

Model 4X3-10 & 4X3-10T – Close-Coupled Configuration

PERFORMANCE

850CC/4X3-10/4P

Max. Flow Rate: 367 gpm

Max. Head: 89 ft.

Max. Working Temperature: 120° F

Max. Working Pressure: 100 psi

Max. Rated Speed: 1800 RPM

Max. Particle Size: 0.58" Diameter

Hydrotest Pressure: 150 psi

850CC/4X3-10T/2P

Max. Flow Rate: 670 gpm

Max. Head: 305 ft.

Max. Working Temperature: 120° F

Max. Working Pressure: 175 psi

Max. Rated Speed: 3600 RPM

Max. Particle Size: 0.6" Diameter

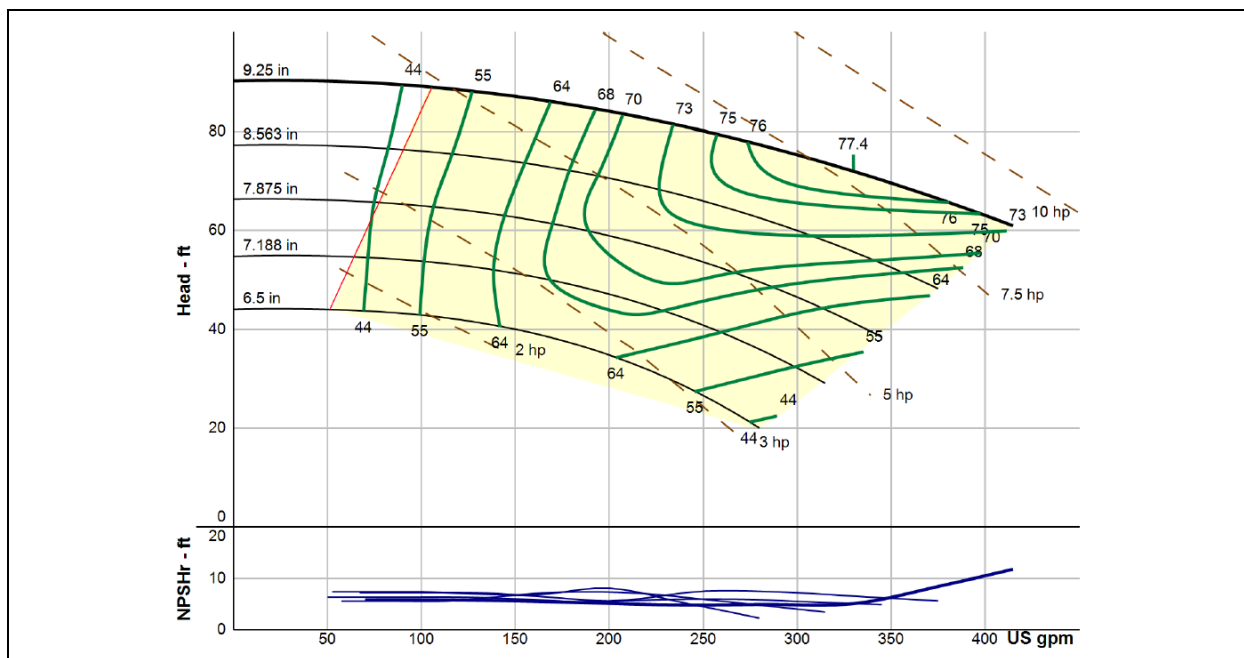
Hydrotest Pressure: 263 psi

850 Series Model: 850CC/4X3-10/4P	PEI _{CL} 0.94	Impeller Diameter: 9.250 in.
850 Series Model: 850CC/4X3-10T/2P	PEI _{CL} 0.97	Impeller Diameter: 8.700 in.

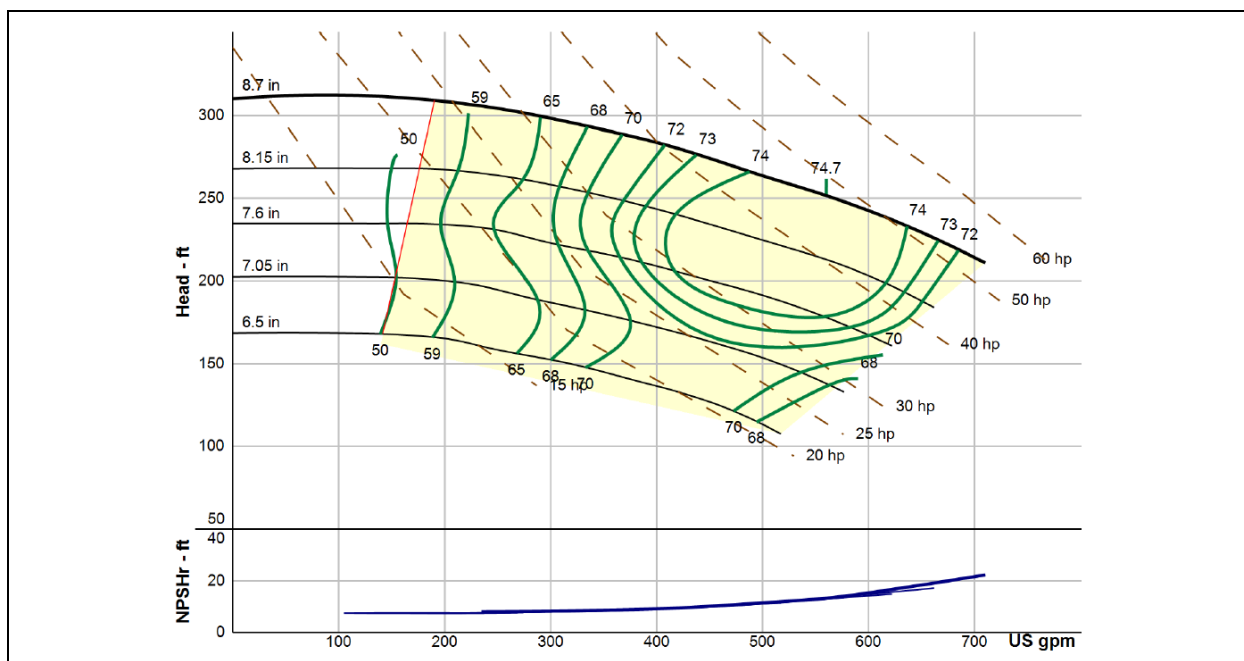
850 SERIES – Model 4X3-10 & 4X3-10T



PERFORMANCE CURVE – 850CC/4X3-10/4P, 1750 RPM



PERFORMANCE CURVE – 850CC/4X3-10T/2P, 3450 RPM

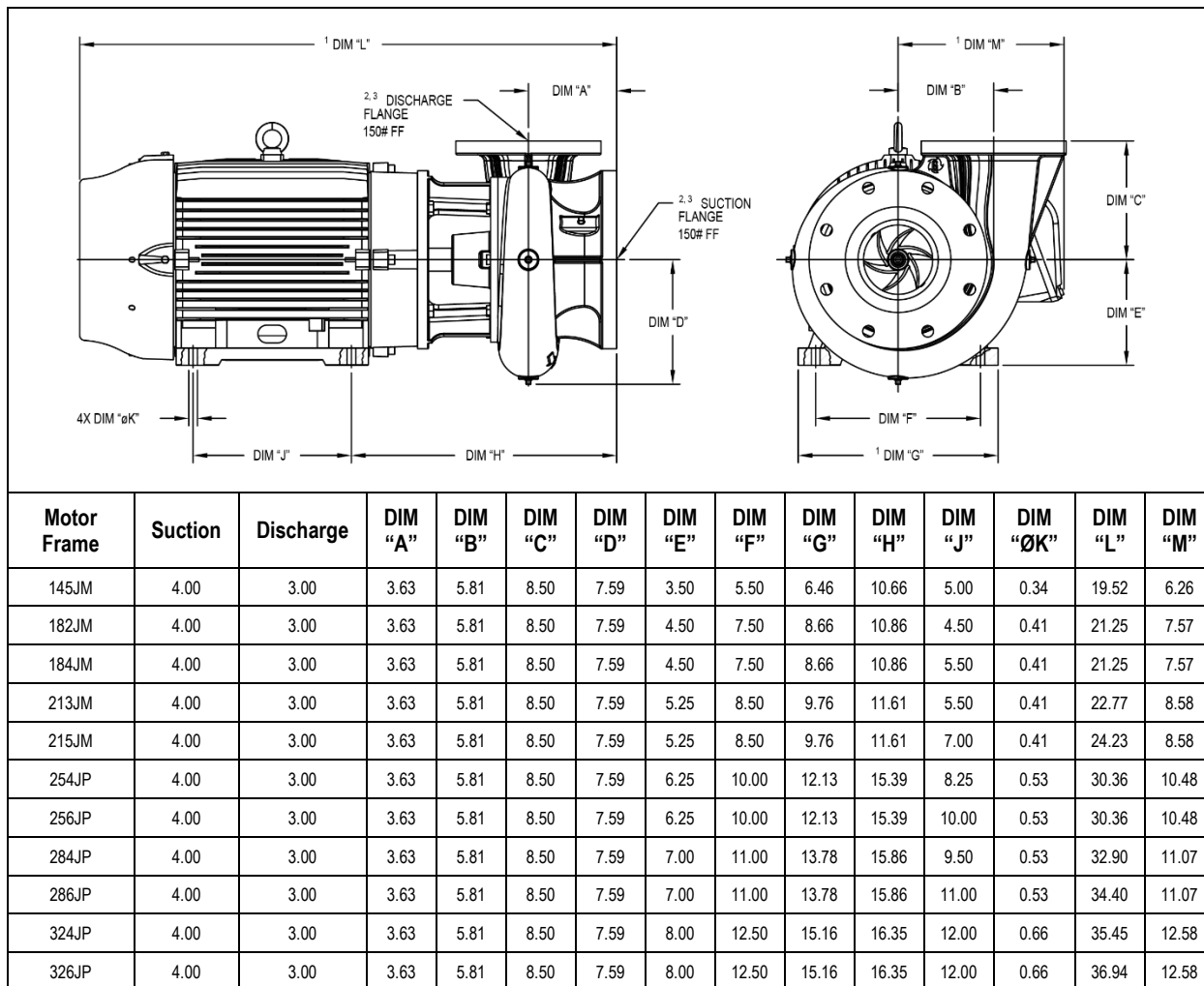


850 Series Model: 850CC/4X3-10/4P	PEI _{CL} 0.94	Impeller Diameter: 9.250 in.
850 Series Model: 850CC/4X3-10T/2P	PEI _{CL} 0.97	Impeller Diameter: 8.700 in.

850 SERIES – Model 4X3-10 & 4X3-10T



DIMENSIONS (INCHES)



¹Dimension may vary with motor model and manufacturer

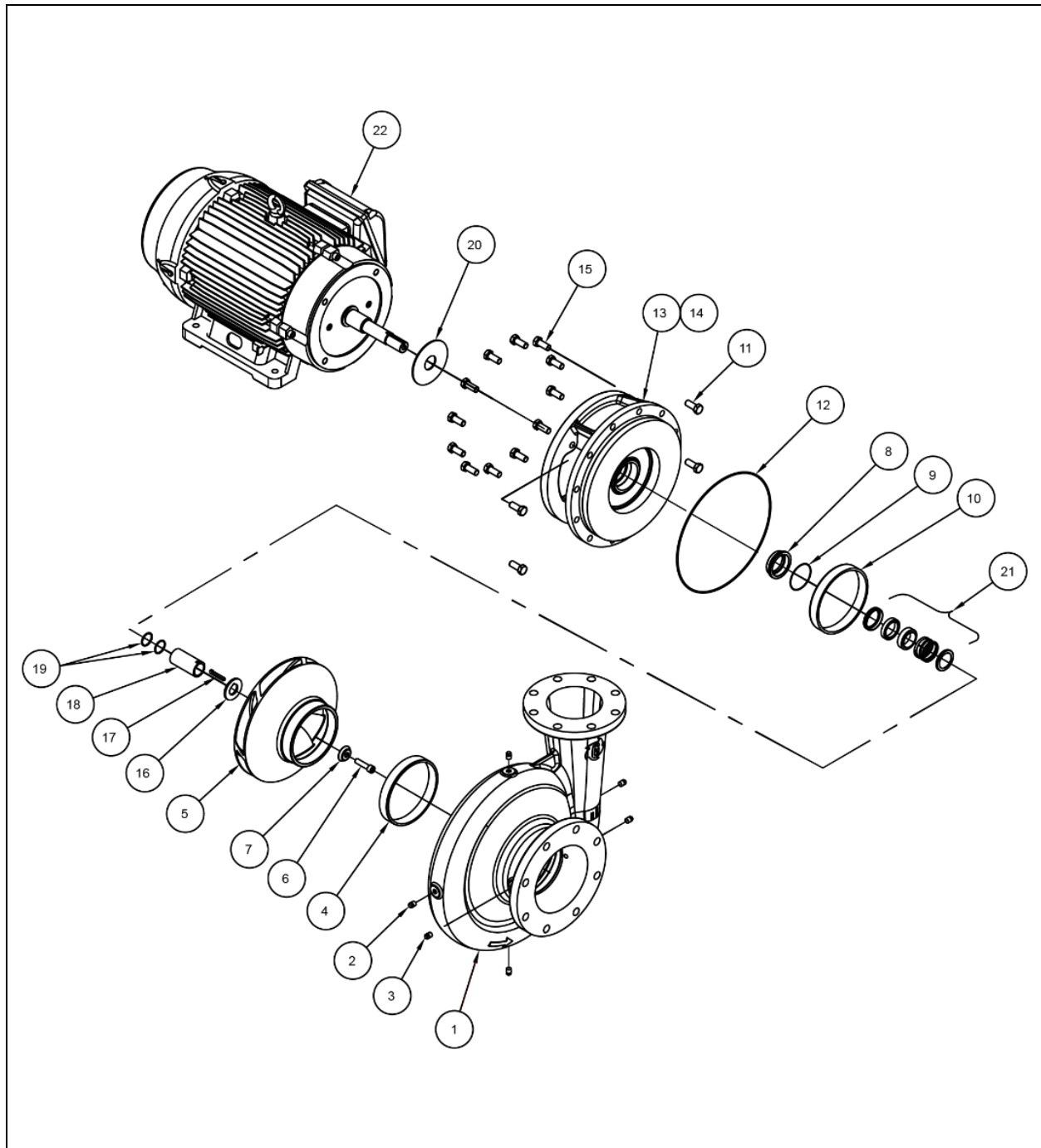
²150# Flange is dimensionally identical to a 125# Flange

³Bolt holes straddle pump centerlines

LG1835 REV. A

850 Series Model: 850CC/4X3-10/4P	PEI _{CL} 0.94	Impeller Diameter: 9.250 in.
850 Series Model: 850CC/4X3-10T/2P	PEI _{CL} 0.97	Impeller Diameter: 8.700 in.

EXPLODED VIEW



LG1818 REV. A

850 Series Model: 850CC/4X3-10/4P	PEI _{CL} 0.94	Impeller Diameter: 9.250 in.
850 Series Model: 850CC/4X3-10T/2P	PEI _{CL} 0.97	Impeller Diameter: 8.700 in.

850 SERIES – Model 4X3-10 & 4X3-10T



PARTS LISTING

Compatible Motor Frame Family			4x3-10		4x3-10T		Material of Construction
			143JM, 145JM 182JM, 184JM (JM1)	213JM, 215JM (JM2)	213JP, 215JP 254JP, 256JP (JP2)	284JP, 286JP 324JP, 326JP (JP3)	
Item	Description	Qty.	P/N	P/N	P/N	P/N	
Case Kit							
1	Case Kit ^{1,3}	1	3078508K				Cast Iron, ASTM A48 Class 30
2	Case Plugs 1/4" MNPT	3	31005911				Steel
3	Case Plugs 1/2" MNPT	3	31006117				Steel
4	Case Wear Ring	1	8025100				Bismuth Tin Bronze (Lead Free)
Impeller Kit							
5	Impeller, Only ⁴	1	5250200		5255400		Aluminum Bronze, ASTM B148
	Impeller, Kit ^{4,5}	1	5250200K		5255400K		Aluminum Bronze, ASTM B148
Back Pull Out Kit							
6	Impeller Bolt SHCS, 3/8-16 x 2.00 Lg	1	ALLEN37516X200U				Steel
	Impeller Bolt SHCS, 1/2-13 x 1.25 Lg	1			ALLEN50013X125U		Steel
7	Impeller Washer	1	14412209		14412308		300 Series Stainless Steel
8	Seal Adapter Kit ⁷						
9	Seal Adapter O-Ring						
10	Bracket Wear Ring	1			8025100		Bismuth Tin Bronze (Lead Free)
11	Bracket/Motor Bolts HHCS, 3/8-16 x .88 Lg	4	14129324				Steel – Grade 5
	Bracket/Motor Bolts HHCS, 1/2-13 x 1.00 Lg	4		14178701			Steel – Grade 5
	Bracket/Motor Bolts HHCS, 1/2-13 x 1.25 Lg	4			14133003		Steel – Grade 5
	Bracket/Motor Bolts HHCS, 5/8-11 x 1.50 Lg	4				14135008	Steel – Grade 5
12	Case/Bracket O-Ring -273 Buna	1	47027404				Buna-N
13	Bracket ^{2,3}	1	2159408K	2119907K	2374800K	2384800K	Cast Iron, ASTM A48 Class 30
14	Bracket Plug 1/2" MNPT	1		31006117			Steel
15	Case/Bracket Bolts HHCS, 1/2-13 x 1.00 Lg	8	14178701				Steel – Grade 5
16	Impeller Spacer	1			14034607		300 Series Stainless Steel
17	Impeller Key	1	14412407		22056006		Steel
18	Sleeve, Kit ⁶	1	8222400K		8243600K		Bismuth Tin Bronze (Lead Free)
19	Sleeve O-Ring -022 Buna	2	47002209				Buna-N
	Sleeve O-Ring -126 Buna	2			47012604		Buna-N
20	Deflector	1	22020408		22020507		Neoprene
21	Mechanical Seal	1	See mechanical seal list for P/N				
22	Motor	1	Contact factory for P/N				

LG1824 REV. B

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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