Inline Split Coupled Variable Speed Pumps

GRUNDFOS VLSE/VLSC

The Grundfos VLSE and VLSC, inline, split coupled, variable speed pumps are engineered to increase efficiency and reduce radial loads. These offerings deliver a highly efficient solution while saving on installation costs.

VLSE Models

The VLSE incorporate all essential components into one product and features a VLS pump, MLE motor and integrated variable frequency drive and control, all made by one supplier. The innovative solution cuts planning, purchasing, installation and commissioning costs.

VLSC Models

The VLSC features a VLS pump with a Grundfos CUE variable frequency drive and control, all made by one supplier.

Key Features and Benefits

- Plug-and-pump solution speeds installation, commissioning and startup due to integrated components
- Provides seamless integration with Grundfos MLE integrated motor, drive and control for an all-in-one solution (VLSE)
- Features proportional pressure via Grundfos sensor technology (VLSE)
- Predefined settings and control modes on the CUE drive including easy start-up guide (VLSC)
- Isolation pads between the motor and CUE mounting plate to absorb vibration and heat transfer (VLSC)
- 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 NPSH required
- Saves energy, optimizes efficiency and lowers operating cost
- Grundfos GO lets you use your smart phone to access interface, regardless of pump location
- Single source responsibility ensures one manufacturer for pump, motor, drive and control

APPLICATIONS

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

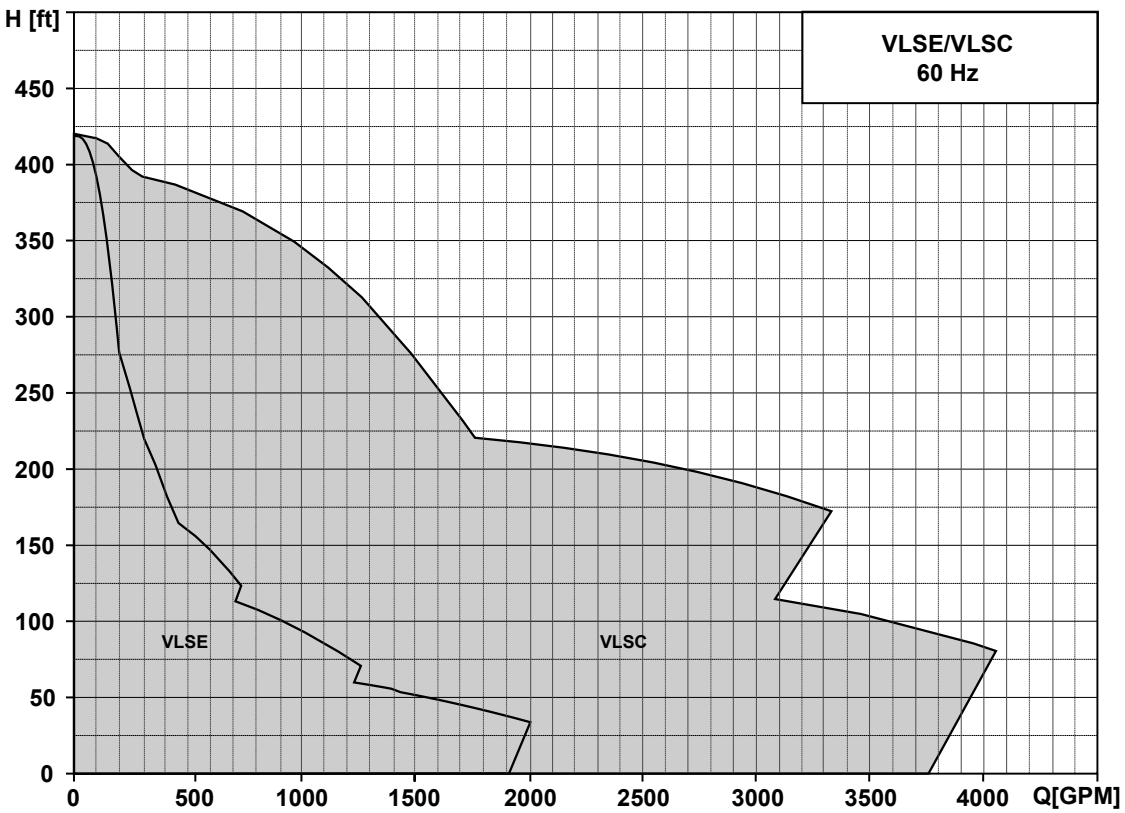
VLSE/VLSC Technical Data

VLSE Information	
Flow, Q	max. 1990 gpm
Head, H	max. 420 ft
Fluid temp.	10° to 275° F
Max. working pressure	max. 175 psi*
HP range/Speed	3 to 30 Hp/3600 RPM
	3 to 25 Hp/1800 RPM
Discharge/Suction sizes	1.25 to 8 in.

*** 250 psi rating available**

VLSC Information	
Flow, Q	max. 4100 gpm
Head, H	max. 420 ft
Fluid temp.	10° to 275° F
Max. working pressure	max. 175 psi*
HP range/Speed	5 to 125 Hp/3600 RPM
	3 to 125 Hp/1800 RPM
Discharge/Suction sizes	1.25 to 8 in.

*** 250 psi rating available**



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