

SPECIFICATIONS

General

- Variable speed models are available in variable lengths only.
- Check valve: 70mm diameter fluorocarbon seal constructed with cast aluminum body and steel backing washer.
- Pressure relief valve: available in four pressure relief settings, integral to check valve. Standard model relieves at 2.8 bar and resets above 2.4 bar.
- Syphon: venturi-type syphon primer supplied with every submersible. Syphon check valve and secondary syphon sold separately.
- Air eliminator: every submersible includes a tank return path with one-way check valve to provide active air elimination.
- Electrical disconnect: electrical yoke for positive contractor disconnect during service.

Pump Motor

- 4 Hp, variable speed, two-stage centrifugal type pump motor with integral, automatic, thermal overload protection.
- Max. pressure: selectable operating pressure on EcoVFC™ between 1.65 bar and 2.90 bar deadhead.
- Available with MagShell® which results in 45% increased flow area around motor.

Approvals

- cULus listed.
- Consult factory for applicable approvals.

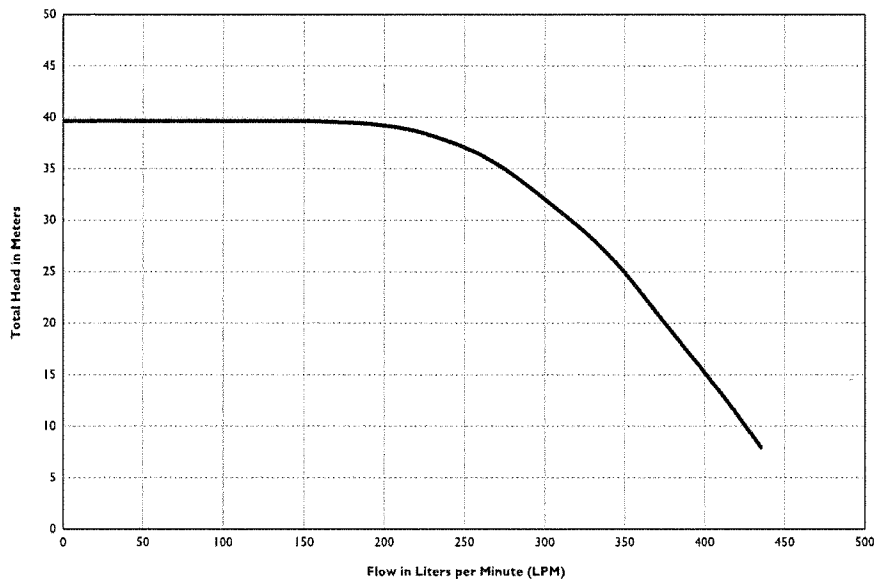
Power Requirements

- Variable speed pumps can only be controlled by a MagVFC™ or EcoVFC™ variable frequency controller.
- VS4 models require three-phase incoming power supply to the EcoVFC™ for proper operation.
- Incoming power supply to the EcoVFC™ must be 360-440 VAC, 50 Hz.
- EcoVFC™ outputs a three-phase, variable frequency signal, valid for FE PETRO® variable speed pumps only.
- EcoVFC™ max. line draw: 20 Amps.
- Max motor draw: 15 Amps.

Liquid Compatibility

- Max. liquid viscosity: 70 SSU at 60 °F (15 °C).
- STP variable speed models are UL listed for fuel mixtures containing up to 10% ethanol, and 20% MTBE, 20% ETBE or 17% TAME with gasoline.
- IST/ISTAP variable speed models are UL and cUL listed for fuel mixtures containing diesel fuel with up to 20% Biodiesel, 100% Biodiesel, up to 85% ethanol with gasoline, and 20% MTBE, 20% ETBE or 17% TAME with gasoline.
- All variable speed models can also be used with diesel fuels, fuel oils, kerosene, Avgas and jet fuels in a non-gelled pourable state.
- All wetted elastomers are made of a high grade, fluorocarbon compound.

4 Hp Variable Speed Pump Performance Chart



Note: Performance based on pumping gasoline (0.75 specific gravity). Pressure is taken at the manifold discharge outlet. IST/VS4 and STP/VS4 submersibles can only be powered by a MagVFC with three phase incoming power.