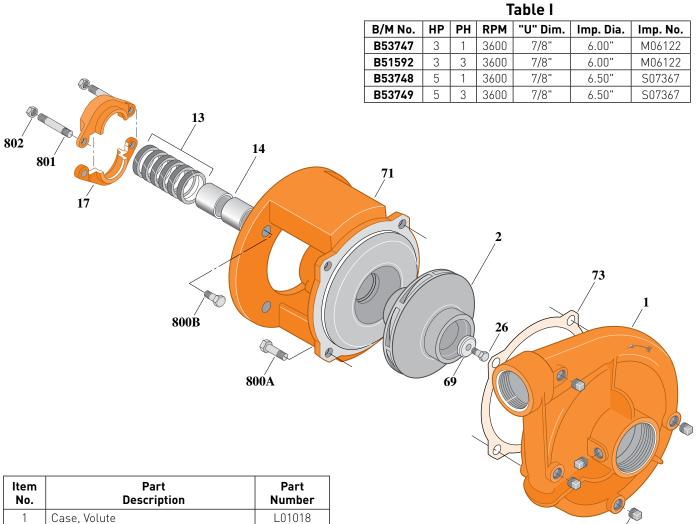
BERKELEY® B1-1/2TPL Cast Iron Impeller Threaded Case (NPT), Packing Construction

Section CC Page 20.1 Date March 4, 2013 Supersedes 01/01/04

ELECTRIC MOTOR DRIVE



810

1718 0495

1	Case, Volute	L01018
2	Impeller	See Table I
13	Rings, Packing (Set of 6)	S13469
14	Sleeve, Shaft (2 Req.)	S00619
17	Gland, Packing	B82469
26	Screw, Impeller 3/8 - 16 x 1"	S23566
32	Key, 3/16 x 1-1/4" (See Note)	S34383
69	Washer, Impeller	S16239
71	Bracket	See Table II
73	Gasket, Volute	S04757
800A	Capscrew, 1/2 - 13 x 1" (4 Req.)	S26912
800B	Capscrew, 3/8 - 16 x 7/8" (4 Req.)	S26825
801	Stud, 3/8 - 16 x 4" (2 Req.)	S08303
802	Nut, Hex 3/8 - 16 (2 Req.)	S23343
810	Plug, Pipe 1/4 NPT (5 Req.)	S23715

	Table II								
HP	PH	Bracket No.	"AK" Fit	"U" Dim.	Motor Frame				
3	1	L01525	4-1/2"	7/8"	182JP				
3	3	L01525	4-1/2"	7/8"	145JP				
5	1	L01525	4-1/2"	7/8"	184JP				
5	3	L01525	4-1/2"	7/8"	182JP				

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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Table I

ELECTRIC MOTOR DRIVE

BERKELEY[®] B1-1/2TPLS Cast Iron Impeller

Threaded Case (NPT), Mechanical Shaft Seal Construction

Section	CC
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						I	able I		
	71		B/M No.	HP	PH	RPM	"U" Dim.	Imp. Dia.	Imp. No.
			B54493	3	1	3600	7/8"	6.00"	M06122
			B54497	3	3	3600	7/8"	6.00"	M06122
	Ø		B54494	5	1	3600	7/8"	6.50"	S07367
			B54498	5	3	3600	7/8"	6.50"	S07367
	A for the second s	89		26	2			73	
Item	Part	Part						810	

1479 0195

ltem No.	Part Description	Part Number
1	Case, Volute	L01018
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)	S34383
69	Washer, Impeller	S16239
71	Bracket	See Table II
73	Gasket, Case	S04757
89	Seal, Mechanical Shaft	S32014
800A	Capscrew, 1/2 - 13 x 1" (4 Req.)	S26912
800B	Capscrew, 3/8 - 16 x 1" (4 Req.)	S26826
810	Pipe Plug, 1/4 NPT (5 Req.)	S23715
815	Ring, Seal Retaining	S11207

	Table II								
HP	PH	Bracket No.	"AK" Fit	"U" Dim.	Motor Frame				
3	1	L05329	4-1/2"	7/8"	182JM				
3	3	L05329	4-1/2"	7/8"	145JM				
5	1	L05329	4-1/2"	7/8"	184JM				
5	3	L05329	4-1/2"	7/8"	182JM				

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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F - **I** - **I** - **I**

BERKELEY® B1-1/2TPL Bronze Impeller

Threaded Case (NPT), Packing Construction

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ELECTRIC MOTOR DRIVE

				able I		
B/M No.	HP	PH	RPM	"U" Dim.	Imp. Dia.	Imp. No.
B66467	3	1	3600	7/8"	6.00"	L06662
B66468	3	3	3600	7/8"	6.00"	L06662
B66471	5	1	3600	7/8"	6.50"	M08629
B74385	5	1	3600	7/8"	6.50"	L08181
B66472	5	3	3600	7/8"	6.50"	M08629
B74386	5	3	3600	7/8"	6.50"	L08181
71						
		59	2 26		73	
		1	26			
		1	26			

S13469

S00619

B82469

S23566

S34383

S16239

See Table II

S04757

S26912

S26825

S08303

S23343

S23715

810

Table II						
HP	PH	Bracket No.	"AK" Fit	"U" Dim.	Motor Frame	
3	1	L01525	4-1/2"	7/8"	182JP	
3	3	L01525	4-1/2"	7/8"	145JP	
5	1	L01525	4-1/2"	7/8"	184JP	
5	3	L01525	4-1/2"	7/8"	182JP	

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

32

69

71

73

800A

800B

801

802

810

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Rings, Packing (Set of 6)

Screw, Impeller 3/8 - 16 x 1"

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

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

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

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

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

Capscrew, 3/8 - 16 x 7/8" (4 Req.)

Sleeve, Shaft (2 Req.)

Gland, Packing

Washer, Impeller

Gasket, Volute

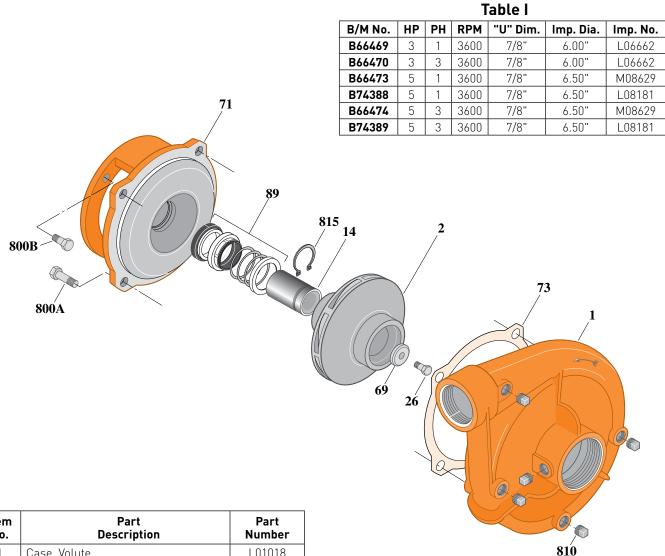
Bracket

ELECTRIC MOTOR DRIVE

BERKELEY[®] B1-1/2TPLS Bronze Impeller

Threaded Case (NPT), Mechanical Shaft Seal Construction

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ltem No.	Part Description	Part Number
1	Case, Volute	L01018
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)	S34383
69	Washer, Impeller	S16239
71	Bracket	See Table II
73	Gasket, Case	S04757
89	Seal, Mechanical Shaft	S32014
800A	Capscrew, 1/2 - 13 x 1" (4 Req.)	S26912
800B	Capscrew, 3/8 - 16 x 1" (4 Req.)	S26826
810	Pipe Plug, 1/4 NPT (5 Req.)	S23715
815	Ring, Seal Retaining	S11207

	Table II								
HP	PH	Bracket No.	"AK" Fit	"U" Dim.	Motor Frame				
3	1	L05329	4-1/2"	7/8"	182JM				
3	3	L05329	4-1/2"	7/8"	145JM				
5	1	L05329	4-1/2"	7/8"	184JM				
5	3	L05329	4-1/2"	7/8"	182JM				

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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ELECTRIC MOTOR DRIVE

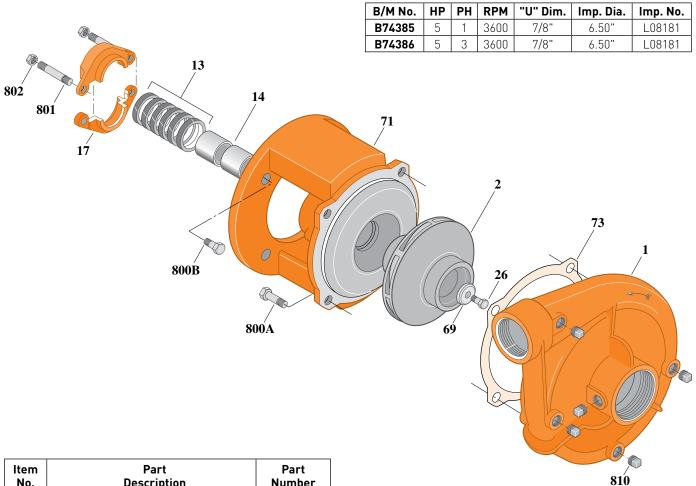
BERKELEY® B1-1/2TPL

Threaded Case (NPT), Packing Construction

Silicon Bronze Impeller

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-		20.0

Table I



1718 0495

No.	Description	Number
1	Case, Volute	L01018
2	Impeller	See Table I
13	Rings, Packing (Set of 6)	S13469
14	Sleeve, Shaft (2 Req.)	S00619
17	Gland, Packing	S00393
26	Screw, Impeller 3/8 - 16 x 1"	S23566
32	Key, 3/16 x 1-1/4" (See Note)	S34383
69	Washer, Impeller	S16239
71	Bracket	See Table II
73	Gasket, Volute	S04757
800A	Capscrew, 1/2 - 13 x 1" (4 Req.)	S26912
800B	Capscrew, 3/8 - 16 x 7/8" (4 Req.)	S26825
801	Stud, 3/8 - 16 x 4" (2 Req.)	S08303
802	Nut, Hex 3/8 - 16 (2 Req.)	S23343
810	Plug, Pipe 1/4" NPT (5 Req.)	S23715

Table II							
HP	PH	Bracket No.	"AK" Fit	"U" Dim.	Motor Frame		
5	1	L01525	4-1/2"	7/8"	184JP		
5	3	L01525	4-1/2"	7/8"	182JP		

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.



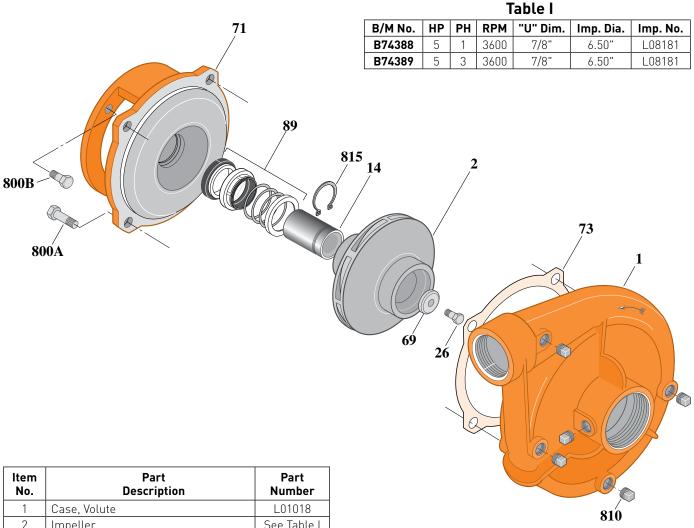
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1-1/2TPLS ELECTRIC MOTOR DRIVE

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BERKELEY[®] B1-1/2TPLS Silicon Bronze Impeller

Threaded Case (NPT), Mechanical Shaft Seal Construction



1479 0195

No.	Description	Number
1	Case, Volute	L01018
2	Impeller	See Table I
14	Sleeve, Shaft	S19310
26	Screw, Impeller 3/8 - 16 x 1"	S23566
32	Key, 3/16 x 1-1/4" (See Note)	S34383
69	Washer, Impeller	S16239
71	Bracket	See Table II
73	Gasket, Case	S04757
89	Seal, Mechanical Shaft	S32014
800A	Capscrew, 1/2 - 13 x 1" (4 Req.)	S26912
800B	Capscrew, 3/8 - 16 x 1" (4 Req.)	S26826
810	Pipe Plug, 1/4" NPT (5 Req.)	S23715
815	Ring, Seal Retaining	S11207
•	Plug, Pipe 1/8" NPT (In Bracket)	S23714

Table II PH Bracket No. "AK" Fit | "U" Dim. **Motor Frame** ΗP 4-1/2" 7/8" 184JM 5 L05329 1 5 3 L05329 4-1/2" 7/8" 182JM

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.

• Not illustrated.



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