

850 SERIES – Model 4X3-12



Model 4X3-12 – Close-Coupled Configuration

PERFORMANCE

850CC/4X3-12/4P

Max. Flow Rate: 239 gpm

Max. Head: 147 ft.

Max. Working Temperature: 250° F

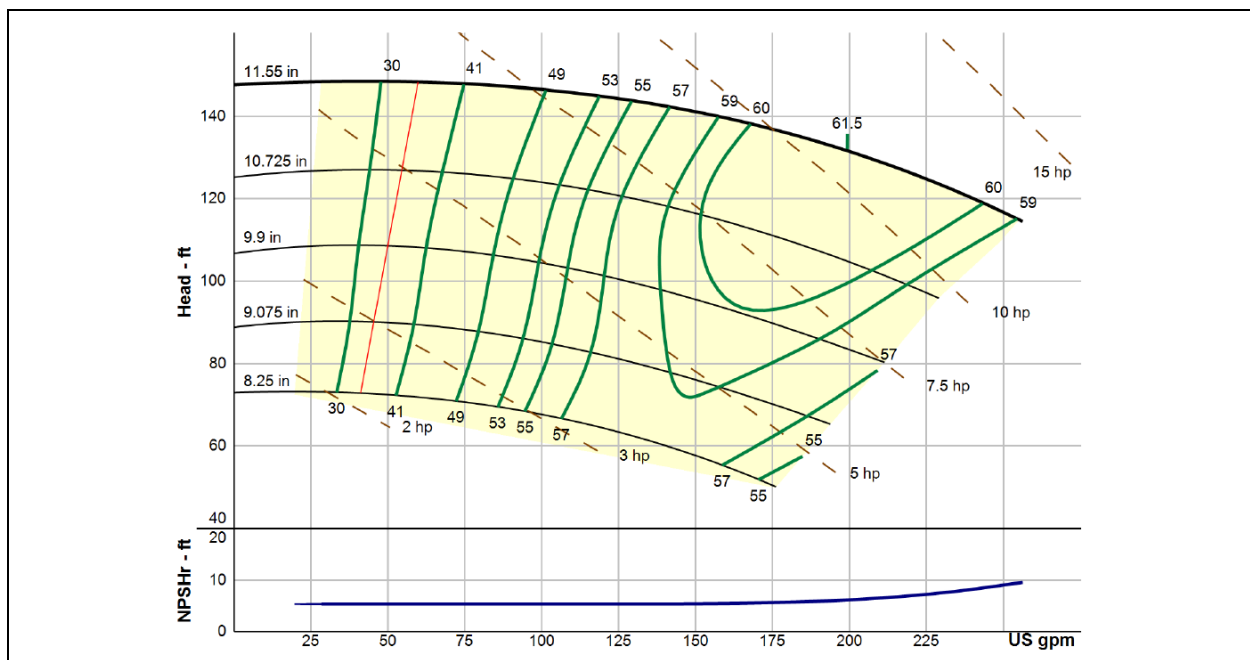
Max. Working Pressure: 175 psi

Max. Rated Speed: 1800 RPM

Max. Particle Size: 0.28" Diameter

Hydrotest Pressure: 263 psi

PERFORMANCE CURVE – 850CC/4X3-12/4P, 1750 RPM



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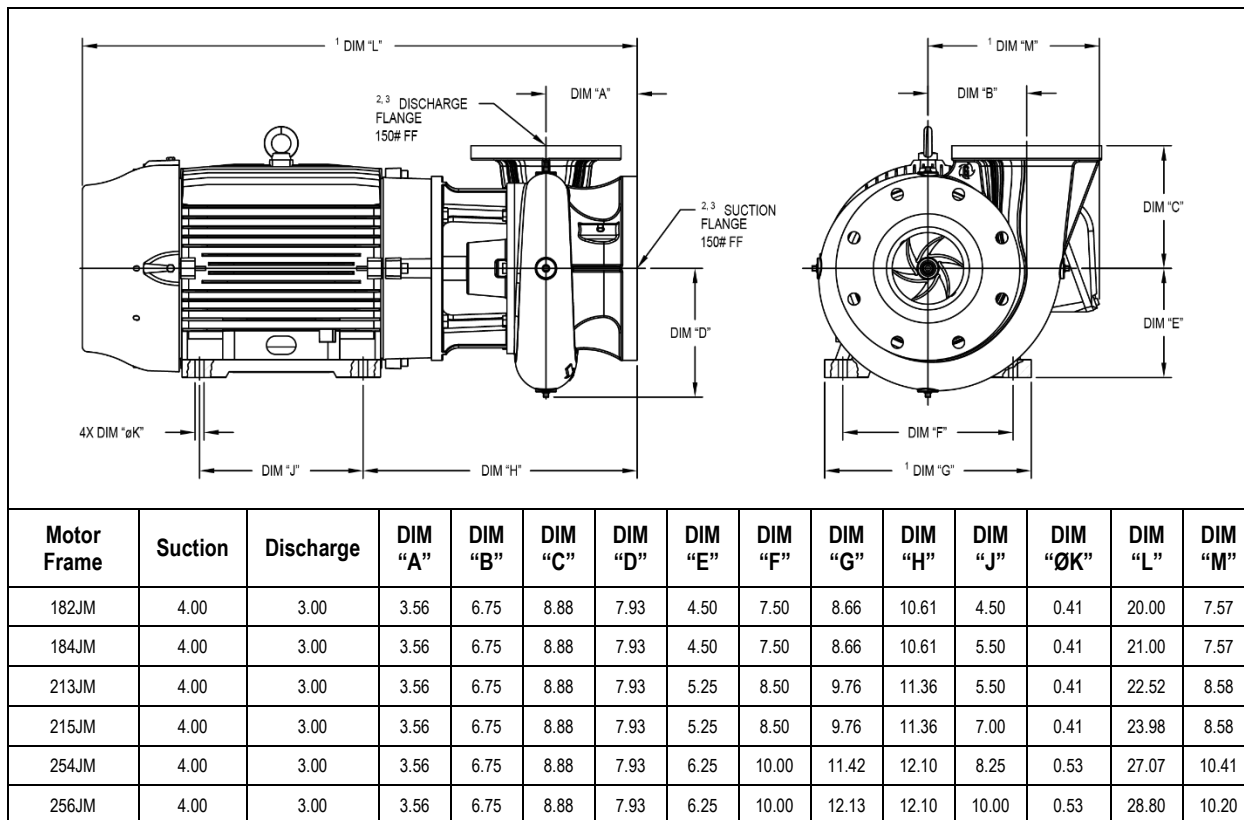
PEI_{CL} 0.94

Impeller Diameter: 11.550 in.

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DIMENSIONS (INCHES)



¹Dimension may vary with motor model and manufacturer

²150# Flange is dimensionally identical to a 125# Flange

³Bolt holes straddle pump centerlines

LG1834 REV. B

850 Series Model: 850CC/4X3-12/4P

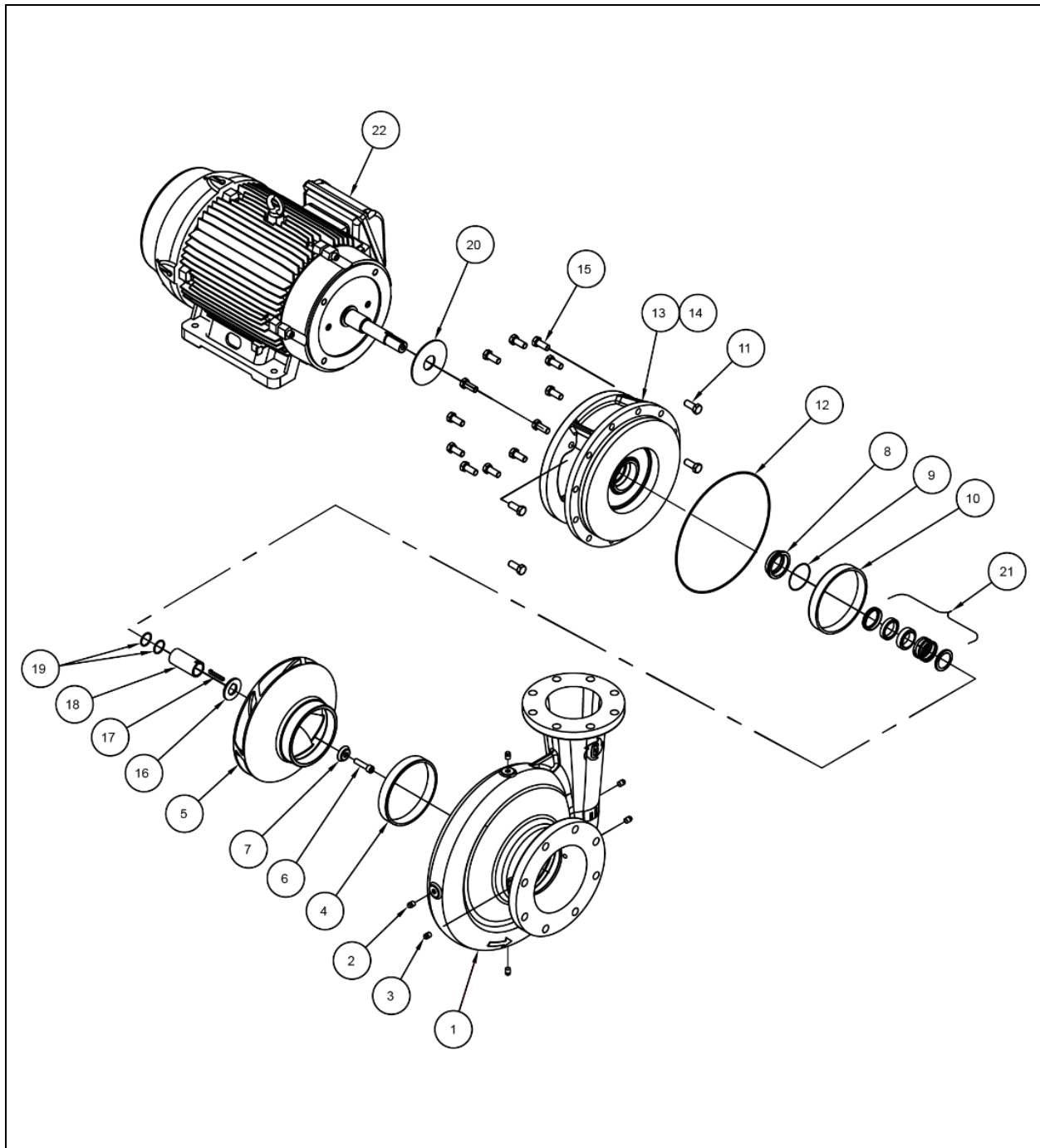
PEI_{CL} 0.94

Impeller Diameter: 11.550 in.

850 SERIES – Model 4X3-12



EXPLODED VIEW



LG1818 REV. A

850 Series Model: 850CC/4X3-12/4P

PEI_{CL} 0.94

Impeller Diameter: 11.550 in.

850 SERIES – Model 4X3-12



PARTS LISTING

Compatible Motor Frame Family			4x3-12			Material of Construction
			143JM, 145JM, 182JM, 184JM (JM1)	213JM, 215JM (JM2)	254JM, 256JM (JM3)	
Item	Description	Qty.	P/N	P/N	P/N	
Case Kit						
1	Case Kit ^{1, 3}	1	3200000K			Ductile Iron, ASTM A395
2	Case Plugs 1/4" MNPT	4	31005911			Steel
3	Case Plugs 1/2" MNPT					
4	Case Wear Ring	1	8020100			Bismuth Tin Bronze (Lead Free)
Impeller Kit						
5	Impeller, Only ⁴	1	5200200		5200400	Aluminum Bronze, ASTM B148
	Impeller, Kit ^{4, 5}	1	5200200K		5200400K	Aluminum Bronze, ASTM B148
Back Pull Out Kit						
6	Impeller Bolt SHCS, 3/8-16 x 1.75 Lg	1	ALLEN37516X175U			Steel
	Impeller Bolt SHCS, 1/2-13 X 1.25 Lg	1			ALLEN50013X125U	Steel
7	Impeller Washer	1	14412209		14412310	300 Series Stainless Steel
8	Seal Adapter Kit ⁷	1	7102001K			300 Series Stainless Steel
9	Seal Adapter O-Ring -036 Buna	1	036B			Buna-N
10	Bracket Wear Ring					
11	Bracket/Motor Bolts HHCS, 3/8-16 x 1.00 Lg	4	14129423			Steel – Grade 5
	Bracket/Motor Bolts HHCS, 1/2-13 x 1.25 Lg	4		14133003		Steel – Grade 5
12	Case/Bracket O-Ring -278 Buna	1	47027800			Buna-N
13	Bracket ^{2, 3}	1	2525800K			Ductile Iron, ASTM A395
14	Bracket Plug 1/2" MNPT					
15	Case/Bracket Bolts HHCS, 1/2-13 x 1.25 Lg	12	14133003			Steel – Grade 5
16	Impeller Spacer					
17	Impeller Key	1	14412407		14412506	Steel
18	Sleeve, Kit ⁶	1	8222400K		8242700K	Bismuth Tin Bronze (Lead Free)
19	Sleeve O-Ring -022 Buna	2	47002209		47012604	Buna-N
20	Deflector	1	22020408		22020508	Neoprene
21	Mechanical Seal	1	See mechanical seal list for P/N			
22	Motor	1	Contact factory for P/N			

LG1823 Rev. C

¹ Case Kit includes item 2, 3, 4, 12 and 15.

² Bracket Kit includes item 11, 14 and 20.

³ Part is available with epoxy coating of interior or interior+exterior. Specified part number is for uncoated part, contact factory for coated part numbers.

⁴ Part is available with epoxy coating. Append 'PC' to the indicated part number when referring to the coated part.

⁵ Impeller Kit includes item 6, 7, 10, 16 and 17.

⁶ Sleeve Kit includes item 19.

⁷ Seal adapter kit includes item 9

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GRS-17105-T-01

PAGE 4 OF 4



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