

LIBERTY

Progressive Cavity Pumps

Shanley Pump
& Equipment, Inc.



LIBERTY

Features

The Liberty Series PC Pump is a standard flanged pump design with a body made in either Cast Iron or 316 Stainless Steel. The LL Series Pump unit is a modular design with a simple pinned-joint drive assembly and is designed for either 1, 2, or 3 pumping stages for 75, 150 or 225 psi discharge pressures.

Description

Standard Liberty Series PC Pump Rotors are Chrome Plated Hardened Tool Steel or Chrome Plated 316 Stainless Steel. All other internal pump wetted parts are Steel or 316 Stainless Steel and made for durability and use in the harshest manufacturing and pumping environments.

The Liberty Series Progressive Cavity Pump Stators come in a wide variety of elastomer materials depending on your application such as Buna Nitrile, Natural Rubber, EPDM and Viton for long usage. The standard seal design option for the Liberty series is a set of gland packing with Lantern Ring and flush connections.

Contact a Shanley Pump & Equipment, Inc. sales representative today for more information about the Liberty Series.



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Usage

Mechanical seal assembly retrofits are readily available and can be selected at the time of your order based upon your pumping applications. The Liberty Progressive Cavity Pump parts are direct aftermarket replacements that work with the Moyno™ L3 Series, Continental® CL3 Series and Tarby® TL3 Series.

Inlet: 1-1/2"

Outlet: 1-1/4"

Rotor: Tool or Stainless Steel - Chrome Plated

Stator: Buna, Rubber, Viton™

• Can be run in either direction

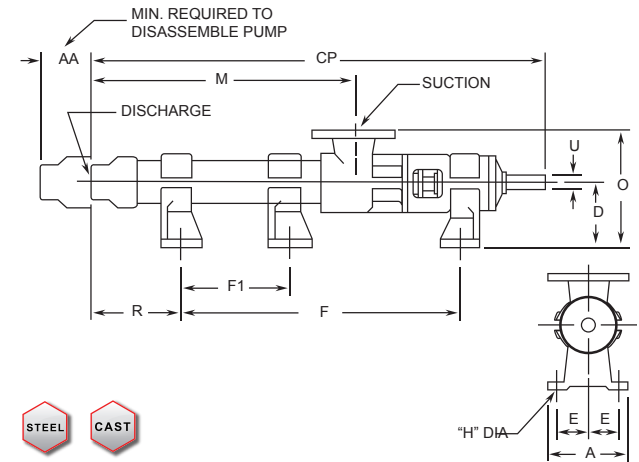
Main Applications

- Paper Industry Pumping
- Plant Engineering Pumping
- General Purpose Pumping
- Chemical Industry Pumping
- Industrial Waste Streaming
- Pig Farming Applications
- Solids Content Pumping Applications
- Deep-Hole Drilling Applications
- Fracking Pump Applications
- Wastewater Pumping Applications

GPM 0 - 380 GPM

PSI 0 - 225 PSI

TEMP 0°F - +300°F



Dimensions Drawings

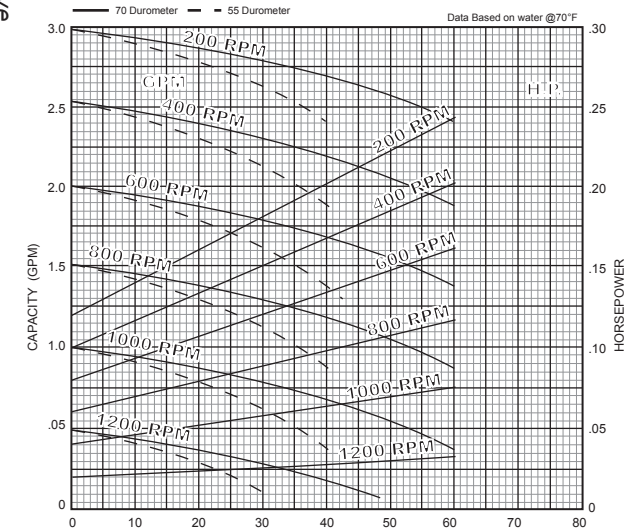
[Click here for complete dimensional drawings](#)



60HZ Performance Curve

1LL2

RPM	200	400	600	800	1000	1200
NPSH REQ'D	.5	.9	1.3	1.7	2.1	2.5
MIN. HP	1/10	1/8	1/6	1/4	1/4	1/3



[Click here for complete Flow Curves](#)