



Vertical Split-Coupled Inline Pump

VLS

The VLS vertical split-coupled, inline pump has proven to be extremely versatile, often exceeding the requirements for a variety of market applications, such as chilled water, condenser water, and

hot water systems. Once fitted with a speed-control system, the VLS significantly cuts energy use and provides a pump payback in as little as one to two years.

Key Features and Benefits

- Vertical configuration saves floor space and reduces piping
- Axially split coupling enhances ease of service and alignment
- Spacer coupling allows rapid mechanical seal access without motor removal for service friendly design
- Double volute design extends seal and bearing life, minimizes noise and vibration, and improves operating efficiency
- No inertia base required
- Vertical shaft configuration promotes longer seal and bearing life
- No coupling alignment or bearing frame assembly needed
- Equal size suction and discharge pipes eliminate need for reducers or other fittings
- Heavy duty cast and machined motor bracket creates rigid and reliable mounting surface with easy alignment
- Case wear rings reduce maintenance costs and maintain high efficiency
- Shaft sleeves extend life of shaft and usable life of pump
- Suction baffle creates a smooth, quiet pump operation
- No flexible connectors or foundation grouting needed
- Mounts like a valve for quick installation
- Francis Vane impeller design increases efficiency and reduces net positive suction head required
- Broad range of industry-standard TC motors are stocked by motor manufacturers

Applications

- Chilled water
- Condensed water
- Hot water
- Service water
- District cooling/heating systems
- Boiler/hydronic heating
- Air conditioning
- Cooling towers

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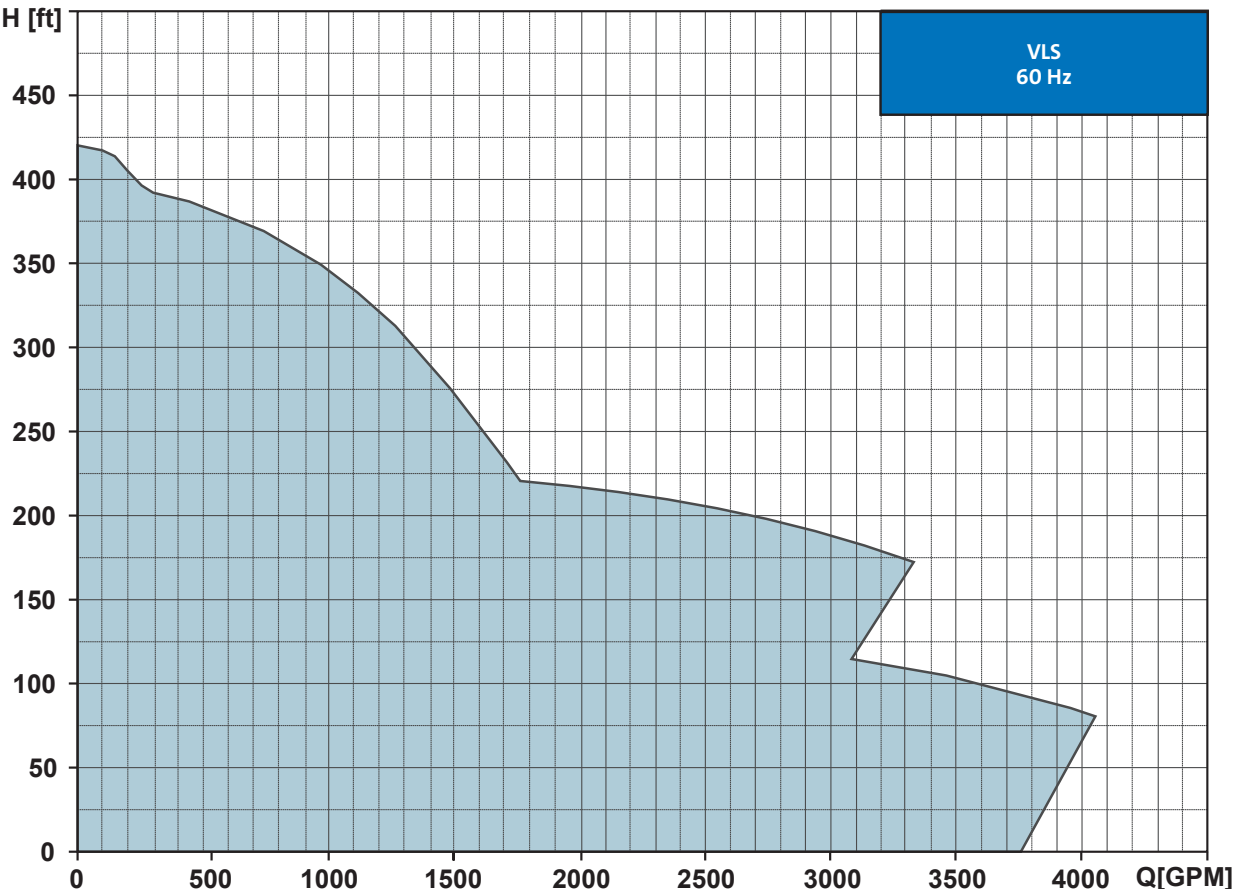
Possibility in every drop

Technical Data

VLS with TC motor	
Flow, Q:	max. 4100 gpm
Head, H:	max. 420 ft
Fluid Temperature:	10°F to 275°F
Working Pressure:	max. 175 psi*
HP range:	max. 125 hp
Speed:	3600, 1800, and 1200 rpm
Discharge / Suction sizes:	1.25 to 10 in

* 250 psi rating available

Performance Data



Visit grundfos.us/pei to learn more about Department of Energy (DOE) pump energy index (PEI) requirements and PEI ratings on specific Grundfos models.