

850 SERIES – Model 8X8-13



Model 8X8-13 – Close-Coupled Configuration

PERFORMANCE

850CC/8X8-13/4P

Max. Flow Rate: 3,850 gpm

Max. Head: 120 ft.

Max. Working Temperature: 120° F

Max. Working Pressure: 60 psi

Max. Rated Speed: 1800 RPM

Max. Particle Size: 0.9" Diameter

Hydrotest Pressure: 90 psi

850CC/8X8-13/6P

Max. Flow Rate: 2,365 gpm

Max. Head: 50 ft.

Max. Working Temperature: 120° F

Max. Working Pressure: 60 psi

Max. Rated Speed: 1200 RPM

Max. Particle Size: 0.9" Diameter

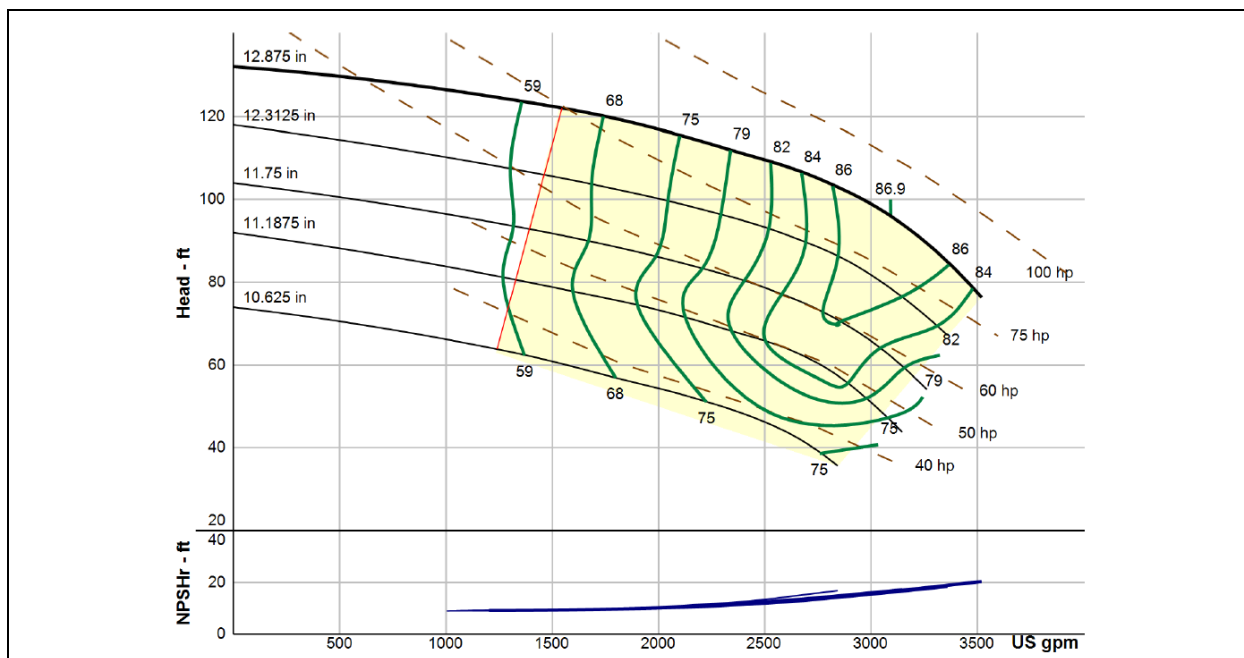
Hydrotest Pressure: 90 psi

850 Series Model: 850CC/8X8-13/4P	PEI _{CL} 0.97	Impeller Diameter: 12.875 in.
850 Series Model: 850CC/8X8-13/6P	PEI _{CL} N/A	Impeller Diameter: 12.875 in.

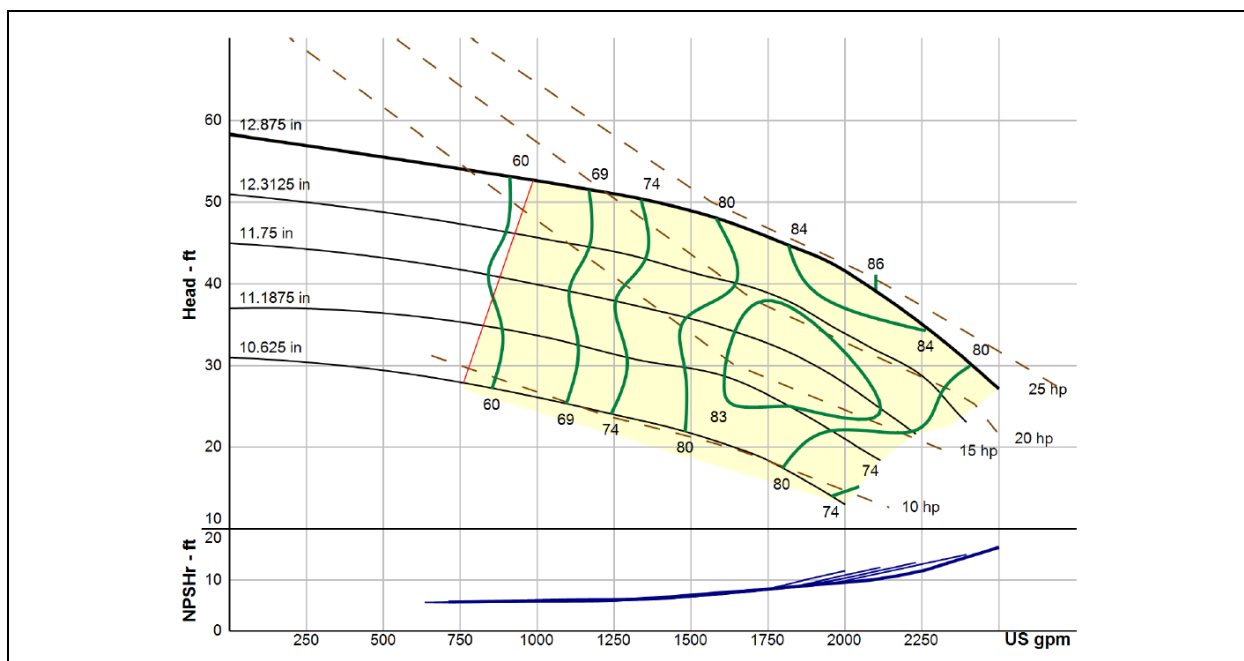
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PERFORMANCE CURVE – 850CC/8X8-13/4P, 1750 RPM



PERFORMANCE CURVE – 850CC/8X8-13/6P, 1150 RPM

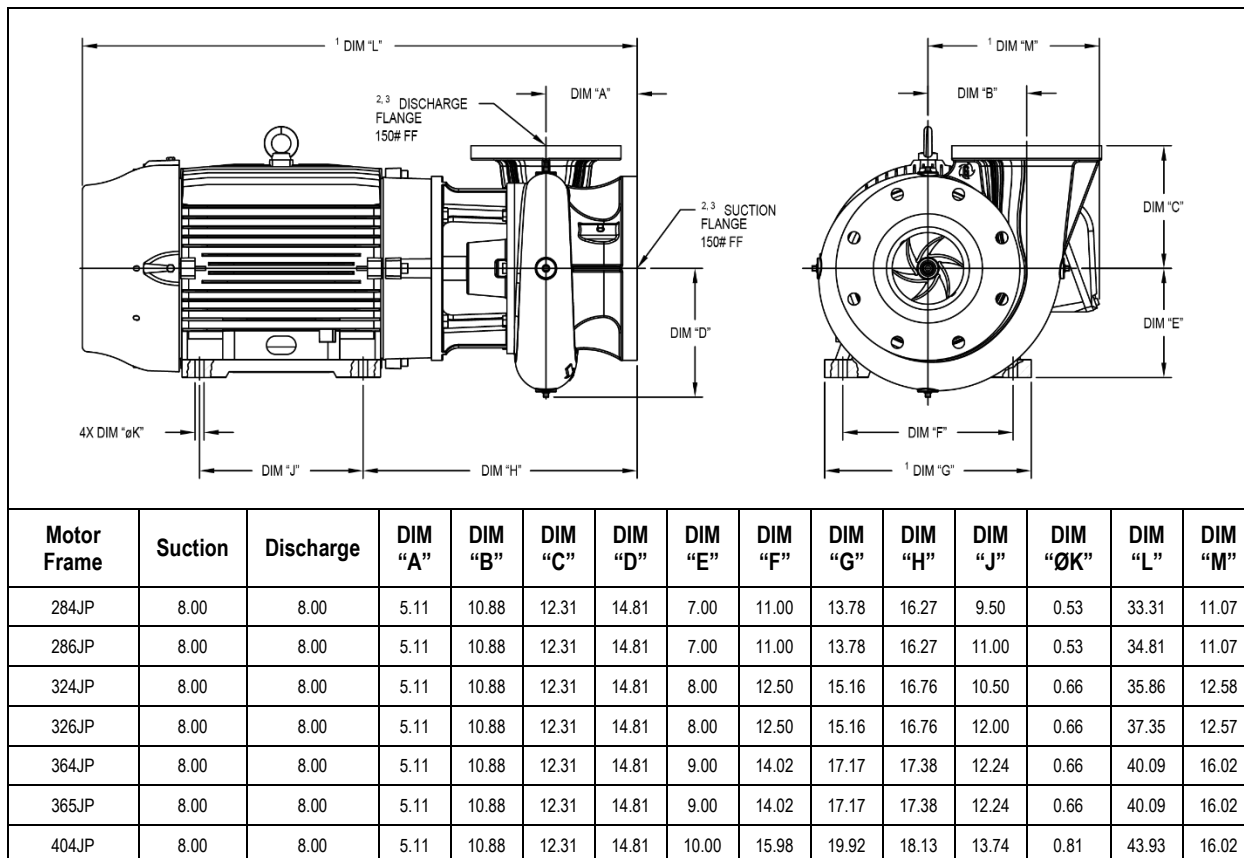


850 Series Model: 850CC/8X8-13/4P	PEI _{CL} 0.97	Impeller Diameter: 12.875 in.
850 Series Model: 850CC/8X8-13/6P	PEI _{CL} N/A	Impeller Diameter: 12.875 in.

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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

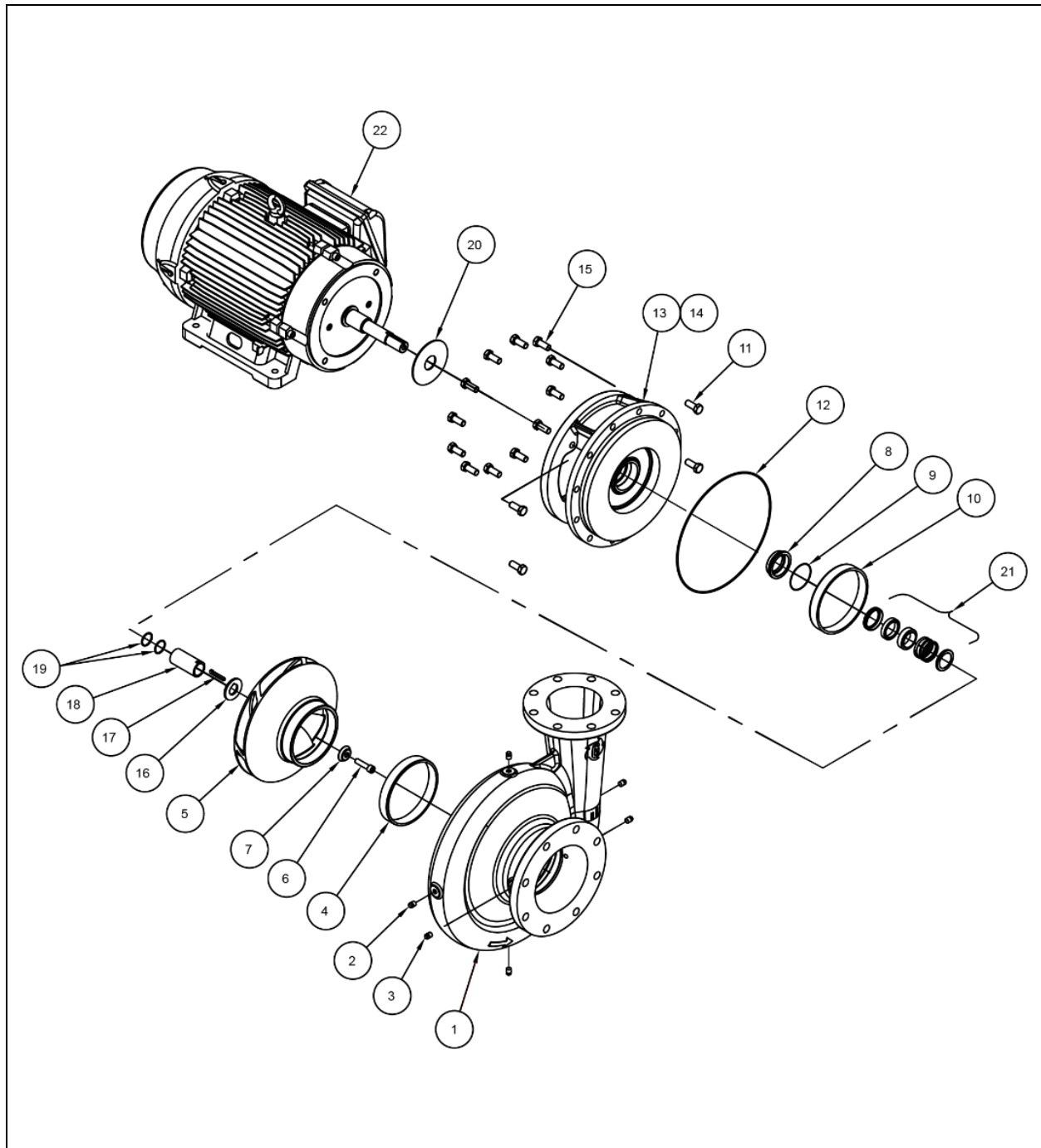
LG1841 REV. A

850 Series Model: 850CC/8X8-13/4P	PEI _{CL} 0.97	Impeller Diameter: 12.875 in.
850 Series Model: 850CC/8X8-13/6P	PEI _{CL} N/A	Impeller Diameter: 12.875 in.

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EXPLODED VIEW



LG1818 REV. A

850 Series Model: 850CC/8X8-13/4P	PEI _{CL} 0.97	Impeller Diameter: 12.875 in.
850 Series Model: 850CC/8X8-13/6P	PEI _{CL} N/A	Impeller Diameter: 12.875 in.

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PARTS LISTING

Compatible Motor Frame Family			284JP, 286JP 324JP, 326JP (JP3)	364JP, 365JP 404JP, 405JP (JP4)	Material of Construction
Item	Description	Qty.	P/N	P/N	
Case Kit					
1	Case Kit ^{1,3}	1	3078300K		Cast Iron, ASTM A48 Class 30
2	Case Plugs 1/4" MNPT	5	31005911		Steel
3	Case Plugs 1/2" MNPT				
4	Case Wear Ring	1	8065100		Bismuth Tin Bronze (Lead Free)
Impeller Kit					
5	Impeller, Only ⁴	1	5650400	5650600	Aluminum Bronze, ASTM B148
	Impeller, Kit ^{4,5}	1	5650400K	5650600K	Aluminum Bronze, ASTM B148
Back Pull Out Kit					
6	Impeller Bolt SHCS, 1/2-13 x 1.50 Lg	1	ALLEN50013X150U		Steel
7	Impeller Washer	1	14417610		300 Series Stainless Steel
8	Seal Adapter Kit ⁷	1	7102002K		300 Series Stainless Steel
9	Seal Adapter O-Ring	1	041B		Buna-N
10	Bracket Wear Ring				
11	Bracket/Motor Bolts HHCS, 5/8-11 x 1.25 Lg	4	S01C625A25WA2A4		Steel – Grade 5
12	Case/Bracket O-Ring -279 Buna	1	47027909		Buna-N
13	Bracket ^{2,3}	1	2790000K		Cast Iron, ASTM A48 Class 30
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	1	14034607	14040307	300 Series Stainless Steel
17	Impeller Key	1	22056006	14060800	Steel
18	Sleeve, Kit ⁶	1	8243600K	8263600K	Bismuth Tin Bronze (Lead Free)
19	Sleeve O-Ring -126 Buna	2	47012604		Buna-N
	Sleeve O-Ring -132 Buna	1		47013206	Buna-N
20	Deflector	1	22020507	22032205	Neoprene
21	Mechanical Seal	1	See Mechanical Seal List for P/N		
22	Motor	1	Contact Factory for P/N		

LG1830 REV. C

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

²Bracket Kit includes item 11, 14 and 20

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

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

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

⁶Sleeve Kit includes item 19

⁷Seal Adapter Kit includes item 9

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850 Series Model: 850CC/8X8-13/6P	PEI_{CL} N/A	Impeller Diameter: 12.875 in.

