

End Suction Pump

LC

The PACO LC pumps utilize a double volute design that offers a distinct advantage over single volute designs. The double volute design incorporates two cutwaters located at 180 degrees, which divide the flow into two geometrically similar regions of the volute.

The resultant hydraulic forces within the pumps are equal and opposed. As a result, the net radial force is maintained at a very low level throughout the operating range of the pump, and shaft deflection is kept to a minimum.



KEY FEATURES AND BENEFITS

- Double volute design reduces radial loads, internal recirculation and turbulence, resulting in a longer bearing and seal life
- Suction Splitter reduces turbulence and pre-rotation, lowering operating cost and adding a longer pump life
- Case Wear Ring protects volute, allows restoration of performance, lowering operating cost and adding longer pump life
- Shaft Sleeve protects shaft from wear and corrosion, extending the life of the pump and lowering maintenance costs
- Footed Bearing frame supporting rotating element, providing ease of alignment, maintenance and piping
- Francis Vane Impeller design with extended vanes and enlarged eye increases efficiency and reduces vibration and noise

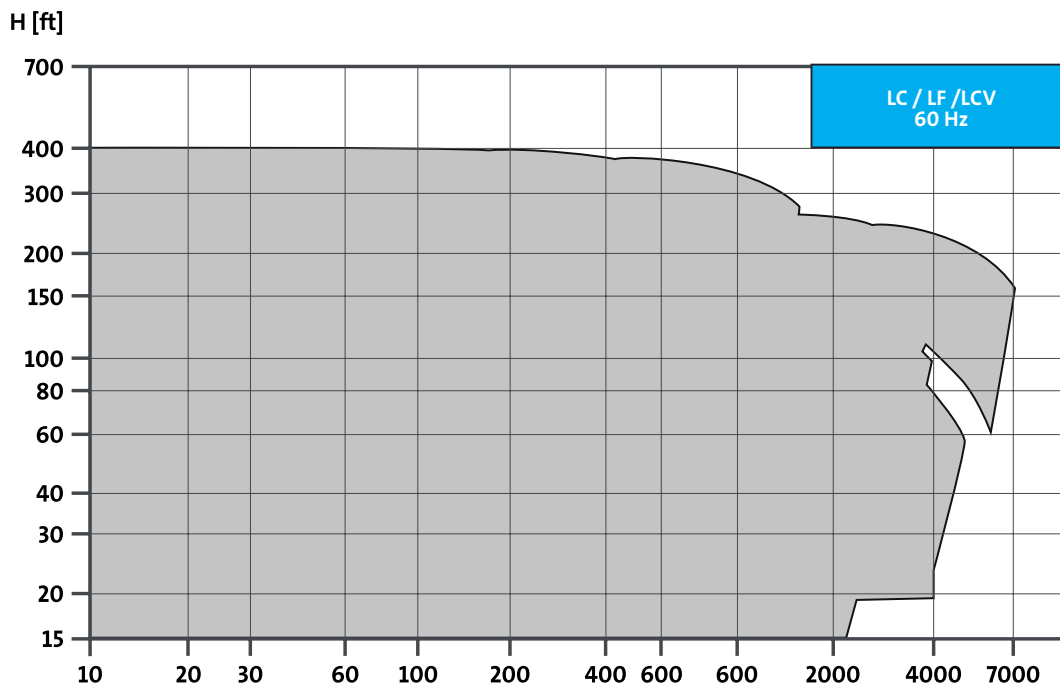
APPLICATIONS

- Agriculture
- HVAC
- Plumbing
- Pressure Boosting
- Industrial
- Water Utility
- Wastewater

TECHNICAL DATA

LC	
FLOW, Q:	max. 4,000 gpm
HEAD, H:	max. 400 ft
LIQUID TEMPERATURE:	10°F to 275°F
WORKING PRESSURE:	max. 250 psi
HP RANGE:	max. 125 hp
DISCHARGE SIZES:	1 to 8 in
IMPELLERS:	5 to 15 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.