

End Suction Split Coupled Pump

LCS

The LCS single stage, end suction, split coupled pump serves as the industry standard in performance, quality, and durability. The LCS provides hydraulic performance equal to that of a frame mounted, long coupled model, but in a compact design. Advanced features and benefits incorporated as standard, as well as optional features that meet specialized needs, set these high-efficiency, end suction pumps apart as the broadest line offered to the marketplace.



KEY FEATURES AND BENEFITS

- No baseplate grouting required
- Axially split, rigid coupling enhances ease of service with reduced maintenance costs
- No alignment required between the pump and motor eliminates laser alignment costs and reduces installation time
- Optimized, space-saving design has 35% smaller footprint than frame mount design
- Spacer coupling allows rapid mechanical seal access without motor removal for service friendly design
- Vesconite case wear rings extend pump life and increase efficiency
- Double volute design increases efficiency, lowers life cycle costs and prolongs seal and bearing life
- Francis Vane impeller design increases efficiency and reduces NPSH required
- Reduced installation and wiring cost
- Integrally cast diffuser vane reduces turbulence and need for suction guides
- Trimmed and balanced impellers allow customization, reduce noise and vibration for quiet operation and prolong seal and bearing life
- Large seal chamber allows various seal configurations and customization

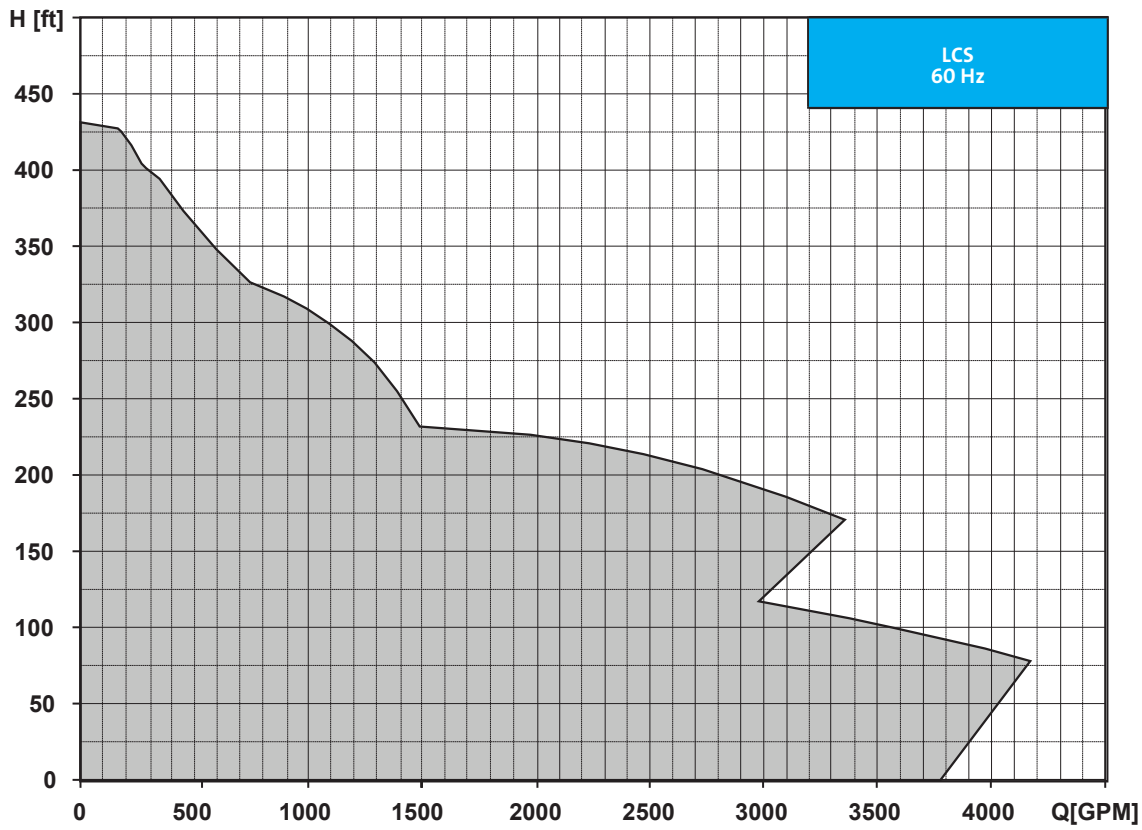
APPLICATIONS

- Chilled water
- Condensed water
- Hot water
- District heating/cooling
- HVAC
- Process water
- Light industrial
- Water utility

TECHNICAL DATA

LCS	
FLOW, Q:	max. 4200 gpm
HEAD, H:	max. 430 ft
LIQUID TEMPERATURE:	10°F to 275°F
WORKING PRESSURE:	max. 175 psi
HP RANGE:	max. 125 hp
SPEED:	3600, 1800, and 1200 RPM
DISCHARGE SIZES:	1 to 8 in

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.