BERKELEY® B3JPBM Cast Iron Impeller

Threaded Case (NPT), Packing Construction

Section		CC
Page		240.1
Date		March 4, 2013
	Superse	des 01/01/04

ELECTRIC MOTOR DRIVE

			Table I						
			B/M No.	HP	PH	RPM	"U" Dim.	Imp. Dia.	Imp. No.
	~		B51721	15	3	1800	1-1/4"	10.18"	L06176
	(Our		B51722	20	3	1800	1-1/4"	11.12"	L06177
	13		B53835	25	3	1800	1-1/4"	11.81"	L06178
	See Supplement B		B53836	30	3	1800	1-1/4"	12.44"	L06179
802	14	≜ —811	B51725	40	3	1800	1-1/4"	13.50"	L03001
	29 800D	° O o T				2	73A		
Item	800B (8-1/2 AK) 800C (12-1/2 AK) 800A			G		805	7		
Item No.	800C (12-1/2 AK) 800A Part	Part			69		7	1	
Item No.	800C (12-1/2 AK) 800C (12-1/2 AK) 800A Part Description	Part Number			69		7		
No.	800C (12-1/2 AK) 800A Part	Part			69		7		

NO.	Description	Number
1	Case, Volute	H01863
2	Impeller	See Table I
7	Ring, Wearing	S04176
13	Rings, Packing (Set of 4)	S13435
14	Sleeve, Shaft	S05149
17	Gland, Packing	B82470
26	Screw, Impeller 1/2 - 13 x 1-1/2"	S23623
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	S06271
73B	Gasket, Balance Ring	S09943
115	Ring, Balance	M05115
800A	Capscrew, 5/8 - 11 x 1-1/2" (12 Req.)	S26999
800B	Capscrew, 1/2 - 13 x 1-1/2" (4 Req.)	S26916
800C	Capscrew, 3/8 - 16 x 1-1/2" (4 Req.)	S26830
801	Stud, 3/8 - 16 x 2-1/2" (2 Req.)	S04438
802	Nut, Hex 3/8 - 16 (2 Req.)	S23343
805	Washer, Lock	S23038
810	Plug, Pipe 1/2 NPT (6 Req.)	S23717
811	Fitting, Grease	S23700
812	Elbow, Street	S25421

	Table II										
HP	P PH Bracket No. "AK" Fit "U" Dim. Motor Fran										
15	3	H02384	8-1/2"	1-1/4"	254JP						
20	3	H02384	8-1/2"	1-1/4"	256JP						
25	3	H01601	12-1/2"	1-1/4"	284JP						
30	3	H01601	12-1/2"	1-1/4"	286JP						
40	3	H01601	12-1/2"	1-1/4"	324JP						

(Q)

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.



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.

810

1769 0495

ELECTRIC MOTOR DRIVE

BERKELEY[®] B3JPBMS Cast Iron Impeller

Threaded Case (NPT), Mechanical Shaft Seal Construction

800B

71 / 73B

115

⁸¹⁵ 14

Section		CC
Page		240.2
Date		March 4, 2013
	Superse	des 01/01/04

800C (8-1/2 AK) 800D (12-1/2 AK) 800A	0 0 0
ouua	

Table I									
HP	PH	RPM	"U" Dim.	Imp. Dia.	Imp. No.				
15	3	1800	1-1/4"	10.18"	L06176				
20	3	1800	1-1/4"	11.12"	L06177				
25	3	1800	1-1/4"	11.81"	L06178				
30	3	1800	1-1/4"	12.44"	L06179				
40	3	1800	1-1/4"	13.50"	L03001				
	15 20 25 30	15 3 20 3 25 3 30 3	HPPHRPM1531800203180025318003031800	HP PH RPM "U" Dim. 15 3 1800 1-1/4" 20 3 1800 1-1/4" 25 3 1800 1-1/4" 30 3 1800 1-1/4"	HP PH RPM "U" Dim. Imp. Dia. 15 3 1800 1-1/4" 10.18" 20 3 1800 1-1/4" 11.12" 25 3 1800 1-1/4" 11.81" 30 3 1800 1-1/4" 12.44"				

73A

Table I

ltem No.	Part Description	Part Number
1	Case, Volute	H01863
2	Impeller	See Table I
7	Ring, Wearing	S04176
14	Sleeve, Shaft	S18869
26	Screw, Impeller 1/2 - 13 x 1-1/2"	S23623
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	M06646
800A	Capscrew, 5/8 - 11 x 1-1/2" (12 Req.) (8-1/2 AK)	S26999
800A	Capscrew, 5/8 - 11 x 1-1/2" (16 Req.) (12-1/2 AK)	S26999
800B	Capscrew, 1/2 - 13 x 1-1/2" (4 Req.) (8-1/2 AK Only)	S26916
800C	Capscrew, 3/8 - 16 x 1" (4 Req.)	S26826
805	Washer, Lock	S23038
810	Plug, Pipe 1/2 NPT (6 Req.)	S23717
815	Ring, Retaining	S16767

169	02 0295

Table II											
HP	IP PH Bracket No. "AK" Fit "U" Dim. Motor Frame										
15	3	H03300	8-1/2"	1-1/4"	254JM						
20	3	H03300	8-1/2"	1-1/4"	256JM						
25	3	H03301	12-1/2"	1-1/4"	284JM						
30	3	H03301	12-1/2"	1-1/4"	286JM						
40	3	H03301	12-1/2"	1-1/4"	324JM						

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.



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.

ELECTRIC MOTOR DRIVE

BERKELEY® B3JPBM Silicon Bronze Impeller

Threaded Case (NPT), Packing Construction

Section		CC
Page		240.3
Date		March 4, 2013
	Superse	des 01/01/04

			Table I						
			B/M No.	HP	PH	RPM	"U" Dim.	Imp. Dia.	Imp. No.
			B74696	15	3	1800	1-1/4"	10.18"	H05659
			B74700	20	3	1800	1-1/4"	11.12"	H05660
			B74704	25	3	1800	1-1/4"	11.81"	H05678
	See Supplement B		B74708	30	3	1800	1-1/4"	12.44"	H05661
802 801	14	≜ —811	B74712	40	3	1800	1-1/4"	13.50"	H05662
Item	29 800D 800B (8-1/2 AK) 800C (12-1/2 AK) 800A Part	Part			69	2 805	73A 7 7	1	
No.	Description	Number			2	6		×0	S D
1	Case, Volute	H01863		0					
2	Impeller	See Table I					7 []		Me-
7	Ring, Wearing	S04176			0	0			
									///////////////////////////////////////

Item	Part	Part
No.	Description	Number
1	Case, Volute	H01863
2	Impeller	See Table I
7	Ring, Wearing	S04176
13	Rings, Packing (Set of 4)	S13435
14	Sleeve, Shaft	S05149
17	Gland, Packing	B82470
26	Screw, Impeller 1/2 - 13 x 1-1/2"	S23623
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	S06271
73B	Gasket, Balance Ring	S09943
115	Ring, Balance	M05115
800A	Capscrew, 5/8 - 11 x 1-1/2" (12 Req.)	S26999
800B	Capscrew, 1/2 - 13 x 1-1/2" (4 Req.)	S26916
800C	Capscrew, 5/8 - 11 x 1-1/2" (4 Req.)	S26999
800D	Capscrew, 3/8 - 16 x 1-1/2" (4 Req.)	S26830
801	Stud, 3/8 - 16 x 2-1/2" (2 Req.)	S04438
802	Nut, Hex 3/8 - 16 (2 Req.)	S23343
805	Washer, Lock	S23038
810	Plug, Pipe 1/2" NPT (6 Req.)	S23717
811	Fitting, Grease	S23700

Table II					
HP	PH	Bracket No.	"AK" Fit	"U" Dim.	Motor Frame
15	3	H02384	8-1/2"	1-1/4"	254JP
20	3	H02384	8-1/2"	1-1/4"	256JP
25	3	H01601	12-1/2"	1-1/4"	284JP
30	3	H01601	12-1/2"	1-1/4"	286JP
40	3	H01601	12-1/2"	1-1/4"	324JP

ag

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.



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.

810

1769 0495

ELECTRIC MOTOR DRIVE

BERKELEY[®] B3JPBMS Silicon Bronze Impeller

Threaded Case (NPT), Mechanical Shaft Seal Construction

800B R

> 71 73R

> > 115

815

Section		CC
Page		240.4
Date		March 4, 2013
	Superse	des 01/01/04

C (8-1/2 AK)
C (8-1/2 AK) D (12-1/2 AK)
Q. 0

Table I					
HP	PH	RPM	"U" Dim.	Imp. Dia.	Imp. No.
15	3	1800	1-1/4"	10.18"	H05659
20	3	1800	1-1/4"	11.12"	H05660
25	3	1800	1-1/4"	11.81"	H05678
30	3	1800	1-1/4"	12.44"	H05661
40	3	1800	1-1/4"	13.50"	H05662
	15 20 25 30	15 3 20 3 25 3 30 3	HPPHRPM1531800203180025318003031800	HP PH RPM "U" Dim. 15 3 1800 1-1/4" 20 3 1800 1-1/4" 25 3 1800 1-1/4" 30 3 1800 1-1/4"	HP PH RPM "U" Dim. Imp. Dia. 15 3 1800 1-1/4" 10.18" 20 3 1800 1-1/4" 11.12" 25 3 1800 1-1/4" 11.81" 30 3 1800 1-1/4" 12.44"

73A

Q

Table II

"U" Dim.

1-1/4"

1-1/4

1-1/4"

1-1/4"

1-1/4

"AK" Fit

8-1/2"

8-1/2'

12-1/2"

12-1/2"

12-1/2'

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

805

69 26

800 800D

800A

ltem No.	Part Description	Part Number
1	Case, Volute	H01863
2	Impeller	See Table I
7	Ring, Wearing	S04176
14	Sleeve, Shaft	S18869
26	Screw, Impeller 1/2 - 13 x 1-1/2"	S23623
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	M06646
800A	Capscrew, 5/8 - 11 x 1-1/2" (12 Req.)	S26999
800B	Capscrew, 3/8 - 16 x 1" (4 Req.)	S26826
800C	Capscrew, 1/2 - 13 x 1-1/2" (4 Req.)	S26916
800D	Capscrew, 5/8 - 11 x 1-1/2" (4 Req.)	S26999
805	Washer, Lock	S23038
810	Plug, Pipe 1/2" NPT (6 Req.)	S23717
815	Ring, Retaining	S16767
•	Plug, Pipe 1/8" NPT (In Bracket)	S23714

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.

Not illustrated.



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.

Bracket No.

H03300

H03300

H03301

H03301

H03301

HP

15

20

25

30

40

PH |

3

3

3

3

3

5

810

Motor Frame

254JM

256JM

284JM

286JM

324JM

1692 0295