

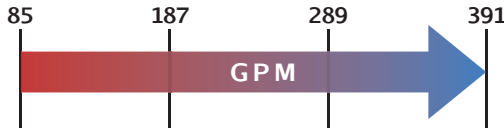


# SWGL SERIES - SWGL12 & 12H

Progressive Cavity Pump



SWGL 12/12H



85-391  
GPM

0-150  
PSI

## Features

- ANSO Flanges
- Sealed Gear Joint
- Mechanical Seal Option
- Flushed Packing
- Compact Design

## Materials

**Rotor:** *Chrome Plated Tool Steel or Stainless Steel*

**Stator:** *Buna Nitrile, EPDM, Rubber, Viton™*

**Motor:** *15, 20, and 25 hp*

**Inlet:** *8"*

**Outlet:** *8"*

**Bases:** *Steel and Stainless Steel*

## Pump Description

The SWGL 12 and 12H Series of Progressive Cavity Pump is a classic pump series offered from Liberty Process Equipment. This is a traditional heavy-duty series of pumps with the same stator as the Liberty series of pumps, but offered additionally with heavy-duty gear joints. This pump series is an ideal solution for sewage treatment sludge handling applications. It is offered in cast iron with ANSI standard flanges for suction and discharge connections.

We also offer optional mechanical seals as well as our standard gland packing. This pump dimensionally interchanges with other manufacturers pumps and is a drop-in replacement. At Liberty Process, we stock all the spare parts for this series to meet quick delivery needs.



## Curves

[Click Links Below](#)

1-Stage  
**1SWGL12**

2-Stage  
**2SWGL12**

3-Stage  
**3SWGL12**



## Drawings

[Click Links Below](#)

1-Stage  
**1SWGL12**

2-Stage  
**2SWGL12**

3-Stage  
**3SWGL12**

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2525 Clearbrook Drive Arlington Heights, IL 60005

[www.libertyprocess.com](http://www.libertyprocess.com)

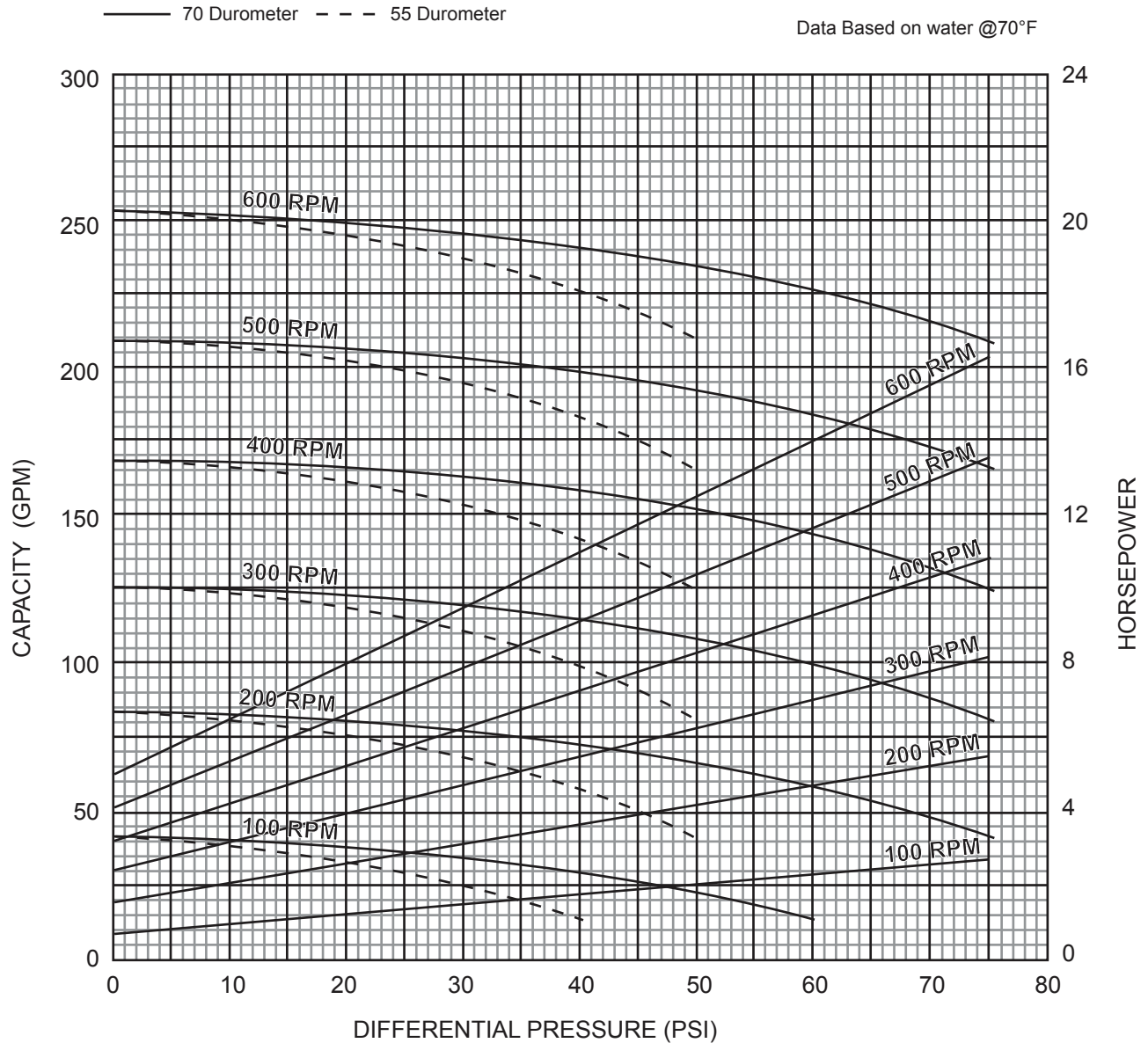


# SWGL SERIES - ISWGL12

Progressive Cavity Pump

Performance Curves

| RPM        | 100 | 200 | 300 | 400   | 500 | 600  |
|------------|-----|-----|-----|-------|-----|------|
| NPSH REQ'D | 1.2 | 2.3 | 3.4 | 5.6   | 8.4 | 11.2 |
| MIN. HP    | 3   | 5   | 5   | 7-1/2 | 10  | 10   |



**1 Stage Pump**

[BACK TO TOP](#)

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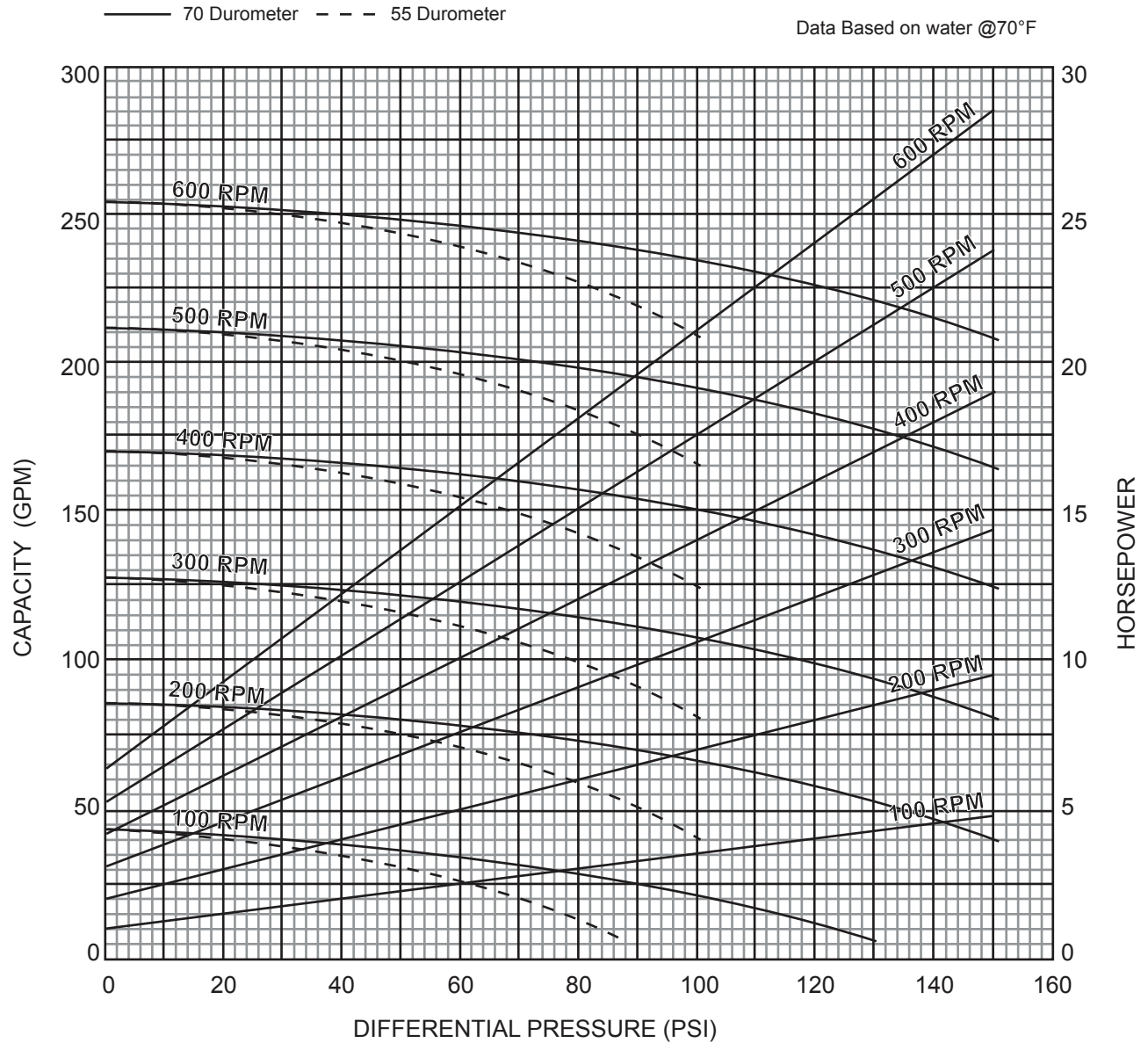


# SWGL SERIES - 2SWGL12

Progressive Cavity Pump

Performance Curves

| RPM        | 100 | 200   | 300 | 400 | 500 | 600  |
|------------|-----|-------|-----|-----|-----|------|
| NPSH REQ'D | 1.2 | 2.3   | 3.4 | 5.6 | 8.4 | 11.2 |
| MIN. HP    | 5   | 7-1/2 | 10  | 15  | 15  | 20   |



**2 Stage Pump**

[BACK TO TOP](#)

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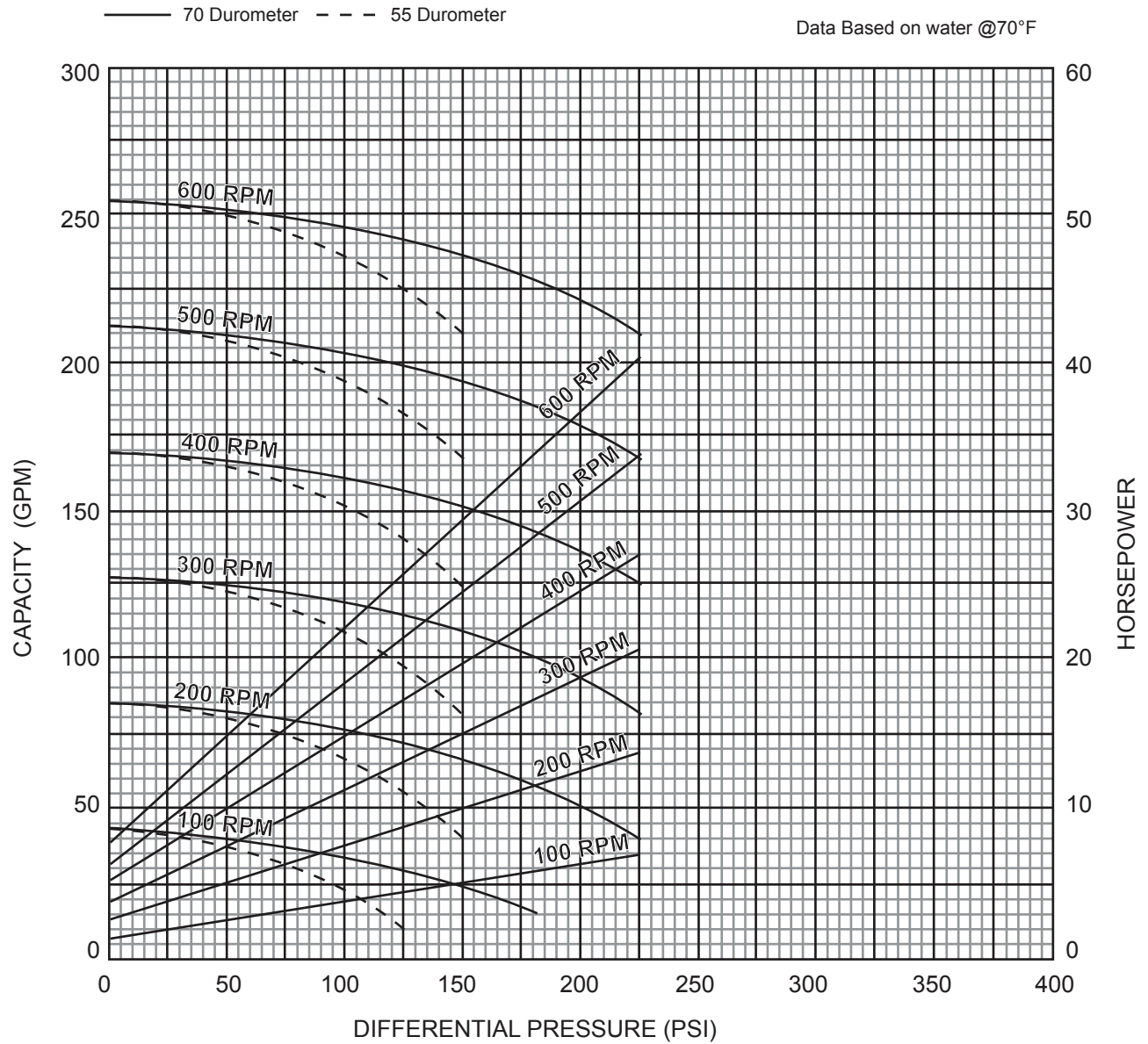


# SWGL SERIES - 3SWGL12

Progressive Cavity Pump

Performance Curves

| RPM        | 100 | 200 | 300 | 400 | 500 | 600  |
|------------|-----|-----|-----|-----|-----|------|
| NPSH REQ'D | 1.2 | 2.3 | 3.4 | 5.6 | 8.4 | 11.2 |
| MIN. HP    | 5   | 10  | 15  | 15  | 20  | 25   |



**3 Stage Pump**

[BACK TO TOP](#)

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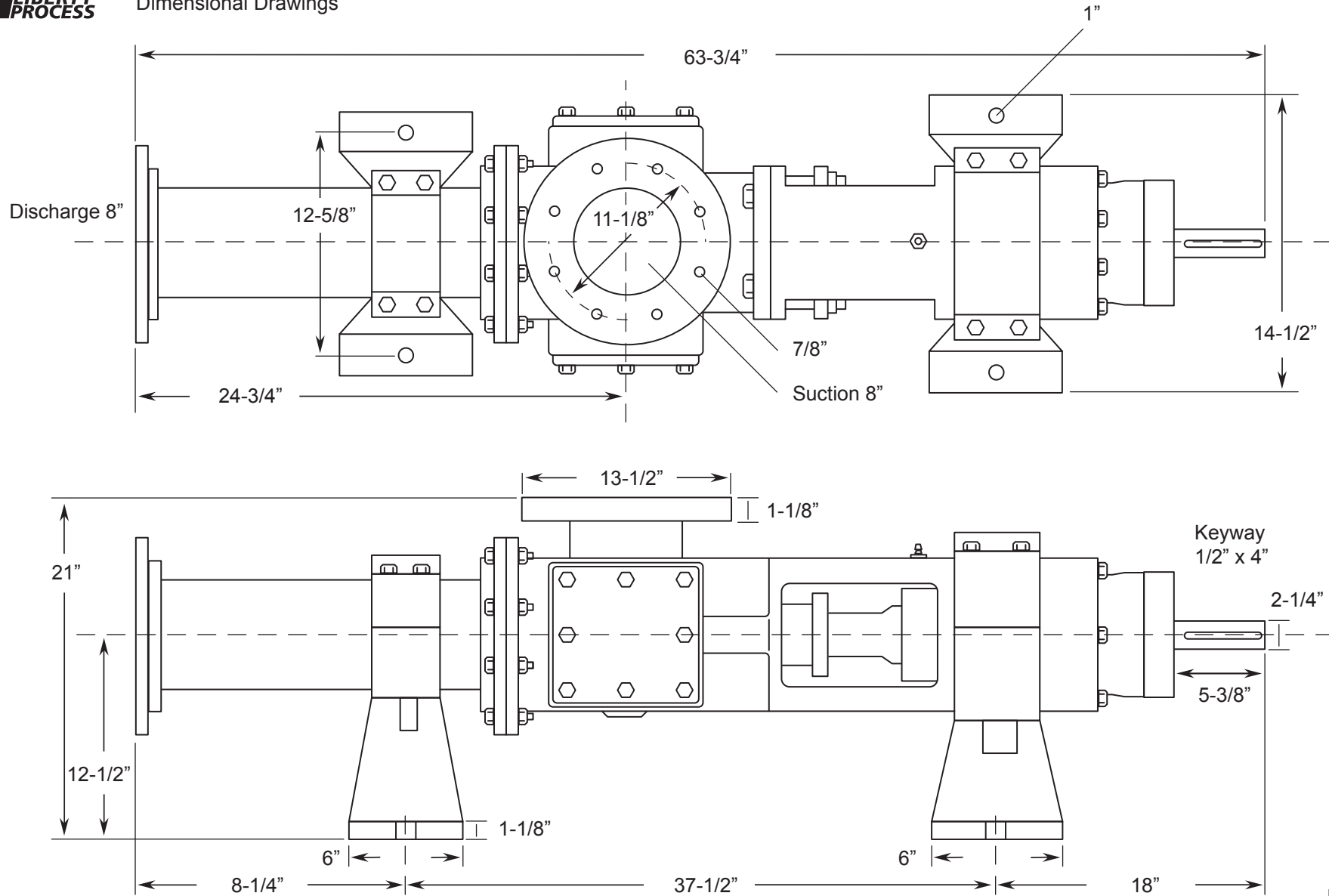
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# SWGL SERIES - ISWGL12

Progressive Cavity Pump

Dimensional Drawings



BACK TO TOP

ALL DIMN: Inches

Net weight

≈ lbs.

**960**

**1 Stage Pump**

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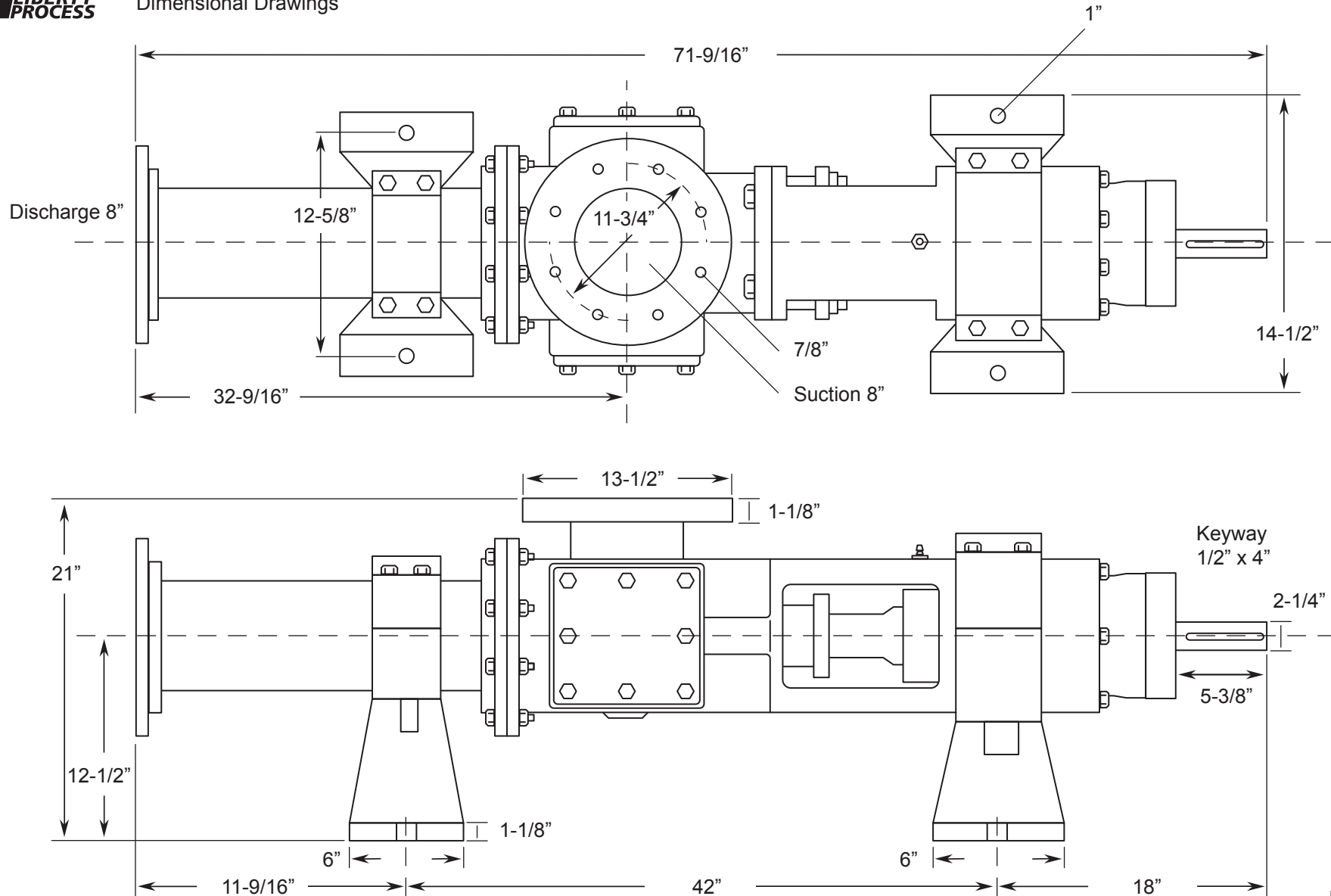
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# SWGL SERIES - ISWGL12H

Progressive Cavity Pump

Dimensional Drawings



BACK TO TOP

ALL DIMN: Inches

Net weight

≈ lbs.

**1025**

**1 Stage Pump**

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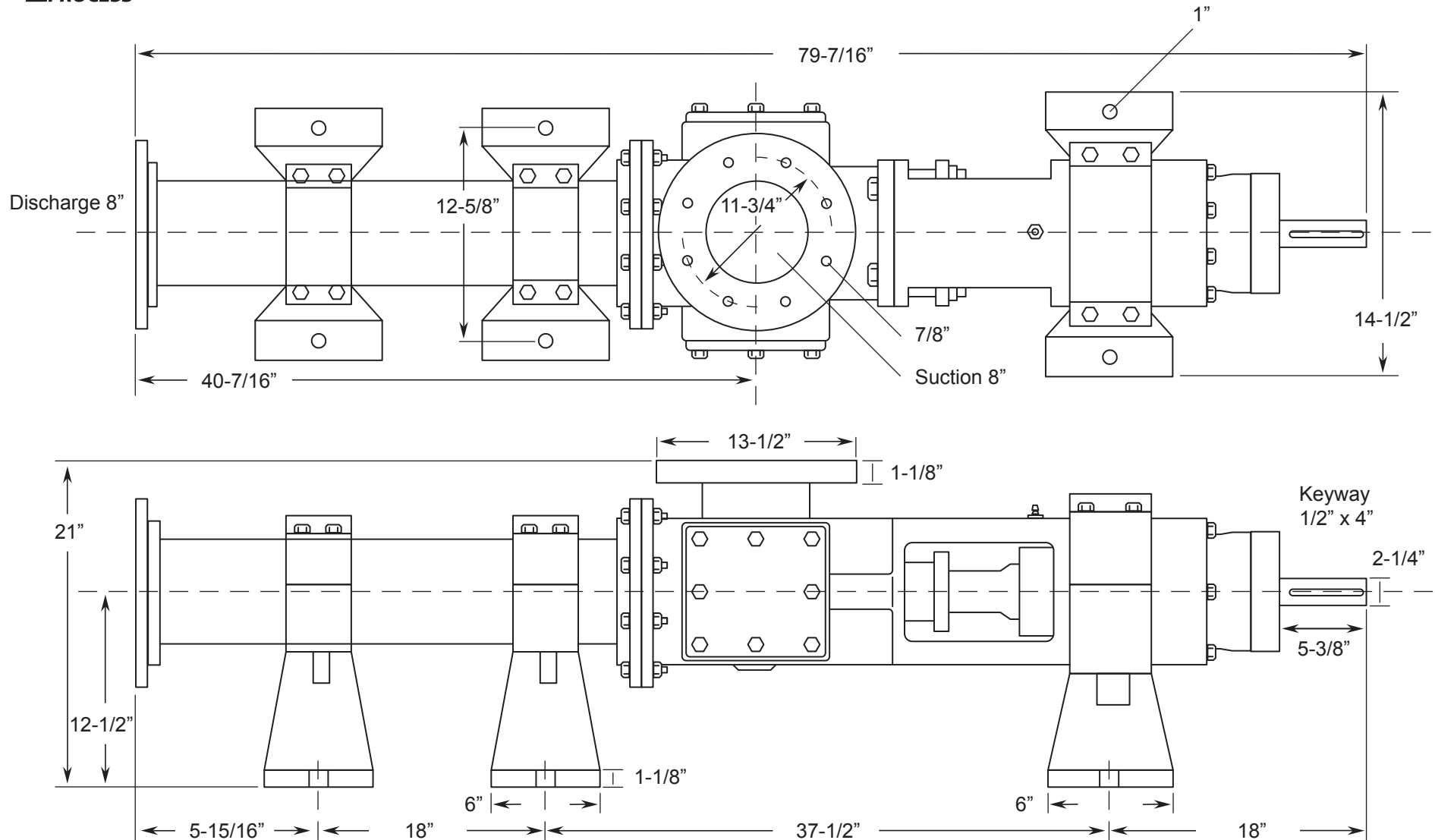
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# SWGL SERIES - 2SWGL12

Progressive Cavity Pump

Dimensional Drawings



BACK TO TOP

**2 Stage Pump**

ALL DIMN: Inches

Net weight

≈ lbs.

**1155**

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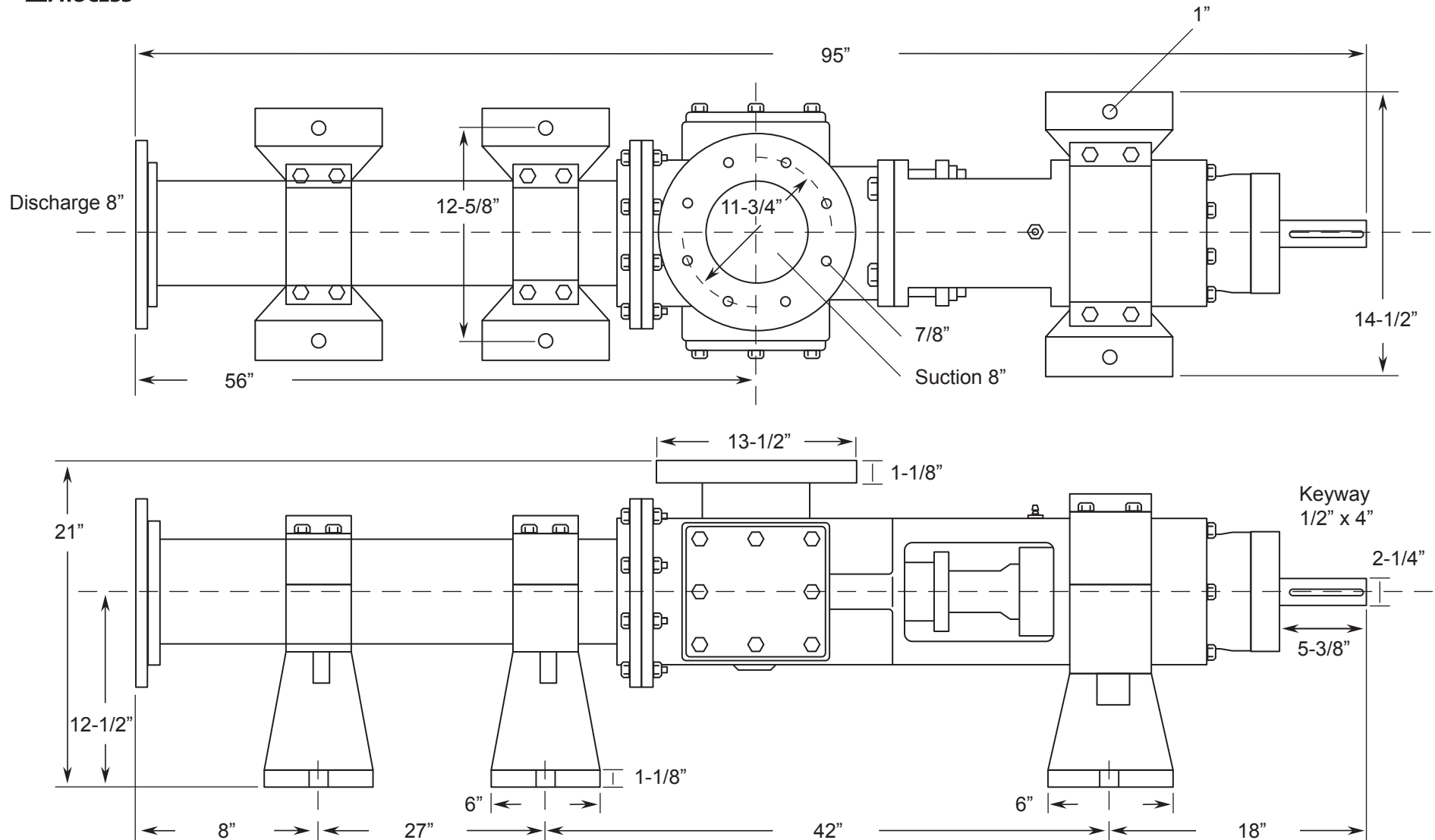
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# SWGL SERIES - 2SWGL12H

Progressive Cavity Pump

Dimensional Drawings



[BACK TO TOP](#)

Net weight

≈ lbs.

**1285**

ALL DIMN: Inches

**2 Stage Pump**

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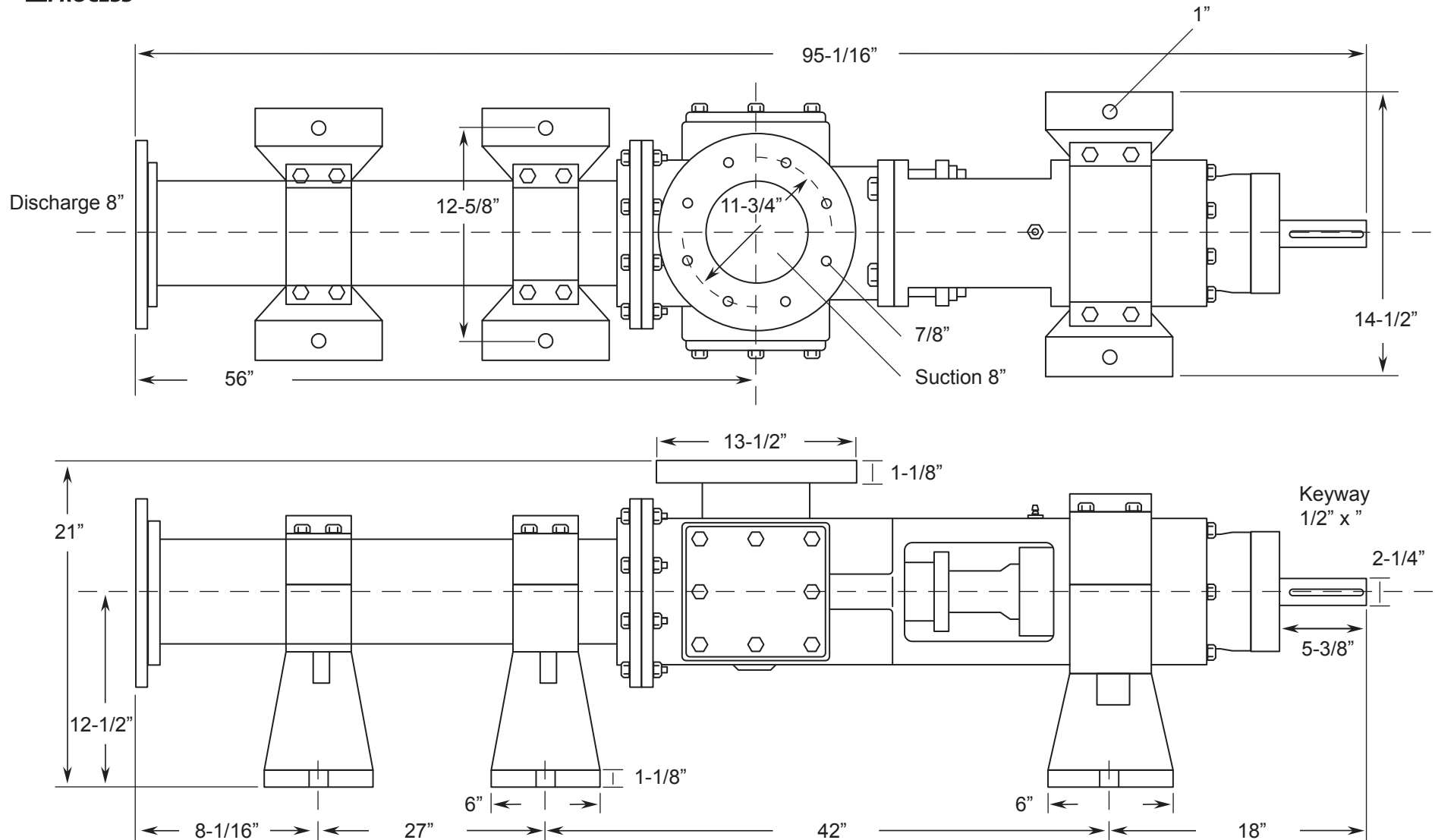




# SWGL SERIES - 3SWGL12

Progressive Cavity Pump

Dimensional Drawings



BACK TO TOP

**3 Stage Pump**

ALL DIMN: Inches

Net weight

≈ lbs.

**1285**

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