



LS PMM

Low Speed Permanent Magnet Motor

AILift designs and manufactures industry leading permanent magnet motors for use with progressing cavity pumps. Designed by an expert team with countless years of experience in the artificial lift industry, the LS PMM solves many of the production challenges faced by operators while nullifying several industry misconceptions around permanent magnet technology.

Standard VSD – Lower Lifting Cost – Increased Reliability

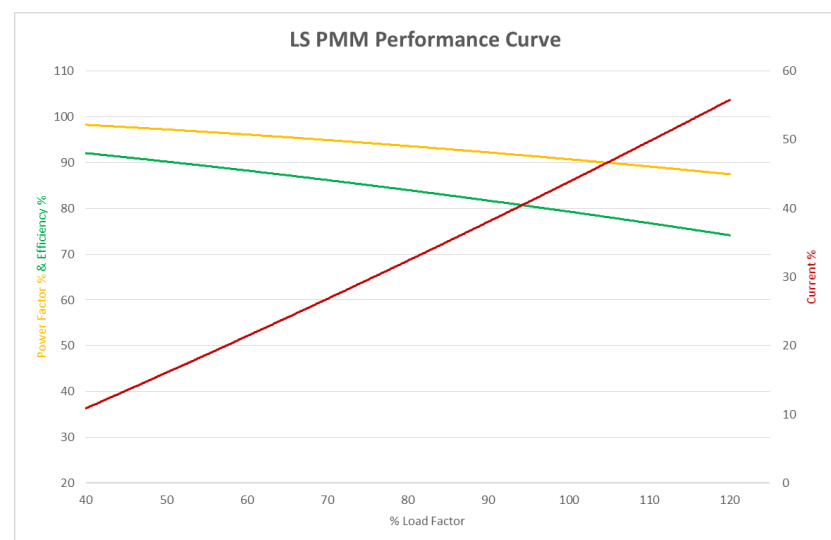
AILift’s mission is simple – deliver a robust permanent magnet motor at an economical price point that can reduce overall lifting cost to produce hydrocarbons. This objective was accomplished by creating the next generation low speed permanent magnet motor – the LS PMM. The LS PMM offers a constant torque rating across the speed range to enable full power regardless of rpm as well as the ability to use a conventional ESP downhole gauge. Additionally, the patented LS PMM establishes a new economic benchmark by eliminating the need for a special variable speed drive making it completely interchangeable with existing ESP surface equipment.

LS PMM Advantages

- Eliminate special VSD
- Reduce Power Costs
- High Start-Up Torque
- Increase Efficiency
- Increase Power Factor
- Reduce Operating Temp
- Eliminate Sucker Rods
- Lower Pump Set Depth
- Increase Production

LS PMM Features

- 16 Pole (60Hz = 450RPM)
- 50-500rpm (5-67Hz)
- 204C Rated
- 400 Series up to 42HP
- 0.87+ Power Factor
- 75+% Efficient
- Optional Corrosion Resistant
- Standard Bolt Pattern
- Standard ESP Gauge



LS PMM - 450 Series								
Power		Torque		Length		Weight		Voltage at 45 A
HP	kW	ft-lbs	N-M	ft	m	lbs	kg	
21	15.6	359	485	16.34	5.3	893	405	325
23	17.1	393	531	18.19	5.9	981	445	361
28	20.8	478	646	20.96	6.8	1160	526	433
32	23.8	546	738	23.74	7.7	1338	607	506
37	27.6	632	854	26.51	8.6	1517	688	578
42	31.5	717	969	29.60	9.6	1034	469	650

16 Pole Construction

204C Rated

Standard Offering: Carbon Steel Head, Base & Housing

Corrossion Resistant: Stainless Steel Head & Base, 9Cr1Mo Housing