

850 SERIES – Model 6X5-14T



Model 6X5-14T – Frame-Mounted Configuration

PERFORMANCE

850FM/6X5-14T/4P

Max. Flow Rate: 1,078 gpm

Max. Head: 192 ft.

Max. Working Temperature: 120° F

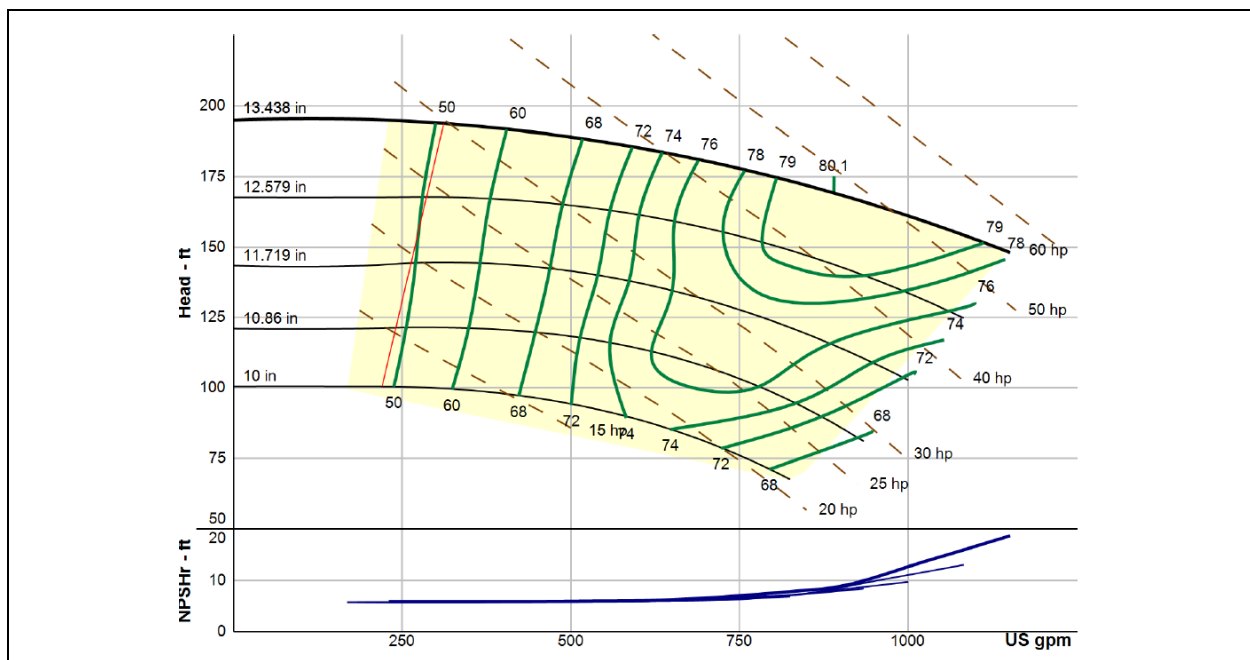
Max. Working Pressure: 150 psi

Max. Rated Speed: 1800 RPM

Max. Particle Size: 0.9" Diameter

Hydrotest Pressure: 225 psi

PERFORMANCE CURVE – 850FM/6X5-14T/4P, 1750 RPM



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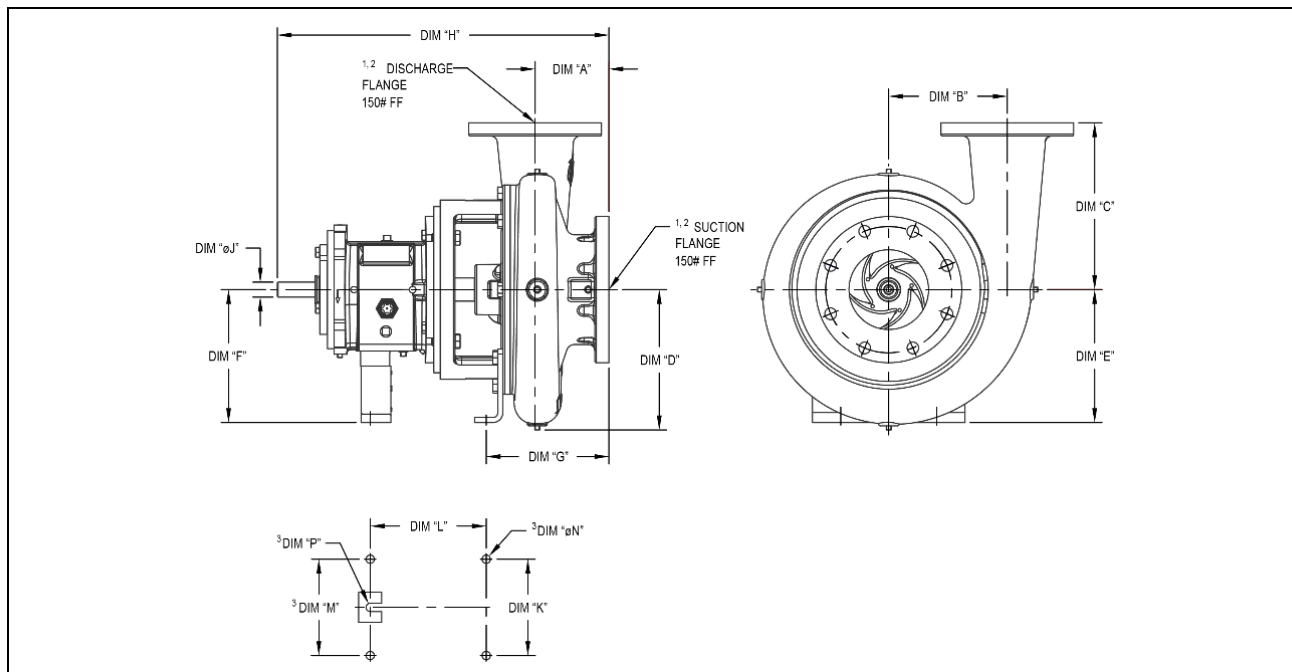
PEI_{CL} 0.96

Impeller Diameter: 13.438 in.

850 SERIES – Model 6X5-14T



DIMENSIONS (INCHES)



Motor Frame	Suction	Discharge	DIM "A"	DIM "B"	DIM "C"	DIM "D"	DIM "E"	DIM "F"	DIM "G"	DIM "H"	Dim "øJ"	DIM "K"	DIM "L"	DIM "M"	Dim "N"	DIM "P"
PFM	6.00	5.00	5.56	8.94	12.56	10.56	10.00	10.00	9.25	25.00	1.13	7.25	8.75	7.25	0.63	N/A

¹150# Flange is dimensionally identical to a 125# Flange

²Bolt holes straddle pump centerlines

³Mounting bolt hold patterns vary with power frames used.

Pumps fitted with small power frames use 3 holes, while pumps fitted with medium or large power frames use 4 holes.

LG1847 REV. A

850 Series Model: 850FM/6X5-14T/4P

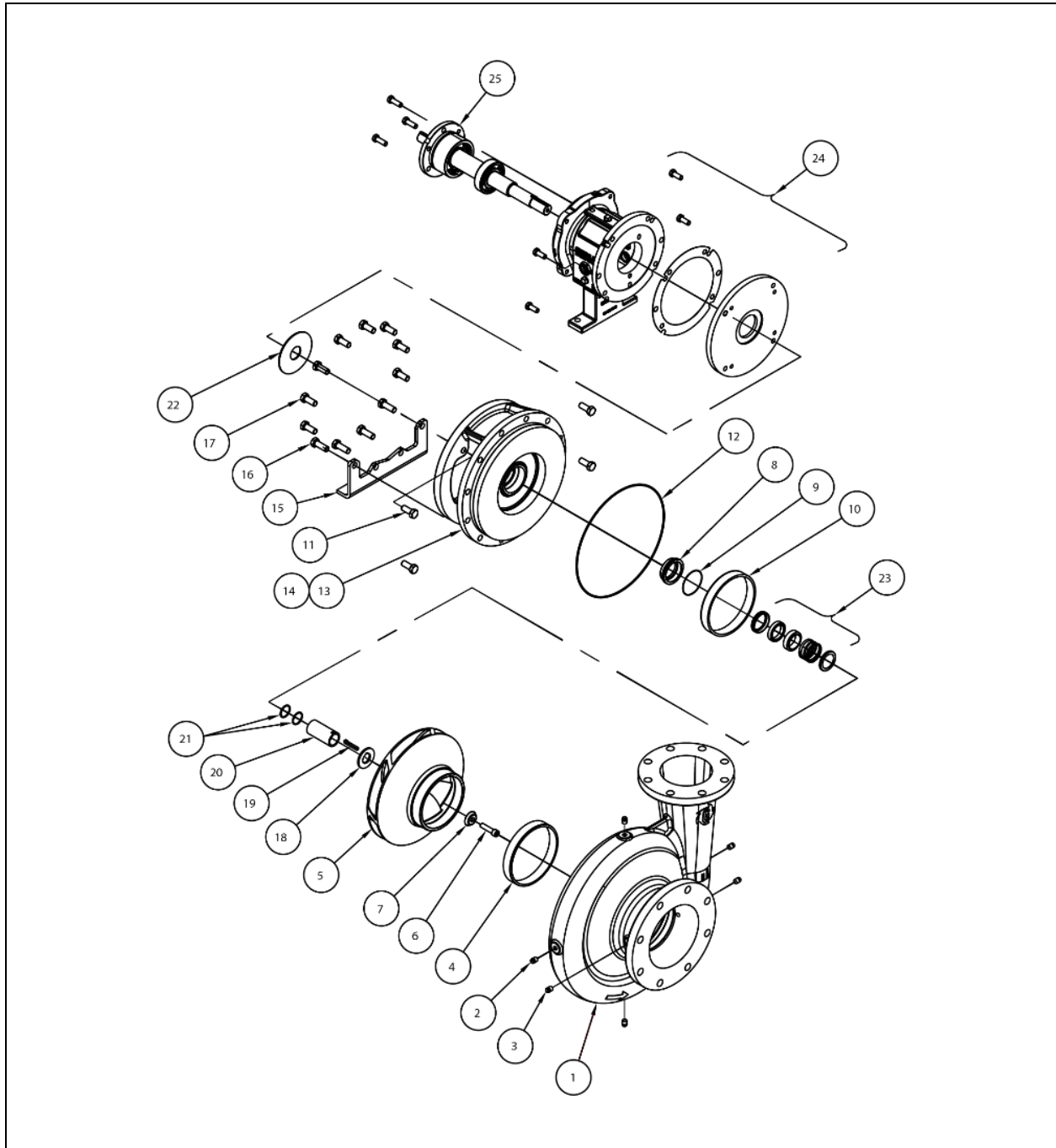
PEI_{CL} 0.96

Impeller Diameter: 13.438 in.

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EXPLODED VIEW



LG1819 REV. A

850 Series Model: 850FM/6X5-14T/4P

PEI_{CL} 0.96

Impeller Diameter: 13.438 in.

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PARTS LISTING

Compatible Frame Family			PFM (POWER FRAME MEDIUM)	Material of Construction
Item	Description	Qty.	P/N	
Case Kit				
1	Case Kit ^{1,3}	1	3500000K	Ductile Iron, ASTM A395
2	Pipe Plugs 1/4" MNPT	6	31005911	Steel
3	Pipe Plugs 1/2" MNPT			
4	Case Wear Ring	1	8050100	Bismuth Tin Bronze (Lead Free)
Impeller Kit				
5	Impeller, Only ⁴	1	5505400	Aluminum Bronze, ASTM B148
	Impeller, Kit ^{4,5}	1	5505400K	Aluminum Bronze, ASTM B148
Back Pull Out Kit				
6	Impeller Bolt SHCS, 1/2-13 x 1.50Lg	1	ALLEN50013X150U	Steel
7	Impeller Washer	1	14417604	300 Series Stainless Steel
8	Seal Adapter Kit ⁷			
9	Seal Adapter O-Ring			
10	Bracket Wear Ring	1	8050200	Bismuth Tin Bronze (Lead Free)
11	Bracket/Power Frame Bolts HHCS, 5/8-11 x 1.75 Lg	4	3861-72	Steel – Grade 5
12	Case/Bracket O-Ring -279 Buna	1	47027909	Buna-N
13	Bracket ^{2,3}	1	2886600K	Cast Iron, ASTM A395
14	Bracket Plug 1/2" MNPT	1	31006117	Steel
15	Foot, Bracket	1	2049612	Steel
16	Case/Bracket Bolts HHCS, 5/8-11 x 1.50 Lg	3	3861-36	Steel – Grade 5
17	Case/Bracket Bolts HHCS, 5/8-11 x 1.25 Lg	5	3861-167	Steel – Grade 5
18	Impeller Spacer			
19	Impeller Key	1	22056006	Steel
20	Sleeve, Kit ⁶	1	8243600K	Bismuth Tin Bronze (Lead Free)
21	Sleeve O-Ring -126 Buna	2	47012604	Buna-N
22	Deflector	1	22020507	Neoprene
23	Mechanical Seal	1	See mechanical seal list for P/N	
24	Assembly, Power Frame	1	PFMB-850-K	
25	Assembly, Rotating	1	24001-04-41A-RO	

LG1856 REV. B

¹Case Kit includes item 2, 3, 4, 12, and 17

²Bracket Kit includes item 11, 14 and 22

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, 18 and 19

⁶Sleeve Kit includes item 21

⁷Seal Adapter Kit includes item 9

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