

Justice LJ12

Progressive Cavity Pump

Features

- * Large Hopper
- * Welded Auger
- * Hardened Joints
- * Packing or Mechanical Seal
- * 3-Stage Options
- * Steel or Stainless Steel

Pump Description

The Liberty Justice LJ12 Series Open Hopper Progressive Cavity Pump represents an ideal pumping solution for viscous solutions with high solids contents such as wine must and other low-flowable pumping mediums. Flow rates of 43.5 GPM per 100 Revolutions (128 GPM to 196 GPM) at 225 PSI are standard through the range of the series. The Justice Series offers a design of a heavy-duty auger mated to a rotor and stator for the most difficult pumping applications available today.

The large rectangular feed hopper design easily accommodates your pumping medium while the non-pulsating design of the product produces a low-shear flow that conveys your medium along effortlessly. Solids in suspension of up to 50% are accommodated by the Auger design.

The modular design of the Justice LJ12 Series Open Hopper Progressive Cavity pump is a hardened pinned-joint drive assembly with a body available in steel or 316 stainless steel and internal wetted components in either stainless steel or hardened tool steel with hard chrome plating for long-life and durability in abrasive pumping applications.

Rotors and Stators for the LJ12 Justice Series are available in 1, 2, and 3 stages for applications with 75, 150, and 225 PSI discharge pressures with stators available in Buna Nitrile, Viton, EPDM and Natural Rubber. The standard seal design is a set of packing with a lantern ring and flush connections. Mechanical Seal options are readily available.

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

Materials

Rotor: Tool Steel and Stainless Steel, Chrome-Plated

Stator: Buna, Rubber, Viton™, EPDM

Motor: 10, 15, 20, and 30 hp

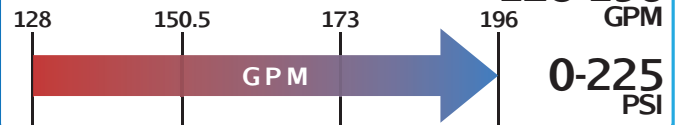
Inlet: 15.75" x 35.43"

Outlet: 6"

Bases: Steel and Stainless Steel



Justice LJ12



Curves



Single Stage



Double Stage

Please Click the Icon

Drawings



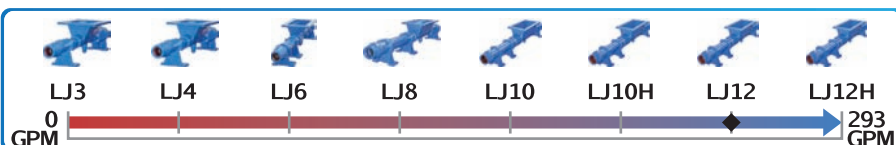
Single Stage



Double Stage

Please Click the Icon

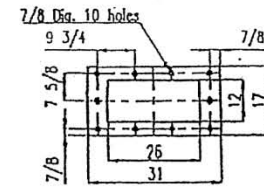
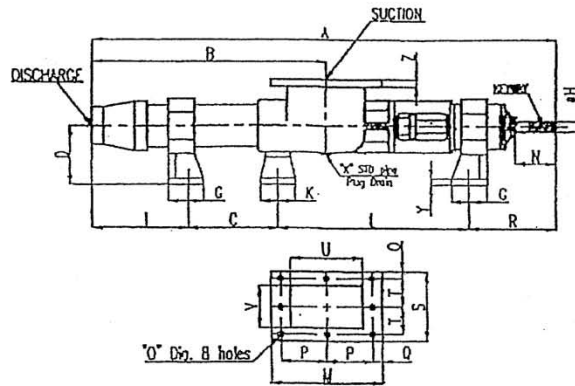
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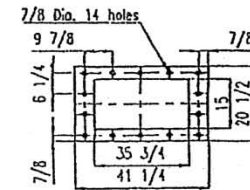
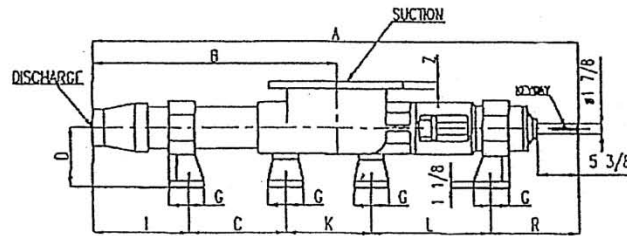
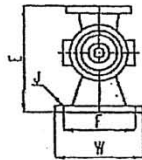
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Justice Series Drawings

This diagram applies to frames 2J3, 2J4, 2J5, 2J8



This suction diagram applies to frames 2J10, 2J10H...



This suction diagram applies to frames 2J12, 2J12H

Pump	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Key	Disc
2J12	105.56	58.19	25	12.50	22.37	12.62	6	2.25	20.19	.94	25.75	21.75	-	6	-	-	-	12.875	-	-	-	-	14.50	3	1.12	1.12	.50x.25	6
2J12H	121-1/8	73.75	40.50	12.50	22.37	12.62	6	2.25	20.25	.94	25.75	21.75	-	6	-	-	-	12.875	-	-	-	-	14.50	3	1.12	1.12	.50x.25	6

Justice 2LJ12

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	

