13 See Supplement B

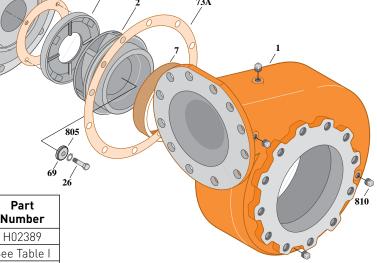
Flanged Case, Packing Construction

### ELECTRIC MOTOR DRIVE

Section	CC
Page	430.1
Date	March 4, 2013
	Supersedes 01/01/04

#### Table I

B/M No.	HP	PH	RPM	"U" Dim.	Imp. Dia.	Imp. No.
B53865	20	3	1200	1-1/4"	7.88"x10.81"	L06204
B50611	25	3	1200	1-1/4"	8.31"x11.50"	L06203
B50612	30	3	1200	1-1/4"	9.50"x12.12"	L04240



Item No.	Part Description	Part Number
1	Case, Volute	H02389
2	Impeller	See Table I
7	Ring, Wearing	M00999
13	Rings, Packing (Set of 4)	S13435
14	Sleeve, Shaft	S05149
17	Gland, Packing	B82470
26	Screw, Impeller 1/2 - 13 x 2-1/2"	S23629
29	Ring, Lantern	S19200
32	Key, 1/4 x 2-1/4" (See Note)	S23677
69	Washer, Impeller	S06319
71	Bracket	See Table II
73A	Gasket, Volute Case	S06271
73B	Gasket, Balance Ring	S09943
115	Ring, Balance	S14065
800A	Capscrew, 5/8 - 11 x 1-1/2" (4 Req.)	S26999
800B	Capscrew, 3/8 - 16 x 1-1/2" (4 Req.)	S26830
801A	Stud, 5/8 - 11 x 2-1/4" (12 Req.)	S24061
801B	Stud, 3/8 - 16 x 2-1/2" (2 Req.)	S04438
802A	Nut, Hex 5/8 - 11 (12 Req.)	S23109
802B	Nut, Hex 3/8 - 16 (2 Req.)	S23343
805	Washer, Lock	S23038
810	Plug, Pipe 1/2 NPT (4 Req.)	S23717
811	Fitting, Grease	S23700
812	Elbow, Street	S25421

#### Table II

HP	PH	Bracket No.	"AK" Fit	"U" Dim.	Motor Frame
20	3	H01601	12-1/2"	1-1/4"	286JP
25	3	H01601	12-1/2"	1-1/4"	324JP
30	3	H01601	12-1/2"	1-1/4"	326JP



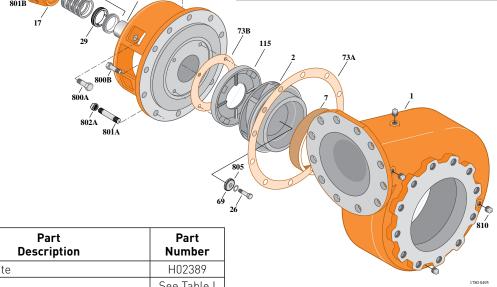
Flanged Case, Packing Construction

#### ELECTRIC MOTOR DRIVE

Section		CC		
Page		430.2		
Date		March 4, 2013		
Supersedes 01/01/04				

#### Table I

B/M No.	HP	PH	RPM	"U" Dim.	Imp. Dia.	Imp. No.
B56007	60	3	1800	1-5/8"	8.12"x10.12"	L06205
B56008	75	3	1800	1-5/8"	8.75"x10.75"	L06206



811-

Item No.	Part Description	Part Number
1	Case, Volute	H02389
2	Impeller	See Table I
7	Ring, Wearing	M00999
13	Rings, Packing (Set of 4)	S13437
14	Sleeve, Shaft	S07073
17	Gland, Packing	B82471
26	Screw, Impeller 1/2 - 13 x 2-1/2"	S23621
29	Ring, Lantern	S19198
32	Key, 1/4 x 2-1/4" (See Note)	S23677
69	Washer, Impeller	S34492
71	Bracket	See Table II
73A	Gasket, Volute Case	S06271
73B	Gasket, Balance Ring	S09943
115	Ring, Balance	S14065
800A	Capscrew, 5/8 - 11 x 1-3/4" (4 Req.)	S27001
800B	Capscrew, 3/8 - 16 x 1-1/2" (4 Req.)	S26830
801A	Stud, 5/8 - 11 x 2" (12 Req.)	S24060
801B	Stud, 3/8 - 16 x 2-1/2" (2 Req.)	S04438
802A	Nut, Hex 5/8 - 11 (12 Req.)	S23109
802B	Nut, Hex 3/8 - 16 (2 Req.)	S23343
805	Washer, Lock	S23038
810	Plug, Pipe 1/2 NPT (5 Req.)	S23717
811	Fitting, Grease	S23700
812	Elbow, Street	S25421
•	Plug, Pipe 1/4 NPT (2 Req.) (Not Illustrated)	S23715

#### Table II

HP	РН	Bracket No.	"AK" Fit	"U" Dim.	Motor Frame
60	3	H03622	12-1/2"	1-5/8"	364JP
75	3	H03622	12-1/2"	1-5/8"	365JP



13 See Supplement B

811−\$

73B

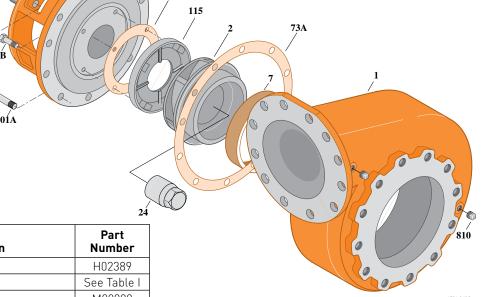
Flanged Case, Packing Construction

### ELECTRIC MOTOR DRIVE

Section		CC
Page		430.3
Date		March 4, 2013
	Superse	des 01/01/04

#### Table I

B/M No.	HP	PH	RPM	"U" Dim.	Imp. Dia.	Imp. No.
B56009	100	3	1800	1-5/8"	9.38"x11.75"	L06207
B56010	125	3	1800	1-5/8"	9.50"x12.12"	L04123



		24
ltem No.	Part Description	Part Number
1	Case, Volute	H02389
2	Impeller	See Table I
7	Ring, Wearing	M00999
13	Rings, Packing (Set of 4)	S13437
14	Sleeve, Shaft	S07073
17	Gland, Packing	B82471
24	Nut, Impeller	S07829
29	Ring, Lantern	S19198
32	Key, 3/8 x 2-1/4" (See Note)	S23940
71	Bracket	See Table II
73A	Gasket, Volute Case	S06271
73B	Gasket, Balance Ring	S09943
115	Ring, Balance	S14065
A008	Capscrew, 5/8 - 11 x 1-3/4" (4 Req.)	S27001
800B	Capscrew, 3/8 - 16 x 1-1/2" (4 Req.)	S26830
801A	Stud, 5/8 - 11 x 2" (12 Req.)	S24060
801B	Stud, 3/8 - 16 x 2-1/2" (2 Req.)	S04438
802A	Nut, Hex 5/8 - 11 (12 Req.)	S23109
802B	Nut, Hex 3/8 - 16 (2 Req.)	S23343
810	Plug, Pipe 1/2 NPT (5 Req.)	S23717
811	Fitting, Grease	S23700
812	Elbow, Street	S25421
•	Plug, Pipe 1/4 NPT (2 Req.) (Not Illustrated)	S23715

#### Table II

HP	PH	Bracket No.	"AK" Fit	"U" Dim.	Motor Frame
100	3	H03622	12-1/2"	1-5/8"	404TC
125	3	H03622	12-1/2"	1-5/8"	405TC



Flanged Case, Mechanical Shaft Seal Construction

800B

115

S23717

S16767

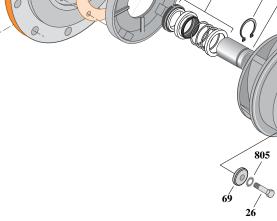
S19349

### ELECTRIC MOTOR DRIVE

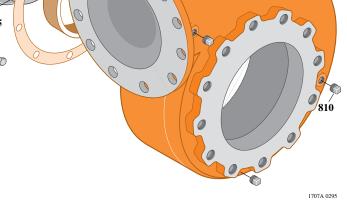
Section		CC
Page		430.4
Date		March 4, 2013
	Supersed	des 01/01/04

#### Table I 1 No. | HP | PH | RPM | "U" Dim

B/M No.	HP	PH	RPM	"U" Dim.	Imp. Dia.	Imp. No.
B54234	20	3	1200	1-1/4"	7.88"x10.81"	L06204
B54235	25	3	1200	1-1/4"	8.31"x11.50"	L06203
B54236	30	3	1200	1-1/4"	9.50"x12.12"	L04240



Item No.	Part Description	Part Number
1	Case, Volute	H02389
2	Impeller	See Table I
7	Ring, Wearing	M00999
14	Sleeve, Shaft	S18869
26	Screw, Impeller 1/2 - 13 x 2-1/2"	S23629
32	Key, 1/4 x 2-1/4" (See Note)	S23677
69	Washer, Impeller	S06319
71	Bracket	See Table II
73A	Gasket, Volute Case	S06271
73B	Gasket, Balance Ring	S09943
89	Seal, Mechanical Shaft	S32015
115	Ring, Balance	S19073
800A	Capscrew, 5/8 - 11 x 1-1/2" (4 Req.)	S26999
800B	Capscrew, 3/8 - 16 x 1" (4 Req.)	S26826
801	Stud, 5/8 - 11 x 2-1/4" (12 Req.)	S24061
802	Nut, Hex 5/8 - 11 (12 Req.)	S23109
805	Washer, Lock	S23038



#### Table II

HP	PH	Bracket No.	"AK" Fit	"U" Dim.	Motor Frame
20	3	H03301	12-1/2"	1-1/4"	286JM
25	3	H03301	12-1/2"	1-1/4"	324JM
30	3	H03301	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.



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

Ring Spacer (Not Illustrated)

Ring, Retaining

Table I

1-5/8"

1-5/8"

## **BERKELEY**® B10GPBMS Cast Iron Impeller

Flanged Case, Mechanical Shaft Seal Construction

### ELECTRIC MOTOR DRIVE

Section		CC
Page		430.5
Date		March 4, 2013
	Superse	des 01/01/04

Imp. Dia.

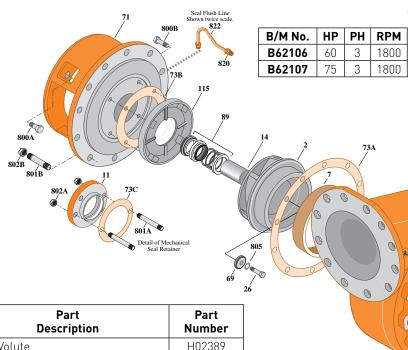
8.12"x10.12"

8.75"x10.75"

Imp. No.

L06205

L06206



Item No.	Part Description	Part Number
1	Case, Volute	H02389
2	Impeller	See Table I
7	Ring, Wearing	M00999
11	Retainer, Mechanical Shaft Seal	S15377
14	Sleeve, Shaft	S07073
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	S34492
71	Bracket	See Table II
73A	Gasket, Volute Case	S06271
73B	Gasket, Balance Ring	S09943
73C	Gasket, Seal Retainer	S16411
89	Seal, Mechanical Shaft	S32016
115	Ring, Balance	S14065
800A	Capscrew, 5/8 - 11 x 1-3/4" (4 Req.)	S27001
800B	Capscrew, 3/8 - 16 x 1-1/2" (4 Req.)	S26830
801A	Stud, 3/8 - 16 x 2-1/2" (2 Req.)	S04438
801B	Stud, 5/8 - 11 x 2" (12 Req.)	S24060
802A	Nut, Hex 3/8 - 16 (2 Req.)	S23343
802B	Nut, Hex 5/8 - 11 (12 Req.)	S23109
805	Washer, Lock	S23038
810	Plug, Pipe 1/2 NPT (5 Req.)	S23717
820	Connector, Comp. Fitting (2 Req.)	S24013
822	Tubing, Copper	S20677
•	Plug, Pipe 1/8 NPT (Not Illustrated)	S23714
•	Plug, Pipe 1/4 NPT (Not Illustrated)	S19349

#### Table II

HP	PH	Bracket No.	"AK" Fit	"U" Dim.	Motor Frame
60	3	H03936	12-1/2"	1-5/8"	364JP
75	3	H03936	12-1/2"	1-5/8"	365JP



### BERKELEY® B10GPBMS

## Cast Iron Impeller

Flanged Case, Mechanical Shaft Seal Construction

#### ELECTRIC MOTOR DRIVE

Section		CC
Page		430.6
Date		March 4, 2013
	Supersec	les 01/01/04

Imp. Dia.

9.38"x11.75"

9.50"x12.12"

Imp. No.

L06207

L04123

#### Seal Flush Line Table I 800B "U" Dim. B/M No. HP PH RPM B62108 1800 1-5/8" 100 3 1-5/8" B62109 125 3 1800 820

	801A  Detail of Mechan Seal Retainer	cal	24
Item No.	Part Description	Part Number	810
1	Case, Volute	H02389	
2	Impeller	See Table I	
7	Ring, Wearing	M00999	
11	Retainer, Mechanical Shaft Seal	S15377	1709 0295

Sleeve, Shaft S07073 24 Nut, Impeller S07829 32 Key, 3/8 x 2-1/4" (See Note) S23940 See Table II Bracket 73A Gasket, Volute Case S06271 S09943 73B Gasket, Balance Ring 73C Gasket, Seal Retainer S16411 89 Seal, Mechanical Shaft S32016 115 Ring, Balance S14065 A008 Capscrew, 5/8 - 11 x 1-3/4" (4 Req.) S27001 Capscrew, 3/8 - 16 x 1-1/2" (4 Req.) 800B S26830 801A Stud, 3/8 - 16 x 2-1/2" (2 Req.) S04438 Stud, 5/8 - 11 x 2" (12 Req.) 801B S24060 802A Nut, Hex 3/8 - 16 (2 Req.) S23343 802B Nut, Hex 5/8 - 11 (12 Req.) S23109 Plug, Pipe 1/2 NPT (5 Reg.) 810 S23717 820 Connector, Comp. Fitting (2 Req.) S24013 822 Tubing, Copper S20677 Plug, Pipe 1/8 NPT (Not Illustrated) S23714 Plug, Pipe 1/4 NPT (Not Illustrated) S19349

#### Table II

	HP	PH	Bracket No.	"AK" Fit	"U" Dim.	Motor Frame
	100	3	H03936	12-1/2"	1-5/8"	404TC
1	125	3	H03936	12-1/2"	1-5/8"	405TC



See Supplement B

811-

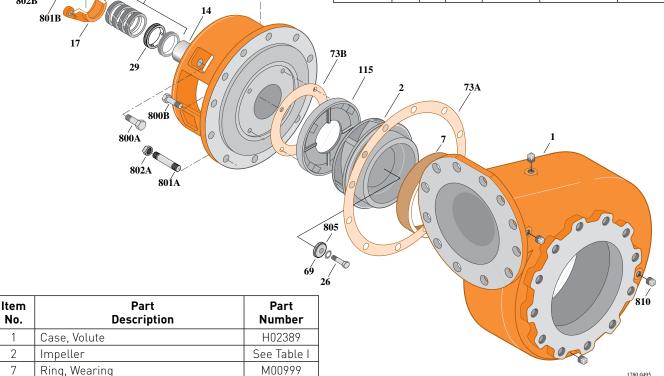
Flanged Case, Packing Construction

#### FLECTRIC MOTOR DRIVE

Section	CC
Page	430.7
Date	March 4, 2013
	Supersedes 01/01/04

#### Table I

B/M No.	HP	PH	RPM	"U" Dim.	Imp. Dia.	Imp. No.
B75261	40	3	1200	1-5/8"	9.50"x12.12"	L04123



S23109

S23343

S23038

S23717

S23700

#### Rings, Packing (Set of 4) 13 S13437 14 Sleeve, Shaft S07073 17 Gland, Packing B82471 Screw, Impeller 1/2 - 13 x 1-1/4" 26 S23621 29 Ring, Lantern S19198 Key, 3/8 x 2-1/4" (See Note) S23940 32 69 Washer, Impeller S34492 71 Bracket See Table II 73A Gasket, Volute Case S06271 73B Gasket, Balance Ring S09943 115 Ring, Balance S14065 800A Capscrew, 5/8 - 11 x 1-3/4" (4 Req.) S27001 800B Capscrew, 3/8 - 16 x 1-1/2" (4 Req.) S26830 801A Stud, 5/8 - 11 x 2" (12 Req.) S24060 801B Stud, 3/8 - 16 x 2-1/2" (2 Req.) S04438

Nut, Hex 5/8 - 11 (12 Req.)

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

Plug, Pipe 1/2" NPT (5 Reg.)

Washer, Lock

Fitting, Grease

#### Table II

HP	PH	Bracket No.	"AK" Fit	"U" Dim.	Motor Frame
40	3	H03622	12-1/2"	1-5/8"	364TCZ

**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

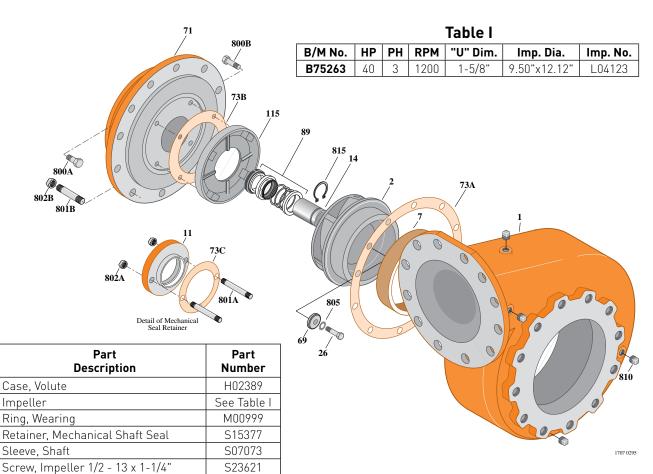
## BERKELEY® B10GPBMS

## Cast Iron Impeller

Flanged Case, Mechanical Shaft Seal Construction

#### FLECTRIC MOTOR DRIVE

Section		CC
Page		430.8
Date		March 4, 2013
	Supersed	des 01/01/04



#### \$15078 \$15078 \$32016 \$14065 \$27001 \$26830 \$04438 \$24060 \$23343 \$23109 \$23038

S23490

S34492

See Table II

S06271

S23717

S23714

• Not illustrated.

Item

No.

7

11

14

26

32

69

71

73A

73B

73C

89

115 800A

800B

801A

801B

802A

802B

805

810

Key, 3/8 x 2-1/4" (See Note)

Gasket, Mechanical Shaft Seal Retainer

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

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

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

Stud, 5/8 - 11 x 2" (12 Req.)

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

Nut, Hex 5/8 - 11 (12 Reg.)

Plug, Pipe 1/2" NPT (5 Req.)

Plug, Pipe 1/8" NPT(In Bracket)(2 Reg.)

Washer, Impeller

Gasket, Volute Case

Gasket, Balance Ring

Seal, Mechanical Shaft

Ring, Balance

Washer, Lock

Bracket

#### Table II

HP	PH	Bracket No.	"AK" Fit	"U" Dim.	Motor Frame
40	3	H03936	12-1/2"	1-5/8"	364JMZ

**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.

