

FEATURES

- Permanent magnets provide greater torque compared to an induction motor
- Full synchronous speed
- Greater power density
- Reduced heat generation
- Hybrid design provides transient torque dampening

BENEFITS

- Total efficiency gain of ~20% compared to induction motors resulting in up to 20% energy savings and lower operating costs
- Optimal system efficiency at wider operating range
- Improved durability due to transient load dampening by rotor bar elements
- Slim outer diameter allows operation in smaller casing sizes for increased drawdown and production
- Shorter motor has fewer issues with harsher doglegs and can be set deeper in the wellbore
- Increased runlife due to lower operating temperature
- Reduces greenhouse gas emissions by up to 70 metric tons of CO₂e per well per year*

ELECTRIC SUBMERSIBLE PUMP

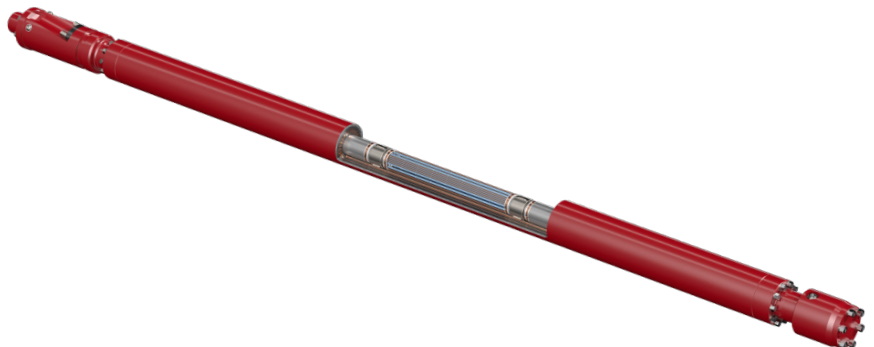
TrueSync™ a hybrid permanent magnet motor (PMM) is power redefined

Efficiency and innovation for ESP sustainability

Overview

As companies work to lower the carbon intensity of their operations, Summit ESP®, a Halliburton service is at the forefront of innovative solutions to support those efforts. One such advancement is the TrueSync™ hybrid PMM which not only achieves up to 20% energy savings compared to conventional induction motors but also can reduce carbon emissions by as much as 70 metric tons of CO₂e per well per year*.

Traditional PMMs have well-established efficiency benefits relative to induction motors but have challenges related to startup and control under extreme dynamic load conditions. The TrueSync hybrid PMM is a full synchronous motor that addresses these issues with rotor bar elements to mitigate the life-limiting impact of transient torque. The result is a harmonious blend of efficiency, enhanced stability and extended operational life, making TrueSync hybrid PMM a powerful choice for sustainable energy solutions.



A HALLIBURTON SERVICE

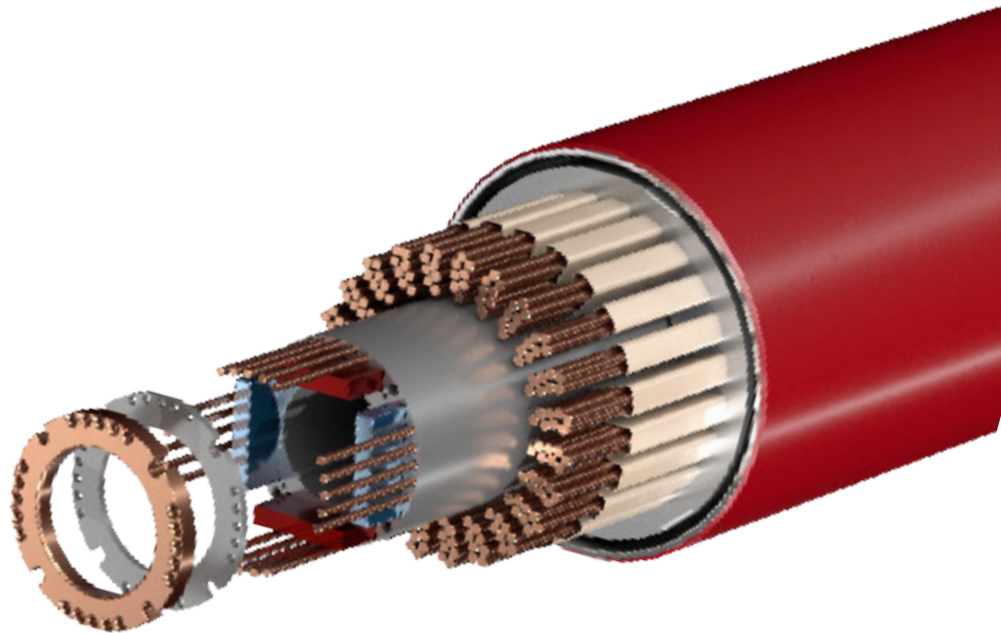
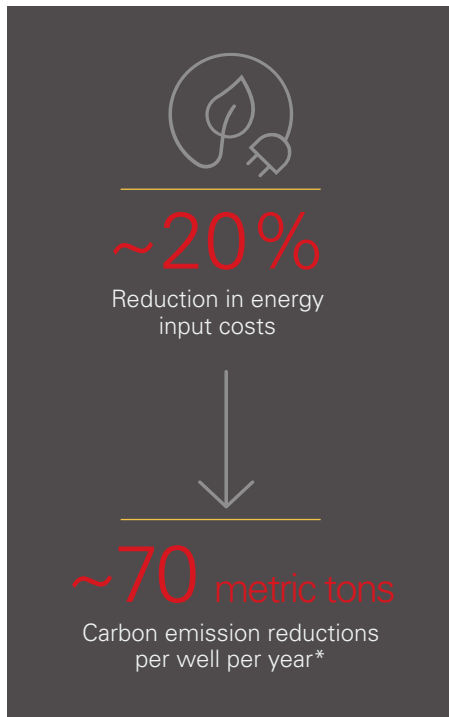
Exclusive R&D and manufacturing innovations

R&D

- Conceived and designed in the United Kingdom, with state-of-the-art electromagnetic analysis software
- TrueSync™ hybrid PMM has undergone rigorous testing and verification in Tulsa, Oklahoma, where the R&D headquarters of Summit ESP®, a Halliburton service is located
- Field tested in the Permian Basin of West Texas, U.S.
- Comprehensive performance testing performed with key variables measured and recorded to ensure optimal and precise sizing for every design
- Load scenario testing includes full load start-up to simulate stuck pump and transient load testing to model gas slugging

Manufacturing

- Multi-million dollar investment in a newly expanded 20,000 square-foot manufacturing facility with specialized tooling, benches, and testing capabilities
- TrueSync hybrid PMM is manufactured and assembled in the U.S.A. to ensure top-tier quality
- TrueSync hybrid PMM is manufactured in a controlled environment preventing foreign object debris from entering critical components during assembly or maintenance ensuring product integrity, safety, and reliability



**Based on ~360 hp hybrid PMM vs. IM, 365-day runlife, 0.352 kg of CO2 /kWh*

Enhanced optimization

SpyGlass™ pump sizing software allows for a precision tailored ESP system while our Intelevate® digital platform uses data science to optimize efficiency and sustainability.

Safety focus

Our rigorous safety protocols include comprehensive training for field service technicians to ensure they are fully equipped with the knowledge and skills required for each unique well’s service requirements.

Technical specifications

SERIES	100 HZ (3,000 RPM)			120 HZ (3,600 RPM)			LENGTH FT (M)	WEIGHT LB (KG)
	HP	VOLTS	AMPS	HP	VOLTS	AMPS		
400	100	1,305	43	120	1,565	43	9.9 (3.03)	360 (163)
400	200	2,292	49	240	2,750	49	18.0 (5.47)	665 (302)
400	300	2,834	60	360	3,400	60	24.6 (7.51)	920 (417)

SERIES	50 HZ (3,000 RPM)			60 HZ (3,600 RPM)			LENGTH FT (M)	WEIGHT LB (KG)
	HP	VOLTS	AMPS	HP	VOLTS	AMPS		
738	417	2,042	115	500	2,450	115	14.9 (4.5)	1,745 (792)
738	583	3,892	82	700	4,670	82	19.3 (5.9)	2,250 (1,021)
738	917	3,823	127	1,100	4,587	127	27.9 (8.5)	3,250 (1,474)
738	1,250	3,867	165	1,500	4,640	165	36.4 (11.1)	4,250 (1,928)

DESCRIPTION	VALUE/RANGE (UNITS)
Motor configuration	Single tandem
Minimum and maximum operating speed	1,800 - 4,500 rpm
Temperature rating	204 °C (400 °F)
Standard construction	Carbon steel
Optional construction	Stainless steel

For more information, contact your local Halliburton representative or visit us on the web at www.halliburton.com

Sales of Halliburton products and services will be in accord solely with the terms and conditions contained in the contract between Halliburton and the customer that is applicable to the sale.

H014739 6/26 © 2026 Halliburton. All Rights Reserved.