

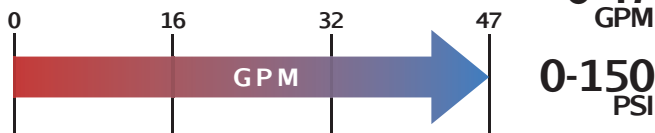


FREEDOM SERIES - LFF6

Progressive Cavity Pump



Freedom LFF6



Features

- Handles majority of sanitary applications
- Interchangeable parts with other manufacturers
- Various sizes to fit the best for your application
- Designed to handle viscous materials
- Self-priming capabilities
- Can provide continuous flow for metered applications

Materials

Rotor: 316 Chrome-Plated Stainless Steel

Stator: Food Grade Buna Nitrile, Viton™, EPDM

Motor: Up to 5 hp

Inlet: 2-1/2" Triclamp

Outlet: 2-1/2" Triclamp

Bases: Steel and Stainless Steel

Pump Description

The Liberty Process Equipment Freedom Series Stainless Steel Food Grade Progressive Cavity Pumps are your best choice for sanitary Progressive Cavity Pump applications. Designed for food-grade installation, this pump allows the ease of the Liberty Series with sanitary parts. These pumps have been sized to handle fluids as thin as alcohol, spirits and soups to viscous icings, yeast and ice cream. The LFF6 series is an ideal solution for cookie dough transfer pumping in the baking industry and comes with a 2-1/2" Triclamp connection standard.

Pumps can handle applications in the Pork, Poultry & Beef markets with the option of a Hopper feed system. Many of the Freedom Series pumps have handled products such as milk, ice cream, pastry dough and more. Other industries of preference include the Cosmetics, Slurry and Specialty Waste.

Freedom Series pumps are made with Stainless Steel wetted parts. Elastomers are offered in Sanitary Buna, EPDM and Fluoroelastomer. Stock pumps are carried with Packing Seal type, but can be retrofitted with a Mechanical Seal (Single or Double). Liberty Process Equipment carries these pumps in a one stage and two stage models. Pumps are equipped with Tri-Clamp Connections and a Clean-In-Place connection can be added.

Hopper Feed System is also available for viscous material handling. Parts for these pumps are normally kept in stock or have short lead times. Please contact Liberty Process Equipment for current availability. All pumps also have the option of being assembled as a complete Package. The Liberty Process Equipment Engineering Department will not only size a pump to meet your sanitary application, but size and provide the best Motor, equipped with Base, Coupling & Guard. Options include Speed Control, Vertical Mount/V-Belt, Valve attachment and additional engineered requirements. Package units will be mounted and assembled for complete system delivery.



Curves

[Click Links Below](#)

1-Stage
1LFF6

2-Stage
2LFF6



Drawings

[Click Links Below](#)

1-Stage
1LFF6



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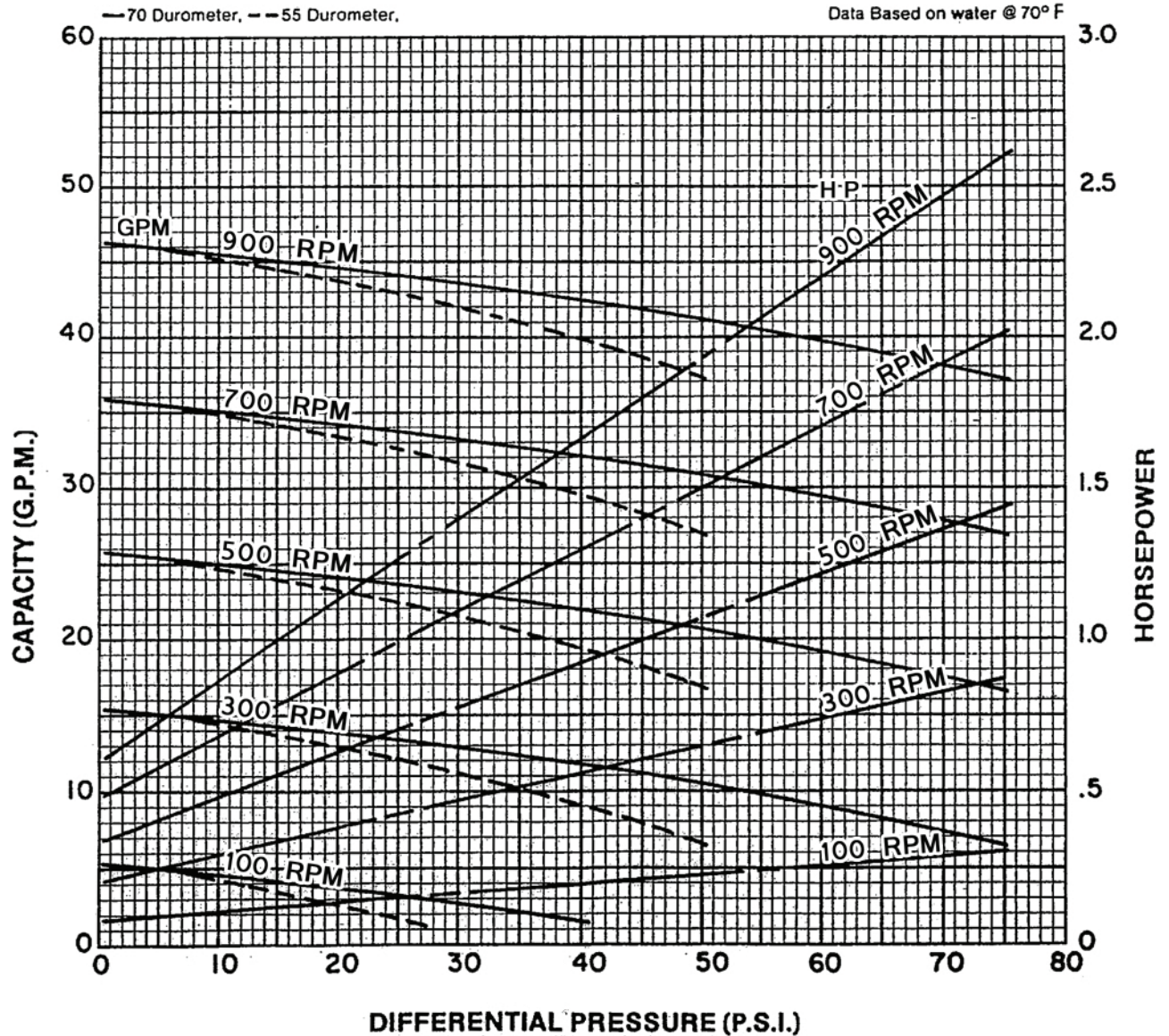


FREEDOM SERIES - 1LFF6

Progressive Cavity Pump

Performance Curves

RPM	100	300	500	700	900		
NPSH REQ'D	.6	1.7	2.9	4.1	6.9		
MIN. HP	1/3	3/4	1	1 1/2	2		



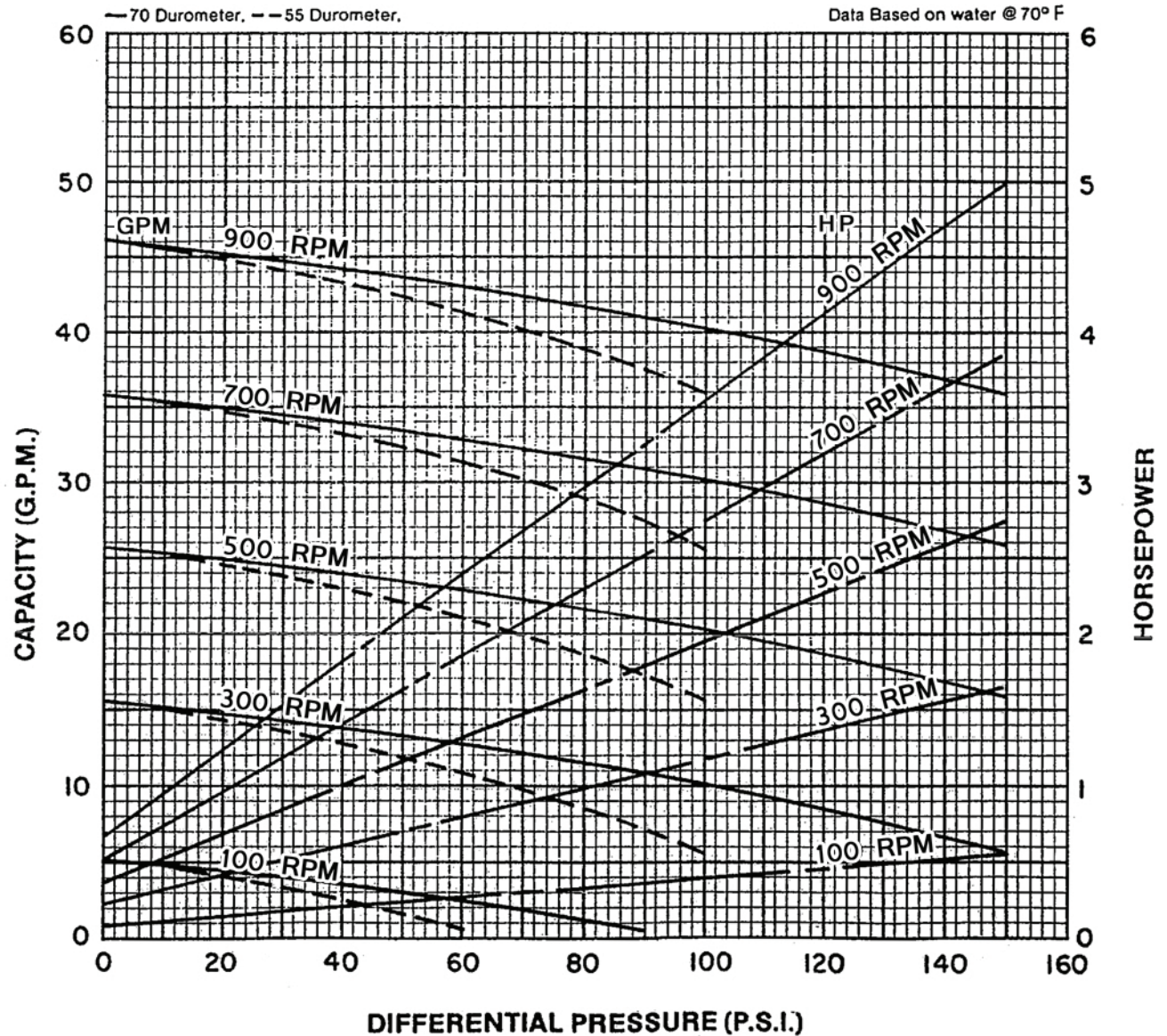


FREEDOM SERIES - 2LFF6

Progressive Cavity Pump

Performance Curves

RPM	100	300	500	700	900		
NPSH REQ'D	.6	1.7	2.9	4.1	6.9		
MIN. HP	1 1/2	1 1/2	2	3	3		





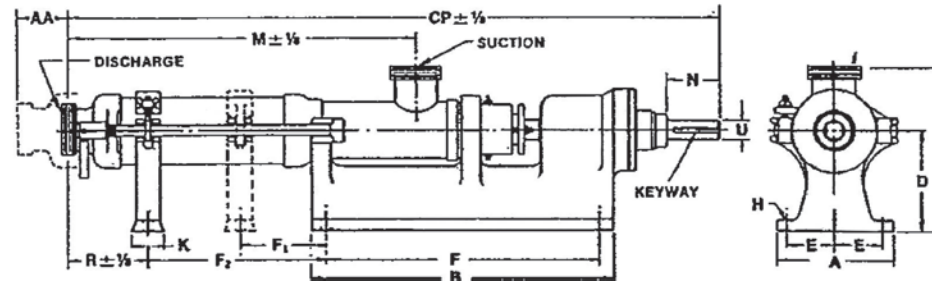
FREEDOM SERIES - 1LFF6

Progressive Cavity Pump

Dimensional Drawings

Type FF & FG

Suction and discharge connections are bevel seat with standard Acme sanitary threads.



Pump	AA	A	B	CP	D	E	F	F2	G	H	K	M	N	O	P	Q	R	S	T	U	V	W	Z	Key	Disc
1FF6	6 5/8	8 1/2	19	41	6 1/4	3 1/2	17	7	5/8	11/16	2 1/2	21 7/8	4 3/8	10 3/4	-	-	8	-	-	1 1/8	-	-	-	1/4 1/8	2 1/2

BACK TO TOP

1 Stage Pump

Net weight

≈ lbs.

117

ALL DIMN: Inches

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