

850 SERIES – Model 8X6-14T



Model 8X6-14T – Close-Coupled Configuration

PERFORMANCE

850CC/8X6-14T/4P

Max. Flow Rate: 1,978 gpm

Max. Head: 201 ft.

Max. Working Temperature: 250° F

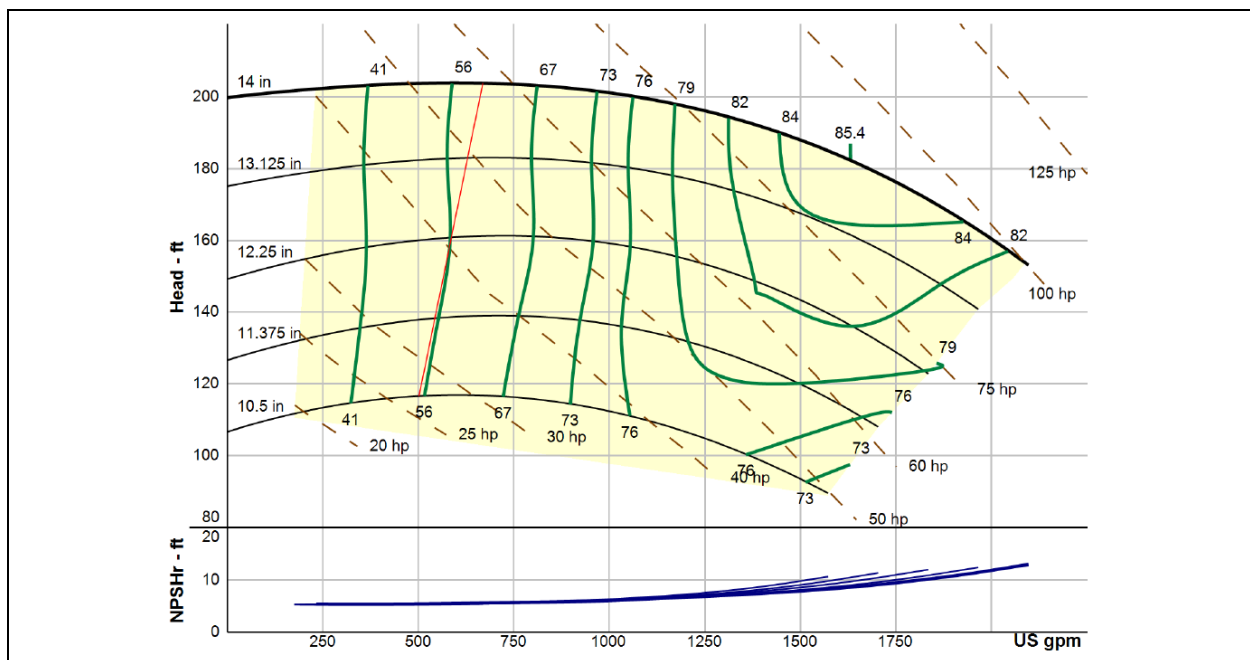
Max. Working Pressure: 175 psi

Max. Rated Speed: 1800 RPM

Max. Particle Size: 1.0" Diameter

Hydrotest Pressure: 263 psi

PERFORMANCE CURVE – 850CC/8X6-14T/4P, 1750 RPM



850 Series Model: 850CC/8X6-14T/4P

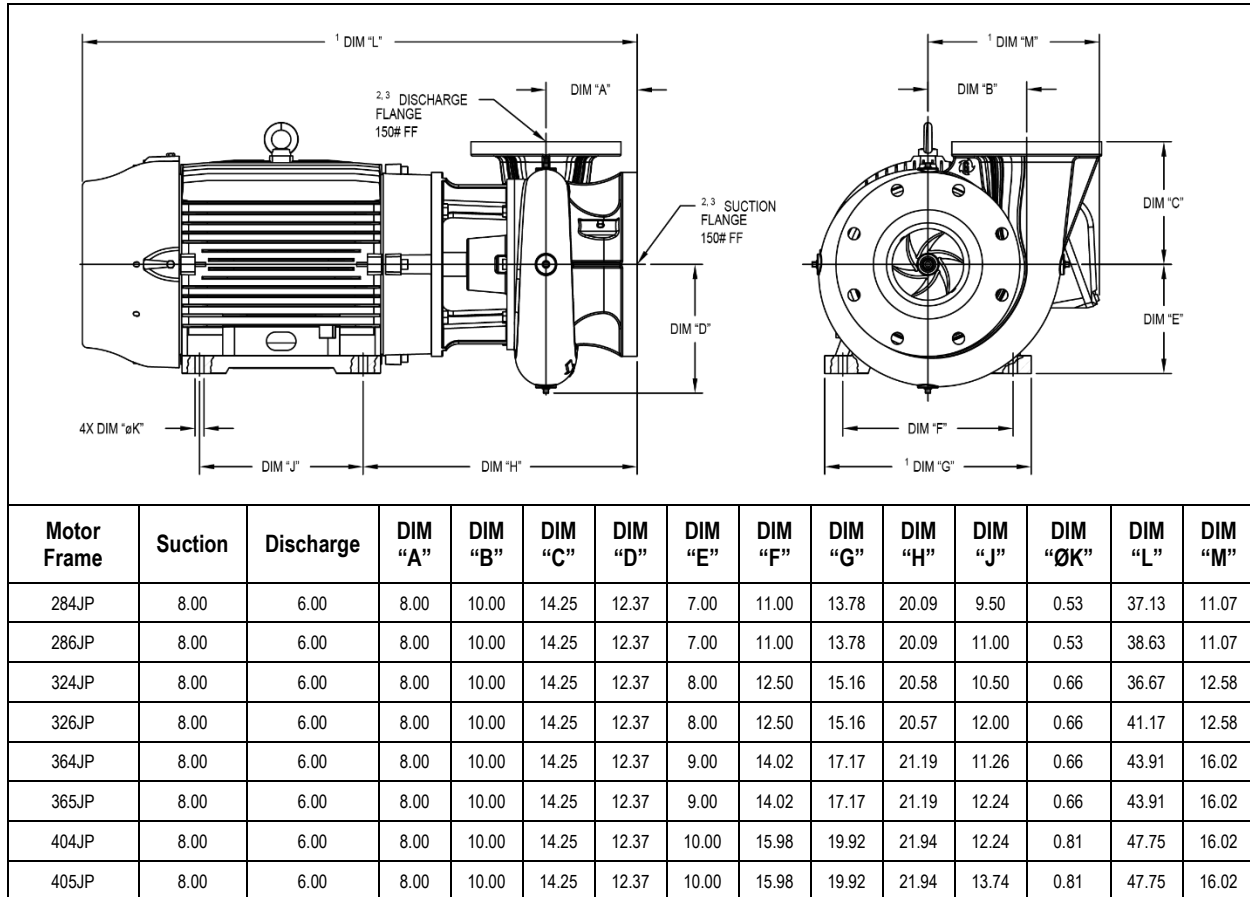
PEI_{CL} 0.95

Impeller Diameter: 14.000 in.

850 SERIES – Model 8X6-14T



DIMENSIONS (INCHES)



¹Dimension may vary with motor model and manufacturer

²150# Flange is dimensionally identical to a 125# Flange

³Bolt holes straddle pump centerlines

LG1839 REV. A

850 Series Model: 850CC/8X6-14T/4P

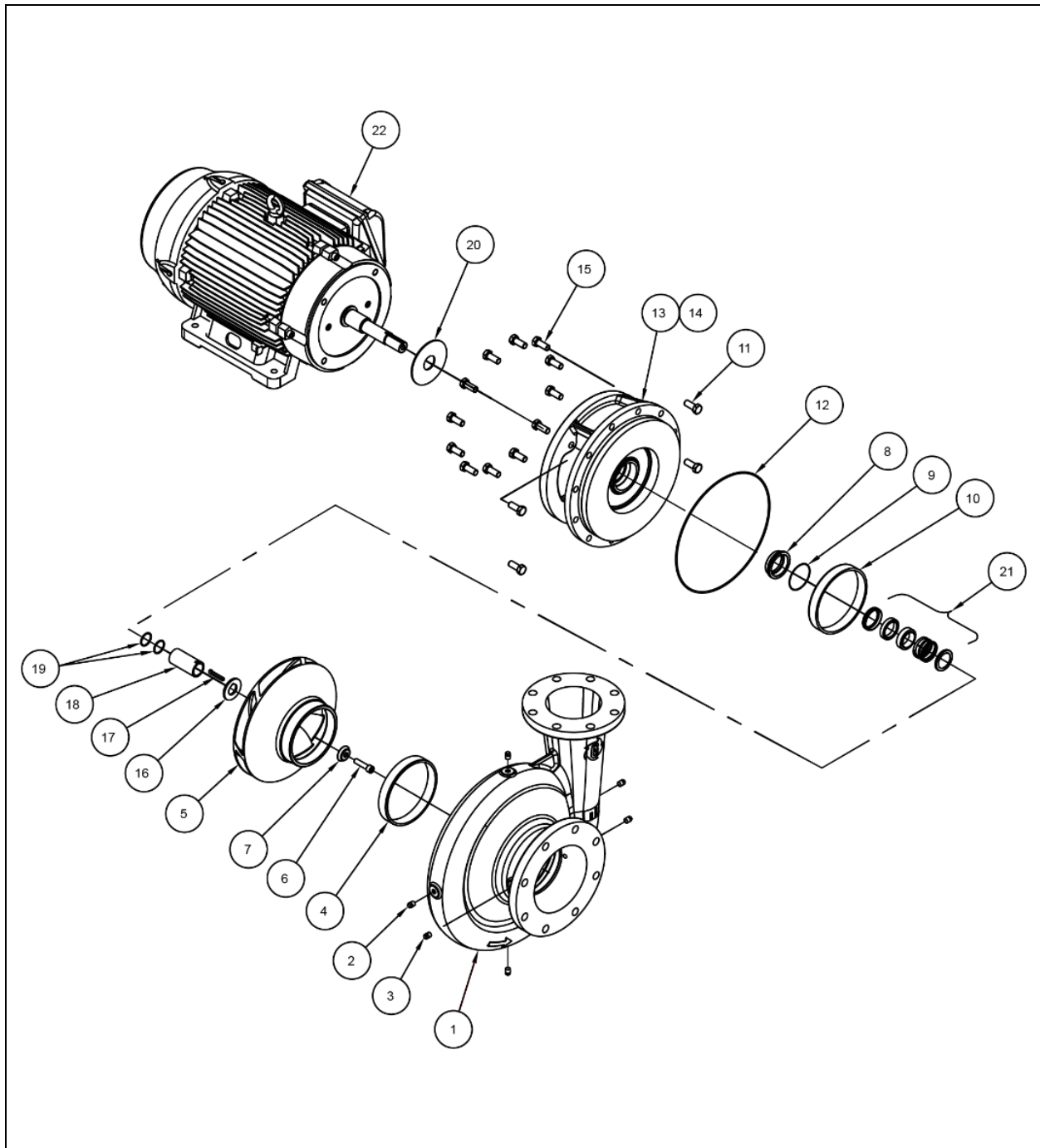
PEI_{CL} 0.95

Impeller Diameter: 14.000 in.

850 SERIES – Model 8X6-14T



EXPLODED VIEW



LG1818 REV. A

850 Series Model: 850CC/8X6-14T/4P

PEI_{CL} 0.95

Impeller Diameter: 14.000 in.

850 SERIES – Model 8X6-14T



PARTS LISTING

Compatible Motor Frame Family			254JP, 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	355000K		Ductile Iron, ASTM A395
2	Case Plugs 1/4" MNPT	6	31005911		Steel
3	Case Plugs 1/2" MNPT				
4	Case Wear Ring	1	8055100		Bismuth Tin Bronze (Lead Free)
Impeller Kit					
5	Impeller, Only ⁴	1	5555400	5555600	Aluminum Bronze, ASTM B148
	Impeller, Kit ^{4,5}	1	5555400K	5555600K	Aluminum Bronze, ASTM B148
Back Pull Out Kit					
6	Impeller Bolt SHCS, 1/2-13 x 2.00 Lg	1	ALLEN50013X200U		Steel
7	Impeller Washer	1	14417604	14417610	300 Series Stainless Steel
8	Seal Adapter ⁷	1	7102002K		300 Series Stainless Steel
9	Seal Adapter O-Ring -041 Buna	1	041B		Buna-N
10	Bracket Wear Ring	1	8055100		Aluminum Bronze, ASTM B148
11	Bracket/Motor Bolts HHCS, 5/8-11 x 1.50 Lg	4	14135008		Steel – Grade 5
12	Case/Bracket O-Ring -280 Buna	1	280B		Buna-N
13	Bracket ^{2,3}	1	2997800K		Ductile Iron, ASTM A395
14	Bracket Plug 1/2" MNPT				
15	Case/Bracket Bolts HHCS, 5/8-11 x 1.50 Lg	12	14135008		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		

LG1828 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

850 Series Model: 850CC/8X6-14T/4P

PEI_{CL} 0.95

Impeller Diameter: 14.000 in.

GRS-17110-T-01

PAGE 4 OF 4



Copyright 2019 PSG®, a Dover® Company.

PSG® reserves the right to modify the information and illustrations contained in this document without prior notice. This is a non-contractual document.