BERKELEY® B3ZPL Cast Iron Impeller

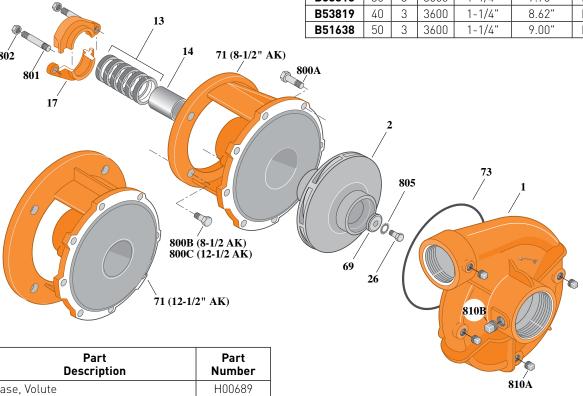
Threaded Case (NPT), Packing Construction

FLECTRIC MOTOR DRIVE

Section	CC
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Table I

B/M No.	HP	PH	RPM	"U" Dim.	Imp. Dia.	Imp. No.
B51634	20	3	3600	1-1/4"	6.75"	M07705
B51635	25	3	3600	1-1/4"	7.25"	M07706
B53818	30	3	3600	1-1/4"	7.75"	M07707
B53819	40	3	3600	1-1/4"	8.62"	M07708
B51638	50	3	3600	1-1/4"	9.00"	M03380



S23717

Item No. Case, Volute 2 Impeller See Table I 13 Rings, Packing (Set of 6) S13470 Sleeve, Shaft S05149L 14 17 Gland, Packing B82470 26 Screw, Impeller 1/2 - 13 x 1-1/2" S23623 Key, 1/4 x 2-1/4" (See Note 1) S23677 Washer, Impeller 69 S06319 71 Bracket See Table II 73 O-Ring (See Note 2) M14943 A008 Capscrew, 3/8 - 16 x 1-1/8" (8 Req.) S26827 Capscrew, $1/2 - 13 \times 1 - 1/2$ " (4 Req.) 800B S26916 Capscrew, 5/8 - 11 x 1-1/2" (4 Req.) 800C S26999 Stud, 3/8 - 16 x 4" (2 Req.) S08303 801 802 Nut, Hex 3/8 - 16 (2 Req.) S23343 Washer, Lock 805 S23038 Plug, Pipe 1/4 NPT (4 Reg.) 810A S23715

Table II

1746 1210

HP	PH	Bracket No.	"AK" Fit	"U" Dim.	Motor Frame
20	3	L03827	8-1/2"	1-1/4"	254JP
25	3	L03827	8-1/2"	1-1/4"	256JP
30	3	L01563	12-1/2"	1-1/4"	284JP
40	3	L01563	12-1/2"	1-1/4"	286JP
50	3	L01563	12-1/2"	1-1/4"	324JP

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.



810B

Plug, Pipe 1/2 NPT

BERKELEY® B3ZPL Cast Iron Impeller

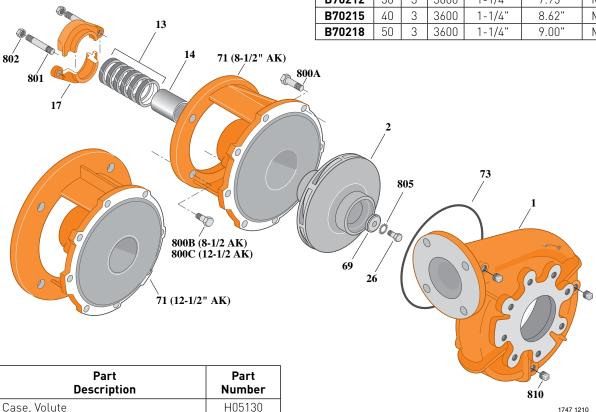
Flanged Case, Packing Construction

ELECTRIC MOTOR DRIVE

Section		CC
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Table I

B/M No.	HP	PH	RPM	"U" Dim.	Imp. Dia.	Imp. No.
B70206	20	3	3600	1-1/4"	6.75"	M07705
B70209	25	3	3600	1-1/4"	7.25"	M07706
B70212	30	3	3600	1-1/4"	7.75"	M07707
B70215	40	3	3600	1-1/4"	8.62"	M07708
B70218	50	3	3600	1-1/4"	9.00"	M03380



Item No.	Part Description	Part Number
1	Case, Volute	H05130
2	Impeller	See Table I
13	Rings, Packing (Set of 6)	S13470
14	Sleeve, Shaft	S05149L
17	Gland, Packing	B82470
26	Screw, Impeller 1/2 - 13 x 1-1/2"	S23623
32	Key, 1/4 x 2-1/4" (See Note 1)	S23677
69	Washer, Impeller	S06319
71	Bracket	See Table II
73	0-Ring (See Note 2)	M14943
800A	Capscrew, 3/8 - 16 x 1" (8 Req.)	S26826
800B	Capscrew, 1/2 - 13 x 1-1/2" (4 Req.)	S26916
800C	Capscrew, 5/8 - 11 x 1-1/2" (4 Req.)	S26999
801	Stud, 3/8 - 16 x 4" (2 Req.)	S08303
802	Nut, Hex 3/8 - 16 (2 Req.)	S23343
805	Washer, Lock	S23038
810	Plug, Pipe 1/4 NPT (3 Req.)	S23715

Table II

HP	PH	Bracket No.	"AK" Fit	"U" Dim.	Motor Frame
20	3	L03827	8-1/2"	1-1/4"	254JP
25	3	L03827	8-1/2"	1-1/4"	256JP
30	3	L01563	12-1/2"	1-1/4"	284JP
40	3	L01563	12-1/2"	1-1/4"	286JP
50	3	L01563	12-1/2"	1-1/4"	324JP

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.

BERKELEY® B3ZPLS

Cast Iron Impeller

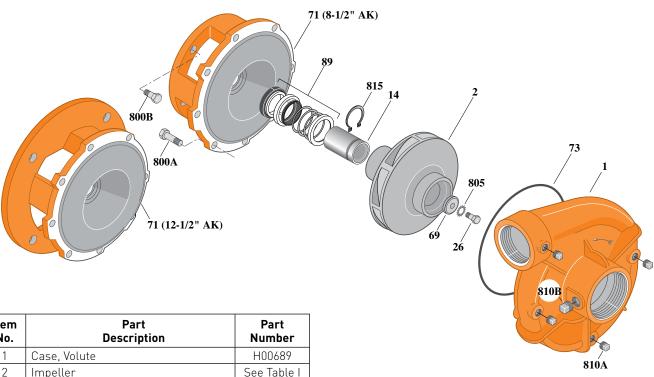
Threaded Case (NPT), Mechanical Shaft Seal Construction

ELECTRIC MOTOR DRIVE

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Table I

B/M No.	HP	PH	RPM	"U" Dim.	Imp. Dia.	Imp. No.
B54112	20	3	3600	1-1/4"	6.75"	M07705
B54113	25	3	3600	1-1/4"	7.25"	M07706
B54114	30	3	3600	1-1/4"	7.75"	M07707
B54115	40	3	3600	1-1/4"	8.62"	M07708
B54116	50	3	3600	1-1/4"	9.00"	M03380



Item No.	Part Description	Part Number
1	Case, Volute	H00689
2	Impeller	See Table I
14	Sleeve, Shaft	S18869L
26	Screw, Impeller 1/2 - 13 x 1-1/2"	S23623
32	Key, 1/4 x 2-1/4" (See Note 1)	S23677
69	Washer, Impeller	S06319
71	Bracket	See Table II
73	0-Ring (See Note 2)	M14943
89	Seal, Mechanical Shaft	S32015
800A	Capscrew, 3/8 - 16 x 1" (8 Req.)	S26826
800B	Capscrew, 1/2 - 13 x 1" (4 Req.) (For 8-1/2 AK)	S26912
800B	Capscrew, 5/8 - 11 x 1-1/4" (4 Req.) (For 12-1/2 AK)	S26997
805	Washer, Lock	S23038
810A	Plug, Pipe 1/4 NPT (4 Req.)	S23715
810B	Plug, Pipe 1/2 NPT	S23717
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
25	3	L04615	8-1/2"	1-1/4"	256JM
30	3	L04627	12-1/2"	1-1/4"	284JM
40	3	L04627	12-1/2"	1-1/4"	286JM
50	3	L04627	12-1/2"	1-1/4"	324JM

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.



BERKELEY® B3ZPLS Cast Iron Impeller

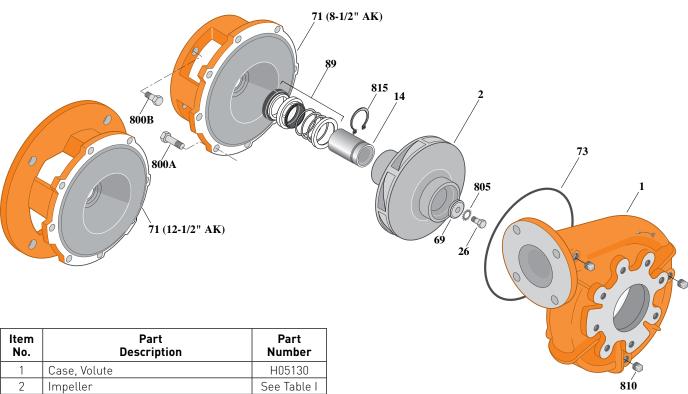
Flanged Case, Mechanical Shaft Seal Construction

ELECTRIC MOTOR DRIVE

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	Supersedes 07/01/11

Table I

B/M No.	HP	PH	RPM	"U" Dim.	Imp. Dia.	Imp. No.
B70221	20	3	3600	1-1/4"	6.75"	M07705
B70224	25	3	3600	1-1/4"	7.25"	M07706
B70227	30	3	3600	1-1/4"	7.75"	M07707
B70230	40	3	3600	1-1/4"	8.62"	M07708
B70233	50	3	3600	1-1/4"	9.00"	M03380



Item No.	Part Description	Part Number
1	Case, Volute	H05130
2	Impeller	See Table I
14	Sleeve, Shaft	S18869L
26	Screw, Impeller 1/2 - 13 x 1-1/2"	S23623
32	Key, 1/4 x 2-1/4" (See Note 1)	S23677
69	Washer, Impeller	S06319
71	Bracket	See Table II
73	0-Ring (See Note 2)	M14943
89	Seal, Mechanical Shaft	S32015
800A	Capscrew, 3/8 - 16 x 1" (8 Req.)	S26826
800B	Capscrew, 1/2 - 13 x 1" (4 Req.) (For 8-1/2 AK)	S26912
800B	Capscrew, 5/8 - 11 x 1-1/4" (4 Req.) (For 12-1/2 AK)	S26997
805	Washer, Lock	S23038
810	Plug, Pipe 1/4 NPT (3 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
25	3	L04615	8-1/2"	1-1/4"	256JM
30	3	L04627	12-1/2"	1-1/4"	284JM
40	3	L04627	12-1/2"	1-1/4"	286JM
50	3	L04627	12-1/2"	1-1/4"	324JM

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.



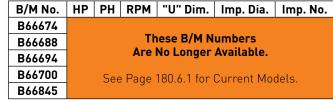
BERKELEY® B3ZPL Bronze Impeller

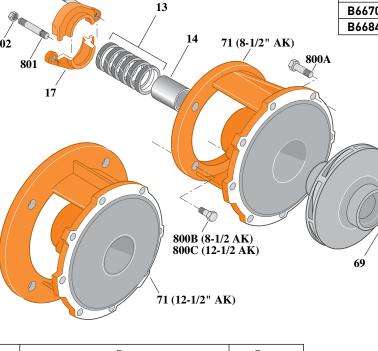
Threaded Case (NPT), Packing Construction

FLECTRIC MOTOR DRIVE

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Table I





Item No.	Part Description	Part Number
1	Case, Volute	H00689
2	Impeller	See Table I
13	Rings, Packing (Set of 6)	S13470
14	Sleeve, Shaft	S05149L
17	Gland, Packing	B82470
26	Screw, Impeller 1/2 - 13 x 1-1/2"	S23623
32	Key, 1/4 x 2-1/4" (See Note 1)	S23677
69	Washer, Impeller	S06319
71	Bracket	See Table II
73	0-Ring (See Note 2)	M14943
800A	Capscrew, 3/8 - 16 x 1-1/8" (8 Req.)	S26827
800B	Capscrew, 1/2 - 13 x 1-1/2" (4 Req.)	S26916
800C	Capscrew, 5/8 - 11 x 1-1/2" (4 Req.)	S26999
801	Stud, 3/8 - 16 x 4" (2 Req.)	S08303
802	Nut, Hex 3/8 - 16 (2 Req.)	S23343
805	Washer, Lock	S23038
810A	Plug, Pipe 1/4 NPT (4 Req.)	S23715
810B	Plug, Pipe 1/2 NPT	S23717

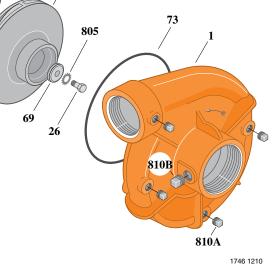


Table II

HP	PH	Bracket No.	"AK" Fit	"U" Dim.	Motor Frame
20	3	L03827	8-1/2"	1-1/4"	254JP
25	3	L03827	8-1/2"	1-1/4"	256JP
30	3	L01563	12-1/2"	1-1/4"	284JP
40	3	L01563	12-1/2"	1-1/4"	286JP
50	3	L01563	12-1/2"	1-1/4"	324JP

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.

BERKELEY® B3ZPL Bronze Impeller

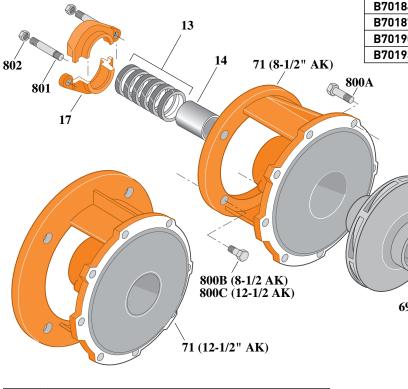
Flanged Case, Packing Construction

ELECTRIC MOTOR DRIVE

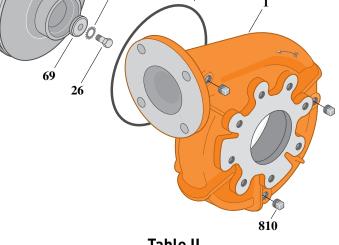
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	Supersedes	07/01/11

Table I

B/M No.	HP	PH	RPM	"U" Dim.	Imp. Dia.	Imp. No.
B70181	20	3	3600	1-1/4"	6.75"	L06598
B70184	25	3	3600	1-1/4"	7.25"	L06599
B70187	30	3	3600	1-1/4"	7.75"	L06600
B70190	40	3	3600	1-1/4"	8.62"	L06601
B70193	50	3	3600	1-1/4"	9.00"	L06659



Item No.	Part Description	Part Number
1	Case, Volute	H05130
2	Impeller	See Table I
13	Rings, Packing (Set of 6)	S13470
14	Sleeve, Shaft	S05149L
17	Gland, Packing	B82470
26	Screw, Impeller 1/2 - 13 x 1-1/2"	S23623
32	Key, 1/4 x 2-1/4" (See Note 2)	S23677
69	Washer, Impeller	S06319
71	Bracket	See Table II
73	O-Ring (See Note 2)	M14943
800A	Capscrew, 3/8 - 16 x 1" (8 Req.)	S26826
800B	Capscrew, 1/2 - 13 x 1-1/2" (4 Req.)	S26916
800C	Capscrew, 5/8 - 11 x 1-1/2" (4 Req.)	S26999
801	Stud, 3/8 - 16 x 4" (2 Req.)	S08303
802	Nut, Hex 3/8 - 16 (2 Req.)	S23343
805	Washer, Lock	S23038
810	Plug, Pipe 1/4 NPT (3 Req.)	S23715



805

Table II

HP	PH	Bracket No.	"AK" Fit	"U" Dim.	Motor Frame
20	3	L03827	8-1/2"	1-1/4"	254JP
25	3	L03827	8-1/2"	1-1/4"	256JP
30	3	L01563	12-1/2"	1-1/4"	284JP
40	3	L01563	12-1/2"	1-1/4"	286JP
50	3	L01563	12-1/2"	1-1/4"	324JP

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.

Threaded Case (NPT), Packing Construction

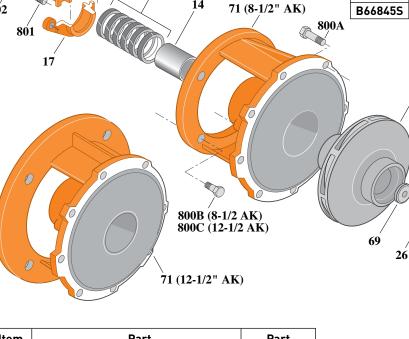
ELECTRIC MOTOR DRIVE

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Table I

B/M No.	HP	PH	RPM	"U" Dim.	Imp. Dia.	Imp. No.
B66674S	20	3	3600	1-1/4"	6.75"	H05484
B66688S	25	3	3600	1-1/4"	7.25"	H05485
B66694S	30	3	3600	1-1/4"	7.75"	H05486
B66700S	40	3	3600	1-1/4"	8.62"	H05487
B66845S	50	3	3600	1-1/4"	9.00"	H05488

805



Item No.	Part Description	Part Number
1	Case, Volute	H00689
2	Impeller	See Table I
13	Rings, Packing (Set of 6)	S13470
14	Sleeve, Shaft	S05149L
17	Gland, Packing	B82470
26	Screw, Impeller 1/2 - 13 x 1-1/2"	S23623
32	Key, 1/4 x 2-1/4" (See Note 1)	S23677
69	Washer, Impeller	S06319
71	Bracket	See Table II
73	0-Ring (See Note 2)	M14943
800A	Capscrew, 3/8 - 16 x 1-1/8" (8 Req.)	S26827
800B	Capscrew, 1/2 - 13 x 1-1/2" (4 Req.)	S26916
800C	Capscrew, 5/8 - 11 x 1-1/2" (4 Req.)	S26999
801	Stud, 3/8 - 16 x 4" (2 Req.)	S08303
802	Nut, Hex 3/8 - 16 (2 Req.)	S23343
805	Washer, Lock	S23038
810A	Plug, Pipe 1/4 NPT (4 Req.)	S23715
810B	Plug, Pipe 1/2 NPT	S23717

810A 1746 1210

Table II

HP	PH	Bracket No.	"AK" Fit	"U" Dim.	Motor Frame
20	3	L03827	8-1/2"	1-1/4"	254JP
25	3	L03827	8-1/2"	1-1/4"	256JP
30	3	L01563	12-1/2"	1-1/4"	284JP
40	3	L01563	12-1/2"	1-1/4"	286JP
50	3	L01563	12-1/2"	1-1/4"	324JP

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.



13

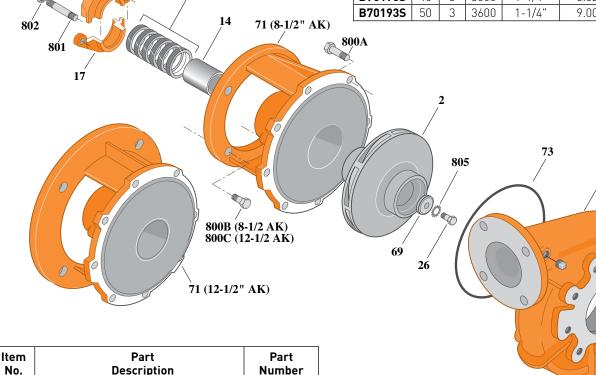
Flanged Case, Packing Construction

FLECTRIC MOTOR DRIVE

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Table I

B/M No.	HP	PH	RPM	"U" Dim.	Imp. Dia.	Imp. No.
B70181S	20	3	3600	1-1/4"	6.75"	H05484
B70184S	25	3	3600	1-1/4"	7.25"	H05485
B70187S	30	3	3600	1-1/4"	7.75"	H05486
B70190S	40	3	3600	1-1/4"	8.62"	H05487
B70193S	50	3	3600	1-1/4"	9.00"	H05488



H05130

See Table I

S13470

S05149L

B82470

S23623

S23677

S06319

See Table II

M14943

S26826

S26916

S26999

S08303

S23343

S23038

S23715

1747 1210

Table II

HP	PH	Bracket No.	"AK" Fit	"U" Dim.	Motor Frame
20	3	L03827	8-1/2"	1-1/4"	254JP
25	3	L03827	8-1/2"	1-1/4"	256JP
30	3	L01563	12-1/2"	1-1/4"	284JP
40	3	L01563	12-1/2"	1-1/4"	286JP
50	3	L01563	12-1/2"	1-1/4"	324JP

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.



Washer, Lock

Case, Volute

Sleeve, Shaft

Gland, Packing

Washer, Impeller

O-Ring (See Note 2)

Rings, Packing (Set of 6)

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

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

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

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

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

Plug, Pipe 1/4 NPT (3 Req.)

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

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

Impeller

Bracket

2

13

14

17

26

32

69 71

73

800A

800B

800C

801

802

805

BERKELEY® B3ZPLS

Bronze Impeller

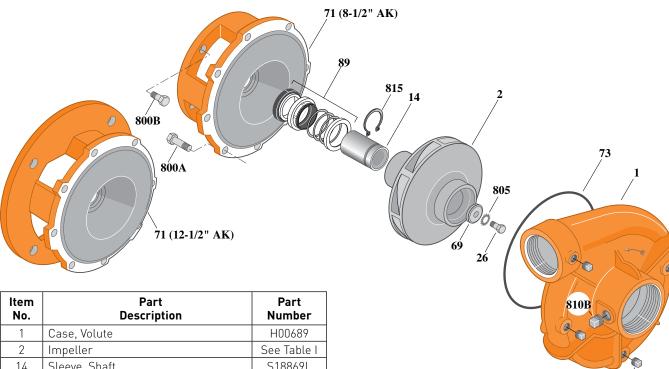
Threaded Case (NPT), Mechanical Shaft Seal Construction

ELECTRIC MOTOR DRIVE

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Table I

B/M No.	HP	PH	RPM	"U" Dim.	Imp. Dia.	Imp. No.	
B66675							
B66689	These B/M Numbers						
B66695		Are No Longer Available.					
B66701	See Page 180.8.1 for Current Models.						
B66847							



Item No.	Part Description	Part Number
1	Case, Volute	H00689
2	Impeller	See Table I
14	Sleeve, Shaft	S18869L
26	Screw, Impeller 1/2 - 13 x 1-1/2"	S23623
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" (8 Req.)	S26826
800B	Capscrew, 1/2 - 13 x 1" (4 Req.) (For 8-1/2 AK)	S26912
800B	Capscrew, 5/8 - 11 x 1-1/4" (4 Req.) (For 12-1/2 AK)	S26997
805	Washer, Lock	S23038
810A	Plug, Pipe 1/4 NPT (4 Req.)	S23715
810B	Plug, Pipe 1/2 NPT	S23717
815	Ring, Retaining	S16767
73	0-Ring (See Note 3)	M14943

Table II

810A

HP	PH	Bracket No.	"AK" Fit	"U" Dim.	Motor Frame
20	3	L04615	8-1/2"	1-1/4"	254JM
25	3	L04615	8-1/2"	1-1/4"	256JM
30	3	L04627	12-1/2"	1-1/4"	284JM
40	3	L04627	12-1/2"	1-1/4"	286JM
50	3	L04627	12-1/2"	1-1/4"	324JM

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.

BERKELEY® B3ZPLS Bronze Impeller

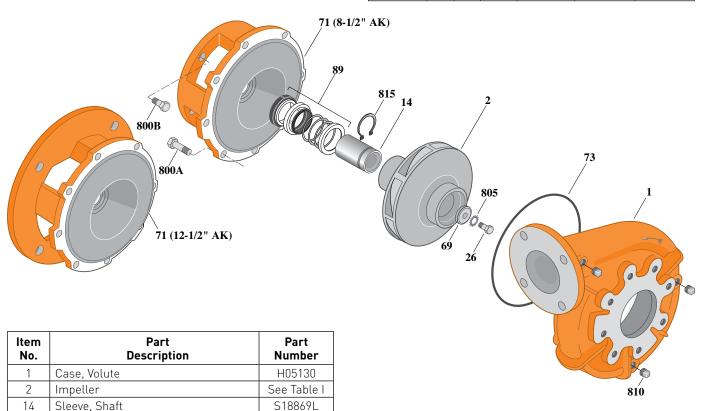
Flanged Case, Mechanical Shaft Seal Construction

FLECTRIC MOTOR DRIVE

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

Table I

B/M No.	HP	PH	RPM	"U" Dim.	Imp. Dia.	Imp. No.
B70196	20	3	3600	1-1/4"	6.75"	L06598
B70198	25	3	3600	1-1/4"	7.25"	L06599
B70200	30	3	3600	1-1/4"	7.75"	L06600
B70202	40	3	3600	1-1/4"	8.62"	L06601
B70204	50	3	3600	1-1/4"	9.00"	L06659



S23623

S23677

S06319

See Table II

M14943

S32015

S26826

S26912

S26997

S23038

S23715

S16767

Table II

HP	PH	Bracket No.	"AK" Fit	"U" Dim.	Motor Frame
20	3	L04615	8-1/2"	1-1/4"	254JM
25	3	L04615	8-1/2"	1-1/4"	256JM
30	3	L04627	12-1/2"	1-1/4"	284JM
40	3	L04627	12-1/2"	1-1/4"	286JM
50	3	L04627	12-1/2"	1-1/4"	324JM

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.



26

32

69

71

73

800A

800B

800B

805

810

815

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Because we are continuously improving our products and services, Pentair reserves the right to change specifications without prior notice.

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

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

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

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

Plug, Pipe 1/4 NPT (3 Req.)

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

Washer, Impeller

(For 8-1/2 AK)

(For 12-1/2 AK)

Ring, Retaining

Washer, Lock

O-Ring (See Note 2)

Seal, Mechanical Shaft

Bracket

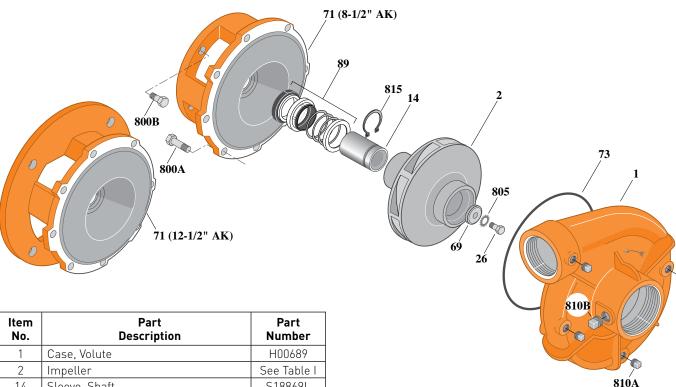
Threaded Case (NPT), Mechanical Shaft Seal Construction

ELECTRIC MOTOR DRIVE

Section		CC
Page		180.8.1
Date		March 4, 2013
	Superse	des 07/01/11

Table I

B/M No.	HP	PH	RPM	"U" Dim.	Imp. Dia.	Imp. No.
B66675S	20	3	3600	1-1/4"	6.75"	H05484
B66689S	25	3	3600	1-1/4"	7.25"	H05485
B66695S	30	3	3600	1-1/4"	7.75"	H05486
B66701S	40	3	3600	1-1/4"	8.62"	H05487
B66847S	50	3	3600	1-1/4"	9.00"	H05488



Item No.	Part Description	Part Number
1	Case, Volute	H00689
2	Impeller	See Table I
14	Sleeve, Shaft	S18869L
26	Screw, Impeller 1/2 - 13 x 1-1/2"	S23623
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" (8 Req.)	S26826
800B	Capscrew, 1/2 - 13 x 1" (4 Req.) (For 8-1/2 AK)	S26912
800B	Capscrew, 5/8 - 11 x 1-1/4" (4 Req.) (For 12-1/2 AK)	S26997
805	Washer, Lock	S23038
810A	Plug, Pipe 1/4 NPT (4 Req.)	S23715
810B	Plug, Pipe 1/2 NPT	S23717
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
25	3	L04615	8-1/2"	1-1/4"	256JM
30	3	L04627	12-1/2"	1-1/4"	284JM
40	3	L04627	12-1/2"	1-1/4"	286JM
50	3	L04627	12-1/2"	1-1/4"	324JM

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.



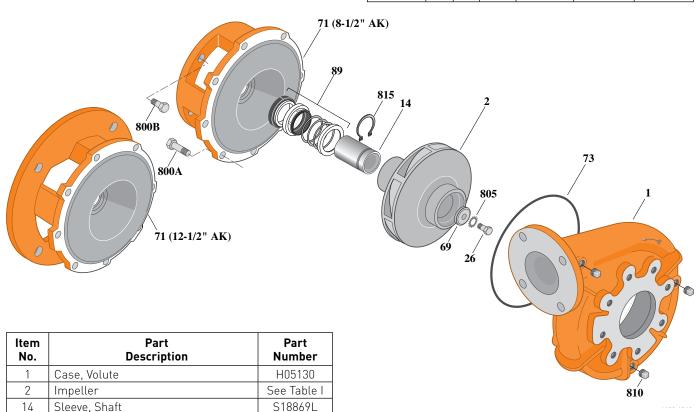
Flanged Case, Mechanical Shaft Seal Construction

ELECTRIC MOTOR DRIVE

Section	CC
Page	180.8.2
Date	March 4, 2013
	Supersedes 07/01/11

Table I

B/M No.	HP	PH	RPM	"U" Dim.	Imp. Dia.	Imp. No.
B70196S	20	3	3600	1-1/4"	6.75"	H05484
B70198S	25	3	3600	1-1/4"	7.25"	H05485
B70200S	30	3	3600	1-1/4"	7.75"	H05486
B70202S	40	3	3600	1-1/4"	8.62"	H05487
B70204S	50	3	3600	1-1/4"	9.00"	H05488



S23623

S23677

S06319

See Table II

M14943

S32015

S26826

S26912

S26997

S23038

S23715

S16767

Table II

HP	PH	Bracket No.	"AK" Fit	"U" Dim.	Motor Frame
20	3	L04615	8-1/2"	1-1/4"	254JM
25	3	L04615	8-1/2"	1-1/4"	256JM
30	3	L04627	12-1/2"	1-1/4"	284JM
40	3	L04627	12-1/2"	1-1/4"	286JM
50	3	L04627	12-1/2"	1-1/4"	324JM

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.



26

32

69

71

73

800A

800B

800B

805

810

815

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

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

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

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

Plug, Pipe 1/4 NPT (3 Req.)

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

Washer, Impeller

(For 8-1/2 AK)

(For 12-1/2 AK)

Ring, Retaining

Washer, Lock

O-Ring (See Note 2)

Seal, Mechanical Shaft

Bracket

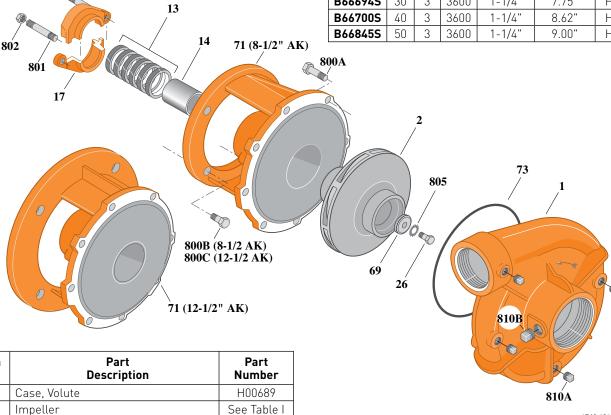
Threaded Case (NPT), Packing Construction

ELECTRIC MOTOR DRIVE

Section	CC
Page	180.9
Date	March 4, 2013
	Supersedes 07/01/11

Table I

B/M No.	HP	PH	RPM	"U" Dim.	Imp. Dia.	Imp. No.
B66674S	20	3	3600	1-1/4"	6.75"	H05484
B66688S	25	3	3600	1-1/4"	7.25"	H05485
B66694S	30	3	3600	1-1/4"	7.75"	H05486
B66700S	40	3	3600	1-1/4"	8.62"	H05487
B66845S	50	3	3600	1-1/4"	9.00"	H05488



S13470

S05149L

B82470

S23623

S23677

S06319

See Table II

M14943

S26826

S26916

S26999

S08303

S23343

S23038

S23715

S23717

1746 1210

Table II

HP	PH	Bracket No.	"AK" Fit	"U" Dim.	Motor Frame
20	3	L03827	8-1/2"	1-1/4"	254JP
25	3	L03827	8-1/2"	1-1/4"	256JP
30	3	L01563	12-1/2"	1-1/4"	284JP
40	3	L01563	12-1/2"	1-1/4"	286JP
50	3	L01563	12-1/2"	1-1/4"	324JP

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.



Item

No.

13

14

17

26

69

71

73

A008

800B

800C

801

802

805

810A

810B

Rings, Packing (Set of 6)

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

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

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

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

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

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

Washer, Lock

Plug, Pipe 1/2" NPT

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

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

Sleeve, Shaft

Gland, Packing

Washer, Impeller

O-Ring (See Note 2)

Bracket

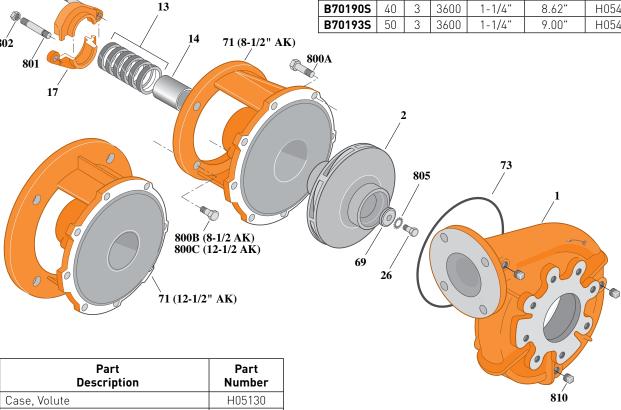
Flanged Case, Packing Construction

FLECTRIC MOTOR DRIVE

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

Table I

B/M No.	HP	PH	RPM	"U" Dim.	Imp. Dia.	Imp. No.
B70181S	20	3	3600	1-1/4"	6.75"	H05484
B70184S	25	3	3600	1-1/4"	7.25"	H05485
B70187S	30	3	3600	1-1/4"	7.75"	H05486
B70190S	40	3	3600	1-1/4"	8.62"	H05487
B70193S	50	3	3600	1-1/4"	9.00"	H05488



See Table I

S13470

S05149L

B82470

S23623

S23677

S06319

See Table II

M14943

S26826

S26916

S26999

S08303

S23343

S23038

S23715

1747 1210

Table II

HP	PH	Bracket No.	"AK" Fit	"U" Dim.	Motor Frame
20	3	L03827	8-1/2"	1-1/4"	254JP
25	3	L03827	8-1/2"	1-1/4"	256JP
30	3	L01563	12-1/2"	1-1/4"	284JP
40	3	L01563	12-1/2"	1-1/4"	286JP
50	3	L01563	12-1/2"	1-1/4"	324JP

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.



Item

No.

13

14

17

26

32

69

71

73

800A

800B

800C

801

802

805

Impeller

Bracket

Sleeve, Shaft

Gland, Packing

Washer, Impeller

O-Ring (See Note 2)

Rings, Packing (Set of 6)

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

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

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

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

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

Plug, Pipe 1/4" NPT (3 Req.)

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

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

Washer, Lock

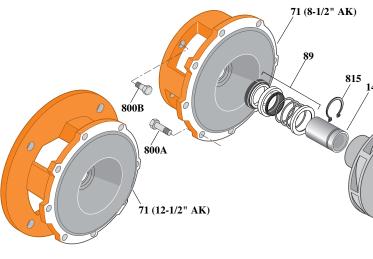
Threaded Case (NPT), Mechanical Shaft Seal Construction

FLECTRIC MOTOR DRIVE

Section		CC
Page		180.11
Date		March 4, 2013
	Supersedes	07/01/11

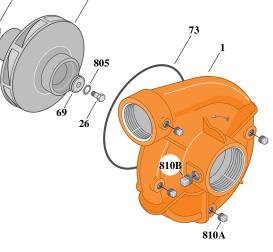
Table I

B/M No.	HP	PH	RPM	"U" Dim.	Imp. Dia.	Imp. No.
B66675S	20	3	3600	1-1/4"	6.75"	H05484
B66689S	25	3	3600	1-1/4"	7.25"	H05485
B66695S	30	3	3600	1-1/4"	7.75"	H05486
B66701S	40	3	3600	1-1/4"	8.62"	H05487
B66847S	50	3	3600	1-1/4"	9.00"	H05488



Item No.	Part Description	Part Number
1	Case, Volute	H00689
2	Impeller	See Table I
14	Sleeve, Shaft	S18869L
26	Screw, Impeller 1/2 - 13 x 1-1/2"	S23623
32	Key, 1/4 x 2-1/4" (See Note 1)	S23677
69	Washer, Impeller	S06319
71	Bracket	See Table II
73	0-Ring (See Note 3)	M14943
89	Seal, Mechanical Shaft	S32015
800A	Capscrew, 3/8 - 16 x 1" (8 Req.)	S26826
800B	Capscrew, 1/2 - 13 x 1" (4 Req.) (For 8-1/2 AK)	S26912
800B	Capscrew, 5/8 - 11 x 1-1/4" (4 Req.) (For 12-1/2 AK)	S26997
805	Washer, Lock	S23038
810A	Plug, Pipe 1/4" NPT (4 Req.)	S23715
810B	Plug, Pipe 1/2" NPT	S23717
815	Ring, Retaining	S16767
•	Plug, Pipe 1/8" NPT (In Bracket)	S23714

• Not illustrated.



1498 1210

Table II

HP	PH	Bracket No.	"AK" Fit	"U" Dim.	Motor Frame
20	3	L04615	8-1/2"	1-1/4"	254JM
25	3	L04615	8-1/2"	1-1/4"	256JM
30	3	L04627	12-1/2"	1-1/4"	284JM
40	3	L04627	12-1/2"	1-1/4"	286JM
50	3	L04627	12-1/2"	1-1/4"	324JM

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.



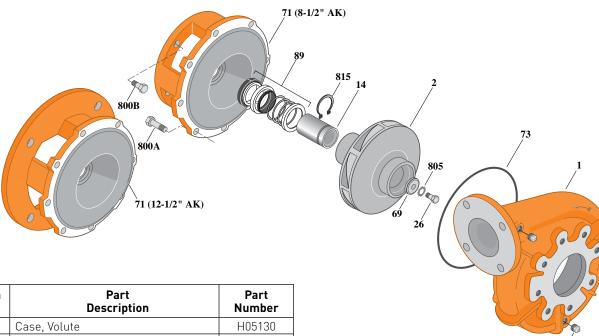
Flanged Case, Mechanical Shaft Seal Construction

ELECTRIC MOTOR DRIVE

Section		CC
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Date		March 4, 2013
	Supersed	des 07/01/11

Table I

B/M No.	HP	PH	RPM	"U" Dim.	Imp. Dia.	Imp. No.
B70196S	20	3	3600	1-1/4"	6.75"	H05484
B70198S	25	3	3600	1-1/4"	7.25"	H05485
B70200S	30	3	3600	1-1/4"	7.75"	H05486
B70202S	40	3	3600	1-1/4"	8.62"	H05487
B70204S	50	3	3600	1-1/4"	9.00"	H05488



Item No.	Part Description	Part Number
1	Case, Volute	H05130
2	Impeller	See Table I
14	Sleeve, Shaft	S18869L
26	Screw, Impeller 1/2 - 13 x 1-1/2"	S23623
32	Key, 1/4 x 2-1/4" (See Note 1)	S23677
69	Washer, Impeller	S06319
71	Bracket	See Table II
73	0-Ring (See Note 3)	M14943
89	Seal, Mechanical Shaft	S32015
800A	Capscrew, 3/8 - 16 x 1" (8 Req.)	S26826
800B	Capscrew, 1/2 - 13 x 1" (4 Req.) For 8-1/2 AK)	S26912
800B	Capscrew, 5/8 - 11 x 1-1/4" (4 Req.) (For 12-1/2 AK)	S26997
805	Washer, Lock	S23038
810	Plug, Pipe 1/4" NPT (3 Req.)	S23715
815	Ring, Retaining	S16767
•	Plug, Pipe 1/8" NPT (In Bracket)	S23714

• Not illustrated.

Table II

HP	PH	Bracket No.	"AK" Fit	"U" Dim.	Motor Frame
20	3	L04615	8-1/2"	1-1/4"	254JM
25	3	L04615	8-1/2"	1-1/4"	256JM
30	3	L04627	12-1/2"	1-1/4"	284JM
40	3	L04627	12-1/2"	1-1/4"	286JM
50	3	L04627	12-1/2"	1-1/4"	324JM

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.

