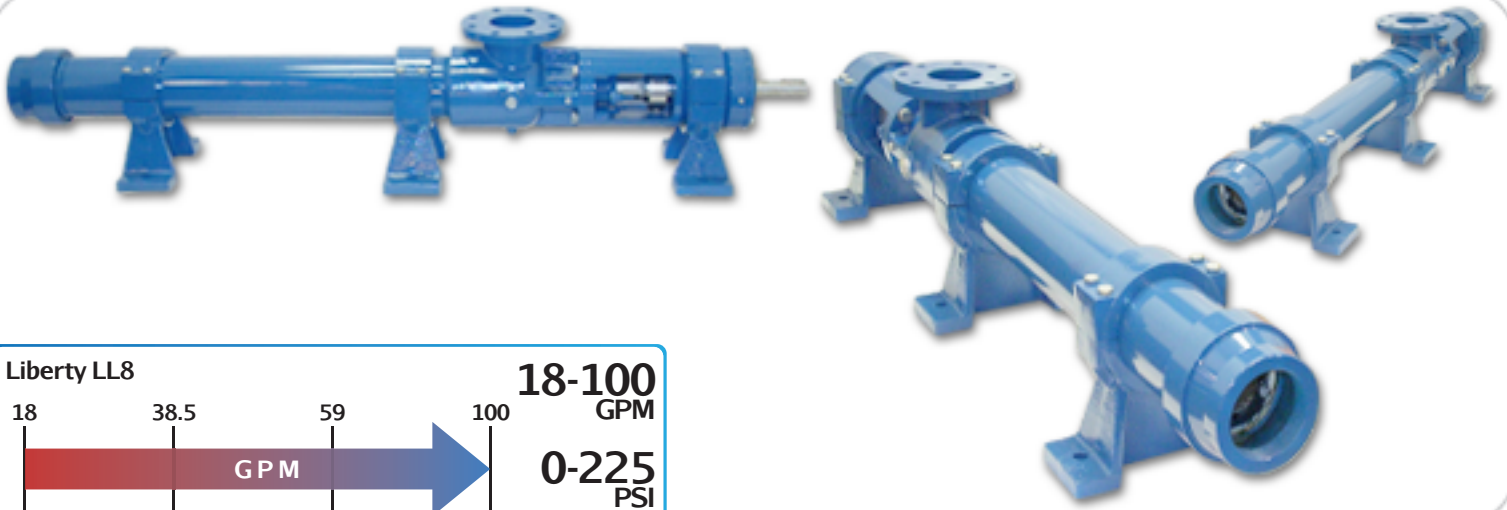


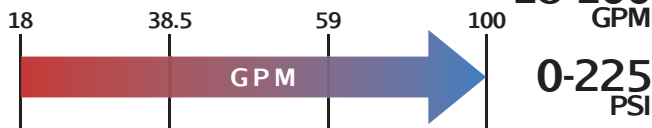


LIBERTY SERIES - LL8

Progressive Cavity Pump



Liberty LL8



Features

- Modular Design
- Maintenance Free
- Easy Assembly/Disassembly
- Simple Pin Joint Design
- Non-Pulsating Low Shear
- NPT Discharge Connections

Materials

Rotor: Tool Steel & Stainless Steel, Chrome-Plated

Stator: Buna, Rubber, Viton™, EPDM

Motor: 3, 5, 7.5, and 10 hp

Inlet: 4"

Outlet: 4"

Bases: Carbon and Stainless Steel

Pump Description

The Liberty LL8 Progressive Cavity Pump is an ideal unit for abrasive pumping applications like drilling mud, rendering plants and grease truck applications. Flow rate (11.7 gallons/100 revolutions) 15 up to 100 GPM.

The Liberty LL8 Series PC Pump is a standard flanged pump design manufactured with cast iron or 316 stainless steel pump casings and designed in 1, 2, and 3 stages for 75, 150 and 225 psi discharge pressures.

The pump unit is a modular design with simple hardened pinned joint drive assembly. The LL8 Rotors are typically hardened tool steel or 316 stainless steel with a hard chrome plating for long life in abrasive pumping applications.

All other wetted parts are either carbon steel or 316 stainless steel. Stators are available in many elastomer materials such as buna, natural rubber, epdm and viton. The standard seal design is a set of gland packing with a lantern ring and flush connections. Mechanical seal options for this progressive cavity pump are readily available.

The Liberty unit is a low-cost, maintenance free, dependable drop-in replacement progressive cavity pump. The Liberty LL8 Progressive Cavity Pump parts are direct aftermarket progressive cavity pump part replacements that work with the Moyno™ L8 series, the Tarby™ TL8 series and Continental™ CL8 Series.

Contact a Liberty Process representative today for more information about the LL8 Series.

Curves

[Click Links Below](#)

1-Stage
1LL8

2-Stage
2LL8

3-Stage
3LL8

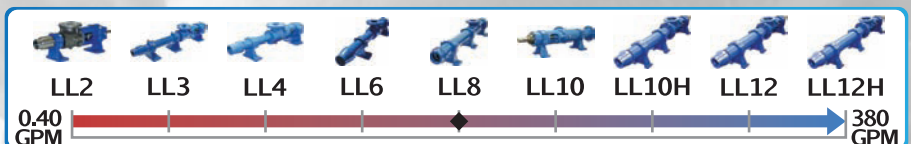
Drawings

[Click Links Below](#)

1-Stage
1LL8

2-Stage
2LL8

3-Stage
3LL8



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www.libertyprocess.com

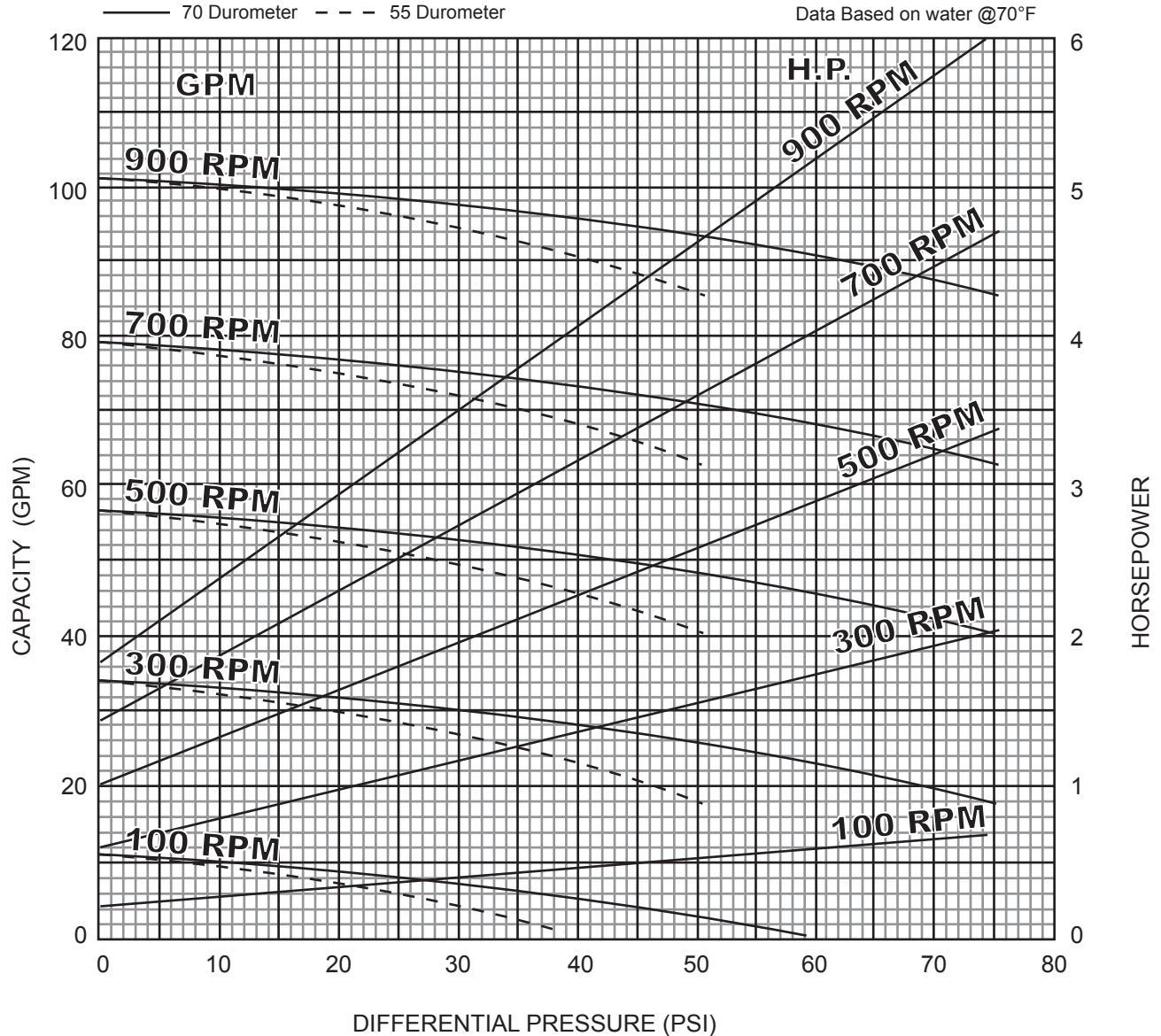


LIBERTY SERIES - 1LL8

Progressive Cavity Pump

Performance Curves

RPM	100	300	500	700	900
NPSH REQ'D	.8	2.2	3.7	6.9	10.5
MIN. HP	1/2	1-1/2	2	3	5



1 Stage Pump

[BACK TO TOP](#)

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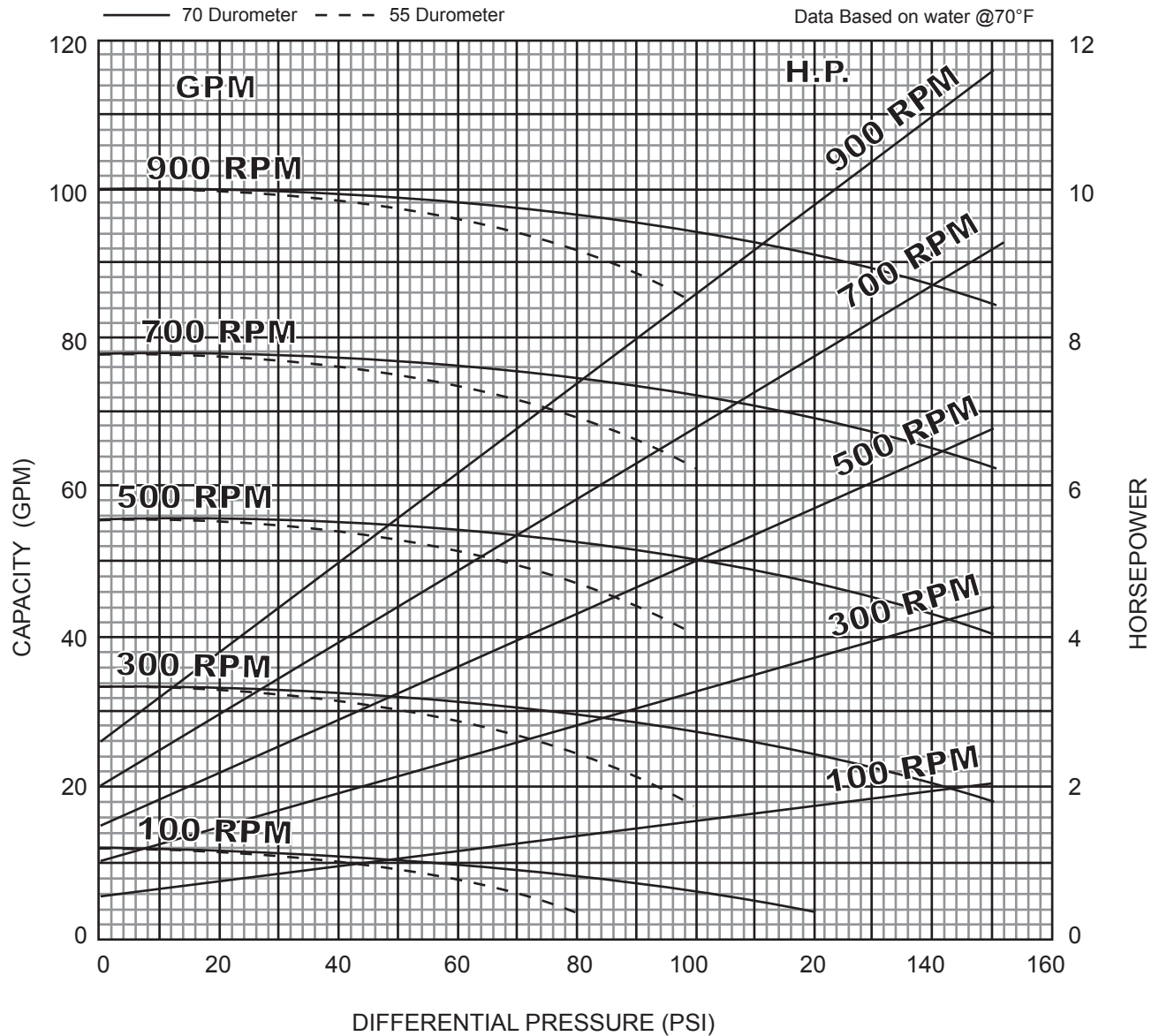


LIBERTY SERIES - 2LL8

Progressive Cavity Pump

Performance Curves

RPM	100	300	500	700	900
NPSH REQ'D	.8	2.2	3.7	6.9	10.5
MIN. HP	1-1/2	3	5	7-1/2	7-1/2



2 Stage Pump

[BACK TO TOP](#)

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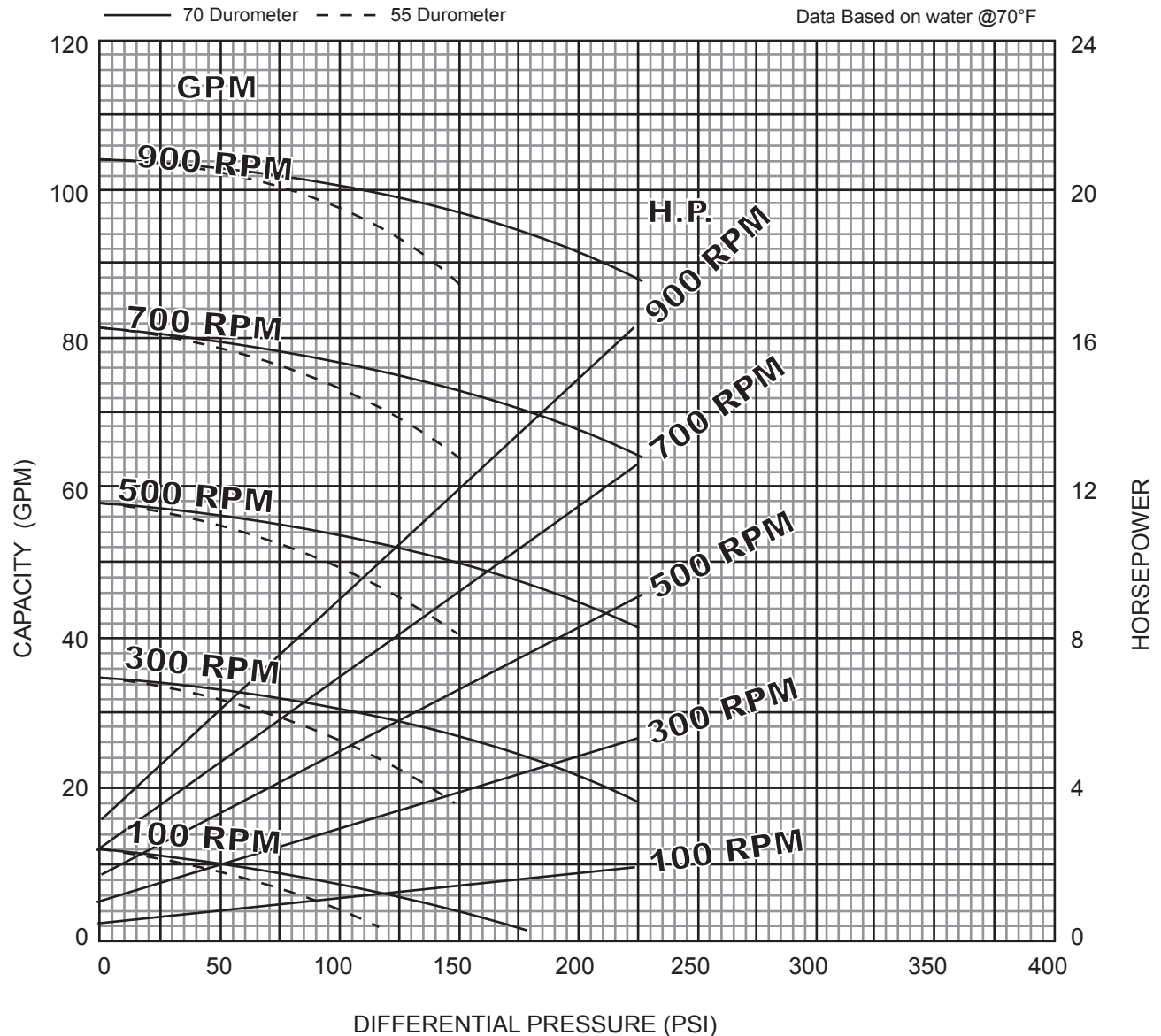


LIBERTY SERIES - 3LL8

Progressive Cavity Pump

Performance Curves

RPM	100	300	500	700	900
NPSH REQ'D	.8	2.2	3.7	6.9	10.5
MIN. HP	2	5	7-1/2	10	10



3 Stage Pump

[BACK TO TOP](#)

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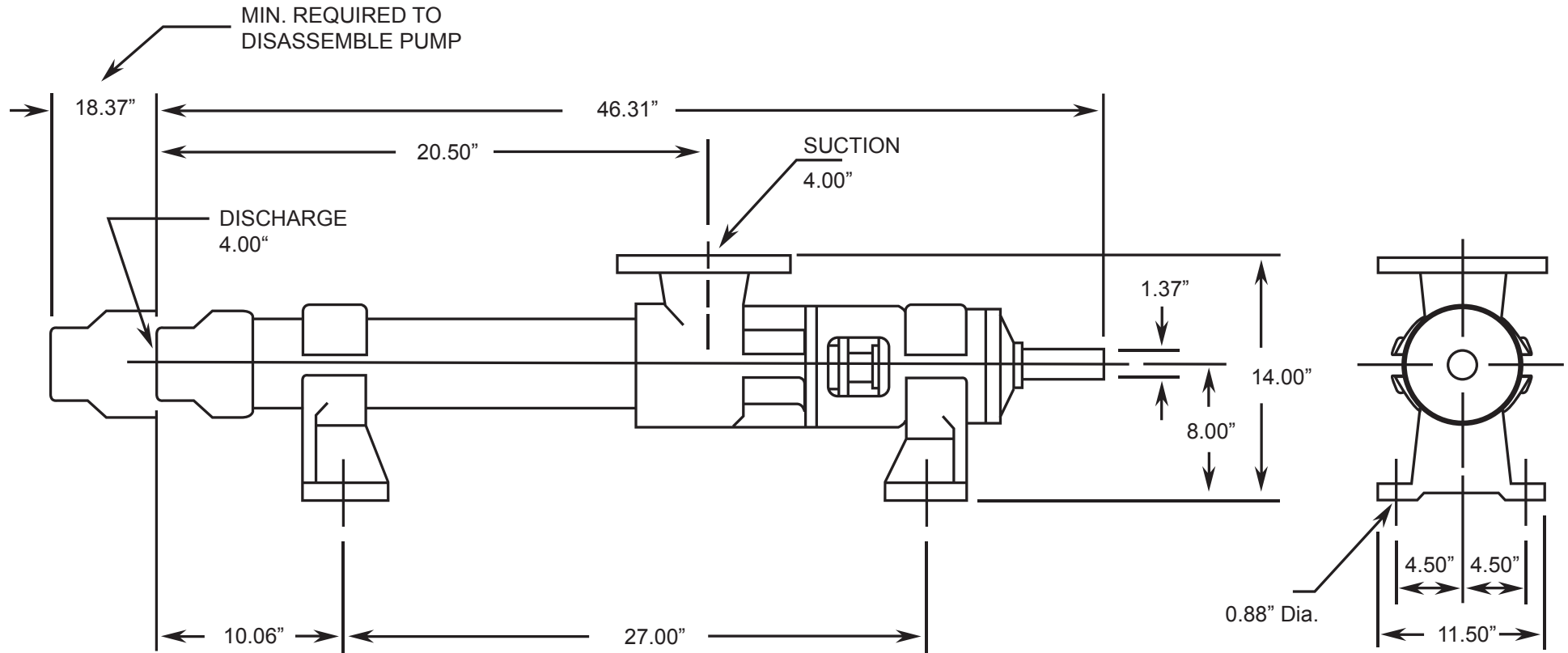
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LIBERTY SERIES - 1LL8

Progressive Cavity Pump

Dimensional Drawings



[BACK TO TOP](#)

1 Stage Pump

Net weight

≈ lbs.

303

ALL DIMN: Inches

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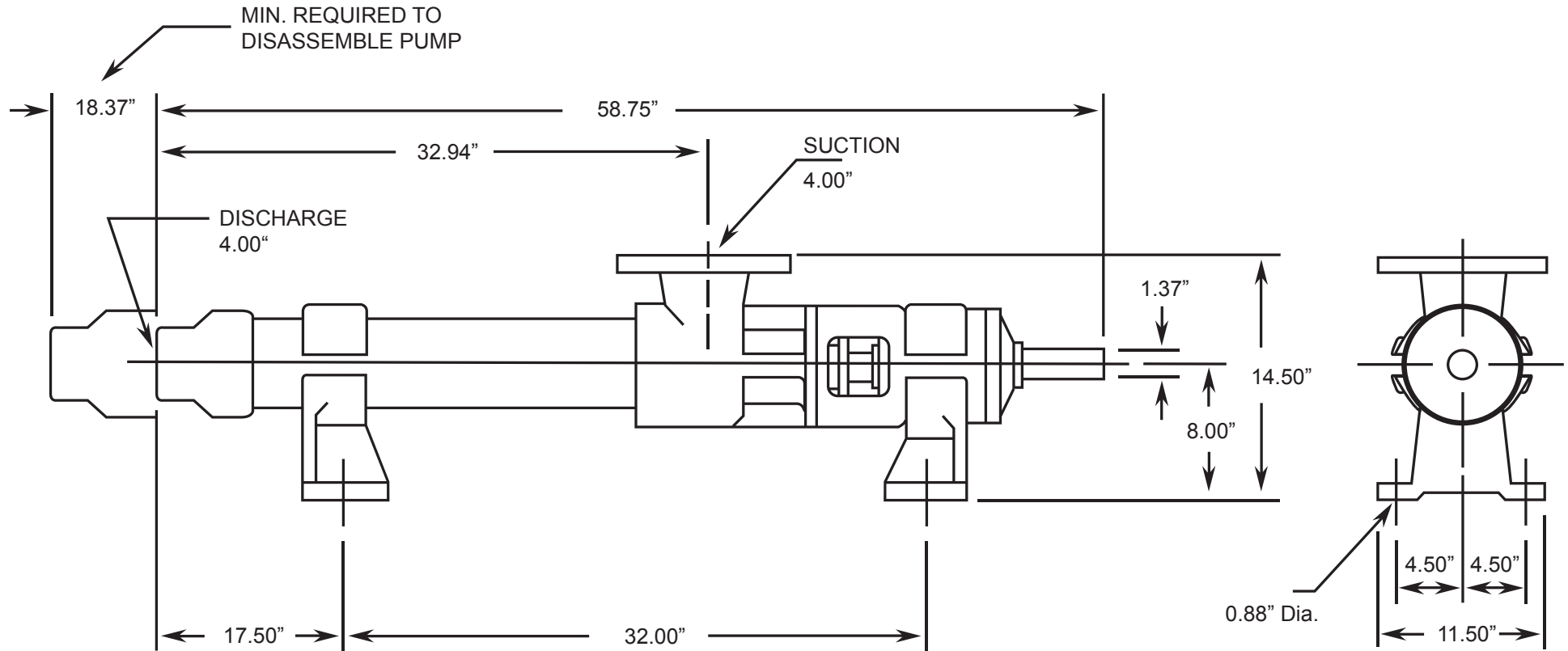
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LIBERTY SERIES - 2LL8

Progressive Cavity Pump

Dimensional Drawings



[BACK TO TOP](#)

Net weight

≈ lbs.

322

ALL DIMN: Inches

2 Stage Pump

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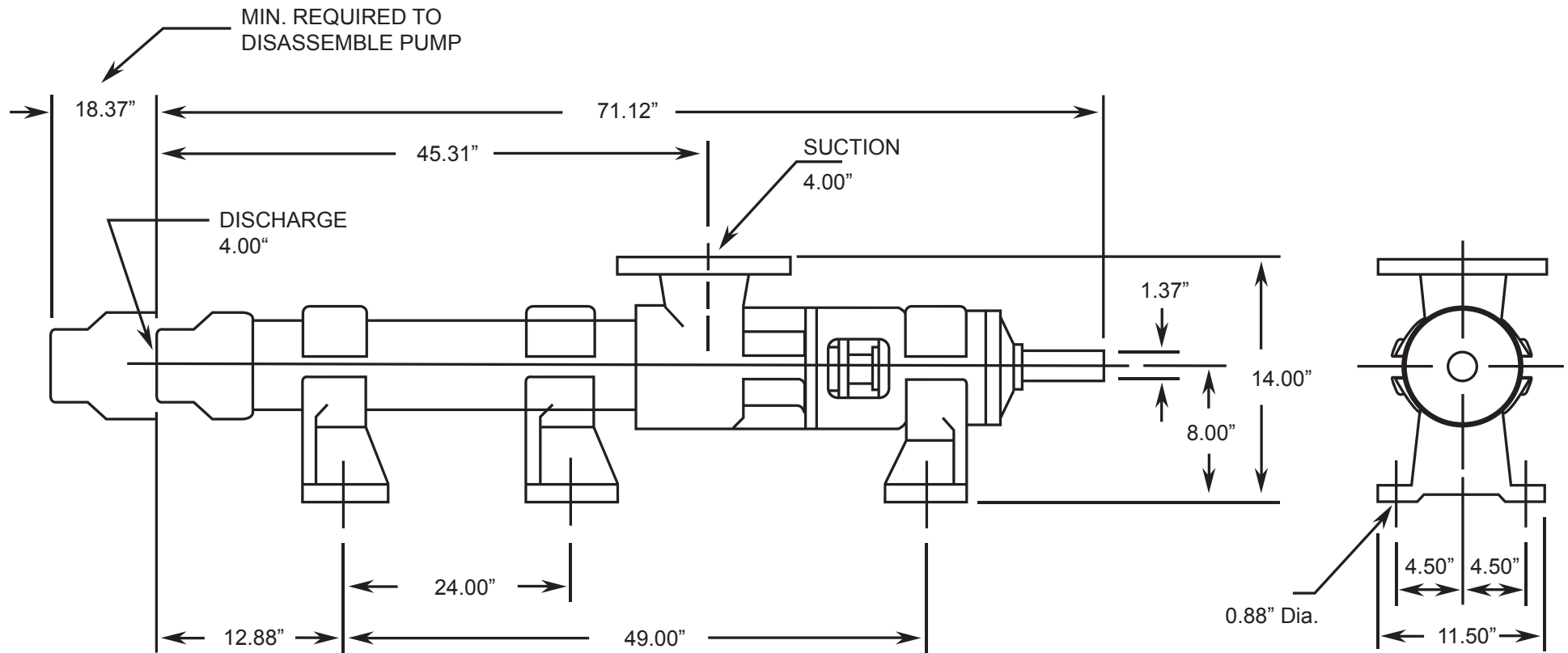
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LIBERTY SERIES - 3LL8

Progressive Cavity Pump

Dimensional Drawings



BACK TO TOP

3 Stage Pump

Net weight

≈ lbs.

372

ALL DIMN: Inches

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