.	"AK" Fit	"U" Dim.	Motor Frame
30	3	L03712	12-1/2"	1-1/4"	284JP
40	3	L03712	12-1/2"	1-1/4"	286JP

**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.



14

17

26

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71

119

800A

800B

802 805

810A

810B

Sleeve, Shaft

Gland, Packing

Ring, Lantern

Washer, Lock

Fitting, Grease

Plug, Pipe 1/2" NPT

Bracket

0-Ring

Washer, Impeller

Screw, Impeller 1/2 - 13 x 1-1/4"

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 2-1/2" (2 Req.)

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

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

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

# **BERKELEY**® B2EPBLS Silicon Bronze Impeller

Threaded Case (NPT), Mechanical Shaft Seal Construction

801

115

S16767

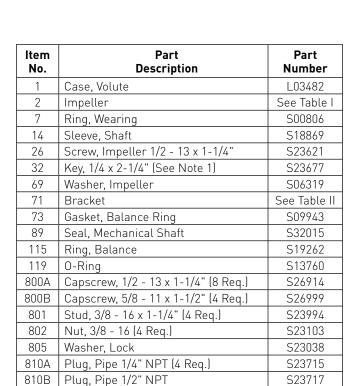
S23714

## FLECTRIC MOTOR DRIVE

Section	CC					
Page	100.6					
Date	March 4, 2013					
Supersedes 01/01/04						

#### Table I

B/M No.	HP	PH	RPM	"U" Dim.	Imp. Dia.	Imp. No.
B74337	30	3	3600	1-1/4"	9.25"	M10990
B74341	40	3	3600	1-1/4"	9.94"	M10989

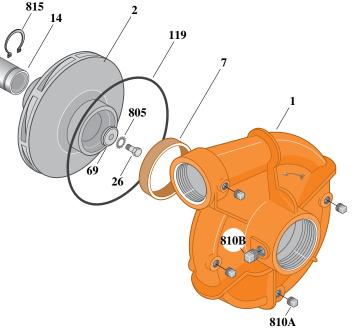


Not illustrated.

815

800B

800A



#### Table II

HP	PH Bracket No.		t No.   "AK" Fit   "		Motor Frame
30	3	L04628	12-1/2"	1-1/4"	284JM
40	3	L04628	12-1/2"	1-1/4"	286JM

**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.



Ring, Retaining

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

1624 0295

# **BERKELEY**® B2EPBL Silicon Bronze Impeller

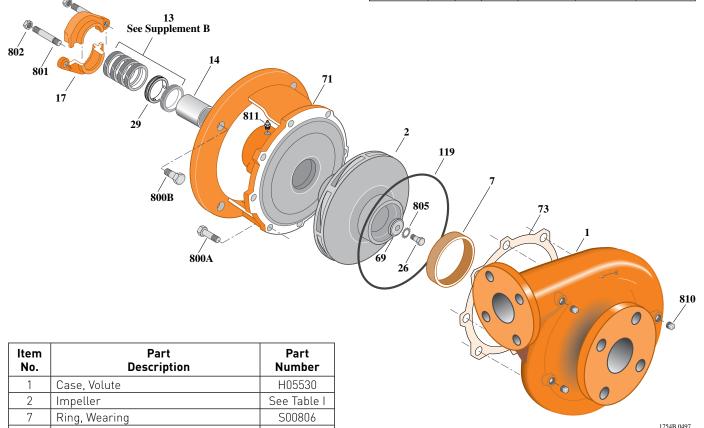
Flanged Case (NPT), Packing Construction

### FLECTRIC MOTOR DRIVE

Section	CC
Page	100.7
Date	March 4, 2013
	Supersedes 01/01/04

#### Table I

B/M No.	HP	PH	RPM	"U" Dim.	Imp. Dia.	Imp. No.
B74496	30	3	3600	1-1/4"	9.25"	M10990
B74499	40	3	3600	1-1/4"	9.94"	M10989



S13435

S05149

B82470

S23621

S19200

S23677

S06319

See Table II

S13760

S26914

S26999

S04438

S23343

S23038

S23715

S23700

#### Table II

HP	PH	Bracket No.	"AK" Fit	"U" Dim.	Motor Frame
30	3	L03712	12-1/2"	1-1/4"	284JP
40	3	L03712	12-1/2"	1-1/4"	286JP

**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.



13

14 17

26 29

32

69

71

119

800A

800B 801

802

805

810

Rings, Packing (Set of 4)

Screw, Impeller 1/2 - 13 x 1-1/4"

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

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

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

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

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

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

Sleeve, Shaft

Gland, Packing

Ring, Lantern

Washer, Lock

Fitting, Grease

Bracket

0-Ring

Washer, Impeller

293 WRIGHT STREET, DELAVAN, WI 53115 WWW.berkeleypumps.COM PH: 888-237-5353 ORDERS FAX: 800-321-8793 Because we are continuously improving our products and services, Pentair reserves the right to change specifications without prior notice.

# **BERKELEY**® B2EPBLS Silicon Bronze Impeller

Flanged Case, Mechanical Shaft Seal Construction

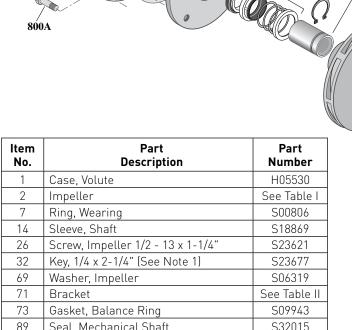
115

## ELECTRIC MOTOR DRIVE

Section	CC
Page	100.8
Date	March 4, 2013
	Supersedes 01/01/04

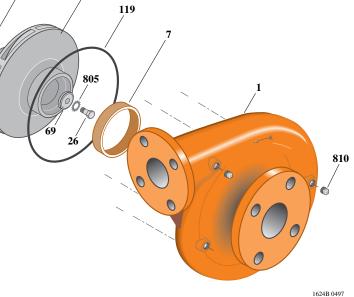
#### Table I

B/M No.	HP	PH	RPM	"U" Dim.	Imp. Dia.	Imp. No.
B74502	30	3	3600	1-1/4"	9.25"	M10990
B74505	40	3	3600	1-1/4"	9.94"	M10989



No.	Description	Number
1	Case, Volute	H05530
2	Impeller	See Table I
7	Ring, Wearing	S00806
14	Sleeve, Shaft	S18869
26	Screw, Impeller 1/2 - 13 x 1-1/4"	S23621
32	Key, 1/4 x 2-1/4" (See Note 1)	S23677
69	Washer, Impeller	S06319
71	Bracket	See Table II
73	Gasket, Balance Ring	S09943
89	Seal, Mechanical Shaft	S32015
115	Ring, Balance	S19262
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 1-1/4" (4 Req.)	S23994
802	Nut, 3/8 - 16 (4 Req.)	S23103
805	Washer, Lock	S23038
810	Plug, Pipe 1/4" NPT (4 Req.)	S23715
815	Ring, Retaining	S16767
•	Plug, Pipe 1/8" NPT (In Bracket)	S23714

<sup>•</sup> Not illustrated.



#### Table II

HP	PH	Bracket No.	"AK" Fit	"U" Dim.	Motor Frame
30	3	L04628	12-1/2"	1-1/4"	284JM
40	3	L04628	12-1/2"	1-1/4"	286JM

**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**® B2EPBLS Cast Iron Impeller

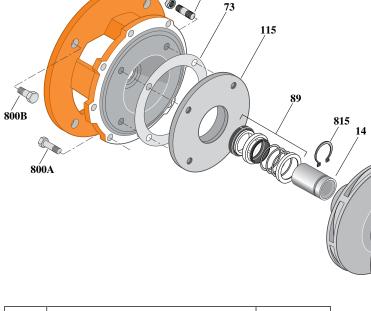
Flanged Case, Mechanical Shaft Seal Construction

## ELECTRIC MOTOR DRIVE

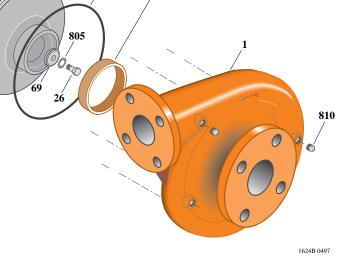
Section	CC			
Page	100.9			
Date	March 4, 2013			
Supersedes 01/01/04				

#### Table I

B/M No.	HP	PH	RPM	"U" Dim.	Imp. Dia.	Imp. No.
B76739	30	3	3600	1-1/4"	9.25"	M07696
B77339	40	3	3600	1-1/4"	9 94"	M05060



Item No.	Part Description	Part Number
1	Case, Volute	H05530
2	Impeller	See Table I
7	Ring, Wearing	S00806
14	Sleeve, Shaft	S18869
26	Screw, Impeller 1/2 - 13 x 1-1/4"	S23621
32	Key, 1/4 x 2-1/4" (See Note)	S23677
69	Washer, Impeller	S06319
71	Bracket	See Table II
73	Gasket, Balance Ring	S09943
89	Seal, Mechanical Shaft	S32015
115	Ring, Balance	S19262
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 1-1/4" (4 Req.)	S23994
802	Nut, 3/8 - 16 (4 Req.)	S23103
805	Washer, Lock	S23038
810A	Plug, Pipe 1/4 NPT (4 Req.)	S23715
810B	Plug, Pipe 1/2 NPT	S23717
815	Ring, Retaining	S16767



119

#### Table II

HP	PH	Bracket No.	"AK" Fit	"U" Dim.	Motor Frame
30	3	L04628	12-1/2"	1-1/4"	284JM
40	3	L04628	12-1/2"	1-1/4"	286JM

**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.

