

IL200 SUBMERSIBLE INDUCTION MOTOR

Ensures reliable performance and extended run life for ESP system

APPLICATION

- The prime mover for electrical submersible pumps across a wide variety of applications and conditions

FEATURES & BENEFITS

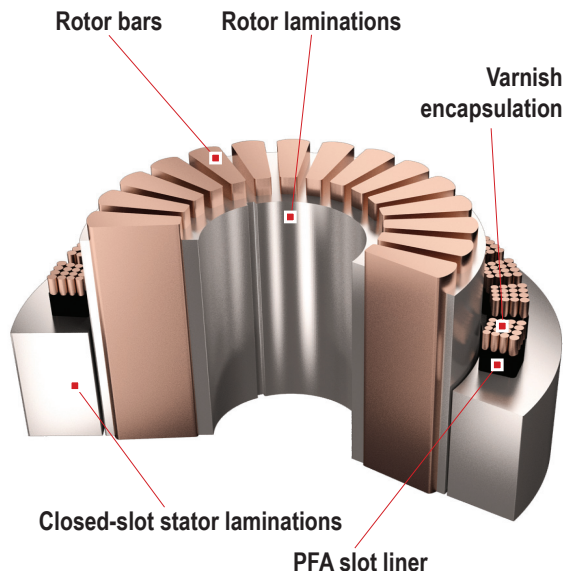
- Advanced oil filled motor design:
 - Provides high efficiency and power through the operating range with a motor winding temperature rating up to 392 °F (200 °C) for the increased run life
- In-house manufacturing to the highest standards and consistency along with the quality nickel copper alloy-trim fasteners, robust rotor bearings and closed slot design:
 - Improves overall system reliability
- Involute spline shaft:
 - Provides maximum torque capacity
- Compatibility with the Viewpoint downhole sensor:
 - Allows optimized production with downhole monitoring capabilities
- Multiple sizes and configurations from 25 to 1,520 HP using plug-in or tape-in pothead, variable horsepower and voltage ratings:
 - Extend application variety
- Locking rotor bearings in all steel stator
 - Eliminates rotor bearing spinning for enhanced reliability
- Brazed rotors
 - Optimum rotor conductivity
 - Improved efficiency for motor cooling
- Tandem section 728 motor capable of delivering 1,520 HP:
 - Provides high flow rate capabilities
- Manufactured at Borets facility with ISO 9001 and ISO 14001:2004 / OSHAS 18001:2007
 - Control in quality and cost
 - Rapid prototype for future designs all by Borets
 - Proprietary materials, design and processes
- ISO 9000 In house magnet wire manufacture
 - Ensures insulation integrated and a high quality standard

Borets motors have been designed to achieve maximum reliability through an innovative design and rigorous performance testing in our Research & Technology Center. Proven results are the reason why globally Borets has more motors installed than any other vendor. These motors can be used in 4.5" casing and larger and range from 25 to over 1,520 horsepower for the most demanding applications.

The Borets IL200 submersible induction motor is a hand-wound, two-pole, three-phase design that operates at a full-load speed of 2,900 rpm at 50 Hz or 3,500 rpm at 60 Hz. High performance stator laminations and rotors improve efficiency ratings to reduce electrical losses and lower operating expenses.

A high temperature rating of 392 °F (200 °C) is based on a closed slot design with enhanced polyimide magnet wire insulation. The motor is filled with highly refined dielectric oil that provides bearing lubrication and thermal conductivity and fitted with involute spline shafts to provide maximum torque capacity.

Borets motors are compatible with Viewpoint downhole sensor for real-time monitoring of ESP and reservoir parameters.



IL200 MOTOR DATA

MOTOR SERIES	375	456	562	728
Casing, in.	4 1/2	5 1/2	7.0	8 5/8
Power Range, HP@60Hz				
Single Section	25 - 80	20 - 200	60 - 500	80 - 760
Tandem	50 - 240	220 - 400	300 - 1,000	800 - 1,520
Power Range, HP@50Hz				
Single Section	21 - 67	17 - 167	50 - 417	67 - 633
Tandem	42 - 200	183 - 375	250 - 833	667 - 1,267
Max Winding Temperature, °F (°C)	392 (200)			
Pothead	Plug-in	Plug-in or Tape-in		Plug-in
Compatible Sensors	ViewPoint			

IL200 POWER RANGE

