

850 SERIES – Model 5X4-12T



Model 5X4-12T – Close-Coupled Configuration

PERFORMANCE

850CC/5X4-12T/4P

Max. Flow Rate: 545 gpm

Max. Head: 146 ft.

Max. Working Temperature: 250° F

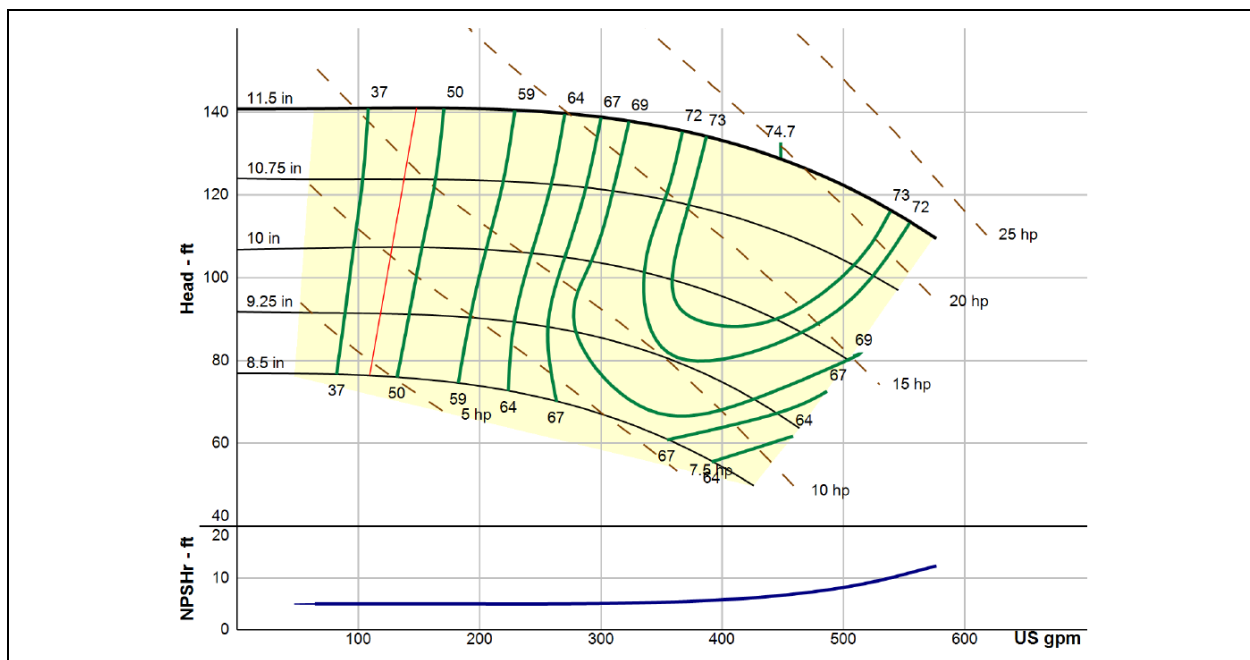
Max. Working Pressure: 175 psi

Max. Rated Speed: 1800 RPM

Max. Particle Size: 0.64" Diameter

Hydrotest Pressure: 263 psi

PERFORMANCE CURVE – 850CC/5X4-12T/4P, 1750 RPM



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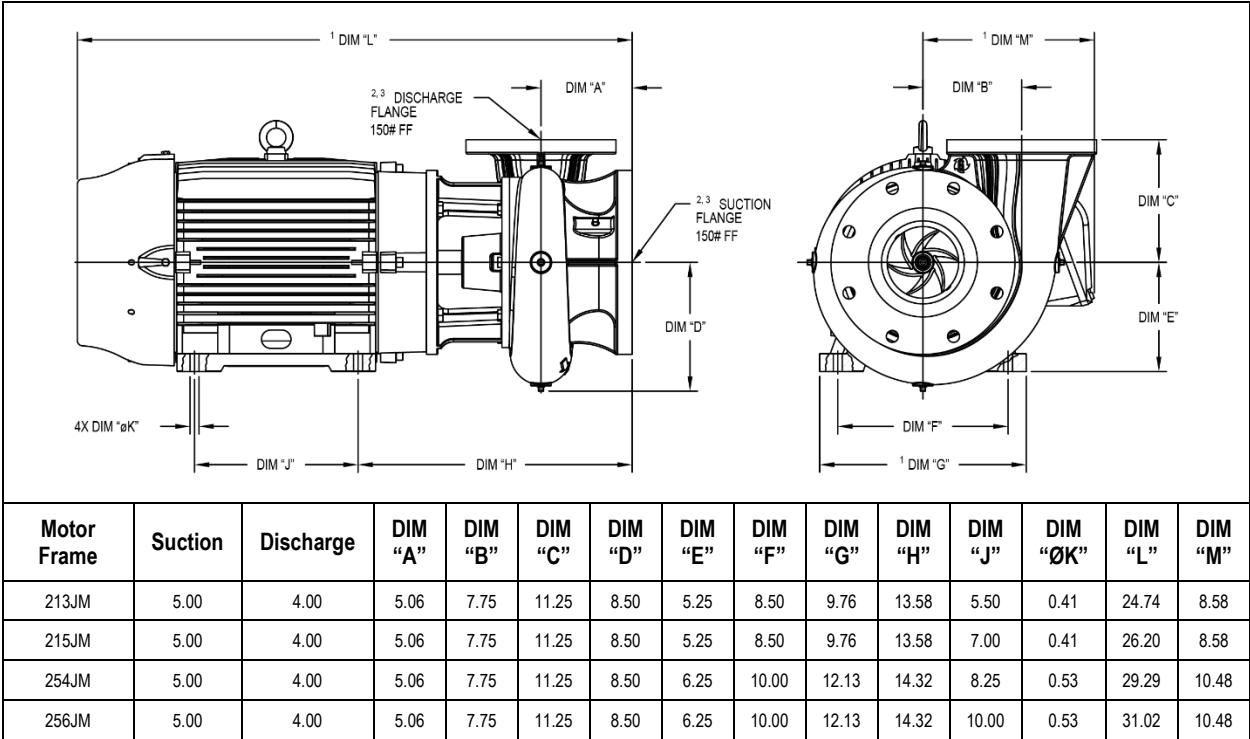
PEI_{CL} 0.99

Impeller Diameter: 11.500 in.

850 SERIES – Model 5X4-12T



DIMENSIONS (INCHES)



¹Dimension may vary with motor model and manufacturer

²150# Flange is dimensionally identical to a 125# Flange

³Bolt holes straddle pump centerlines

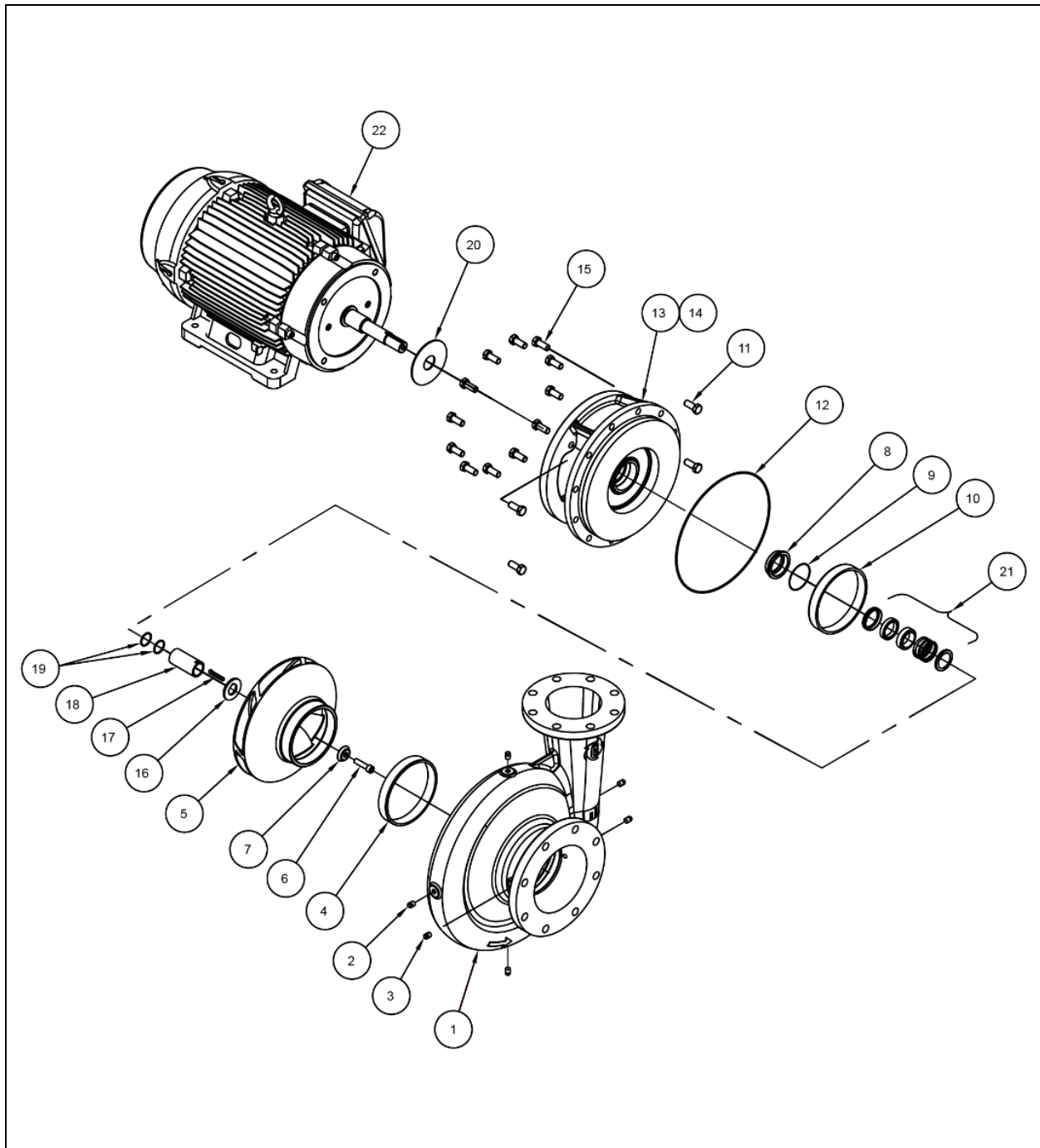
LG1836 REV. A

850 Series Model: 850CC/5X4-12T/4P	PEI _{CL} 0.99	Impeller Diameter: 11.500 in.
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850 SERIES – Model 5X4-12T



EXPLODED VIEW



LG1818 REV. A

850 Series Model: 850CC/5X4-12T/4P

PEI_{CL} 0.99

Impeller Diameter: 11.500 in.

850 SERIES – Model 5X4-12T



PARTS LISTING

Compatible Motor Frame Family			213JM, 215JM (JM2)	254JM, 256JM (JM3)	Material of Construction
Item	Description	Qty.	P/N	P/N	
Case Kit					
1	Case Kit ^{1,3}	1	3350000K		Ductile Iron, ASTM A395
2	Case Plugs 1/4" MNPT	6	31005911		Steel
3	Case Plugs 1/2" MNPT				
4	Case Wear Ring	1	8035100		Bismuth Tin Bronze (Lead Free)
Impeller Kit					
5	Impeller, Only ⁴	1	5355200	5355400	Aluminum Bronze, ASTM B148
	Impeller, Kit ^{4,5}	1	5355200K	5355400K	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 1.50 Lg	1		ALLEN50013X150U	Steel
7	Impeller Washer	1	14412209	14412308	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	1	8035100		Bismuth Tin Bronze (Lead Free)
11	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	8243000K	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	22020508	Neoprene
21	Mechanical Seal	1	See mechanical seal list for P/N		
22	Motor	1	Contact factory for P/N		

LG1825 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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PEI_{CL} 0.99

Impeller Diameter: 11.500 in.

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