

# Justice LJ12H

## 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 LJ12H Justice Series Open Hopper Progressive Cavity Pump represents an ideal pumping solution for viscous solutions with high solids contents such as sewage, sewage sludge's, pulp and paper and other low-flowable pumping mediums. Flow rates of 65.6 GPM per 100 Revolutions (198 GPM to 293 GPM) at 150 PSI are standard through the range of the series. The Justice Series offers a dual-piece 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 LJ12H 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. Other, non-contacting internal parts are made of carbon steel.

Rotors and Stators for the Justice LJ12H Series are available in 1, 2, and 3 stages representing 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 connectors. mechanical Seal options are readily available.

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

### Materials

**Rotor:** *Stainless Steel, Chrome-Plated*

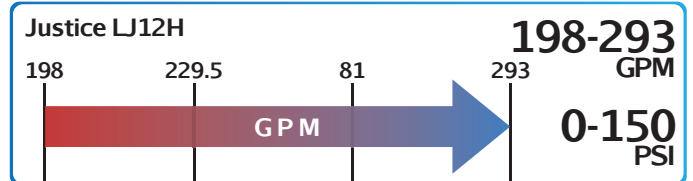
**Stator:** *Buna, Rubber, Viton™, EPDM*

**Motor:** *15, 25, 30, and 40 hp*

**Inlet:** *15.75" x 35.43"*

**Outlet:** *6"*

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



### Curves



Single Stage



Double Stage

Please Click the Icon

### Drawings



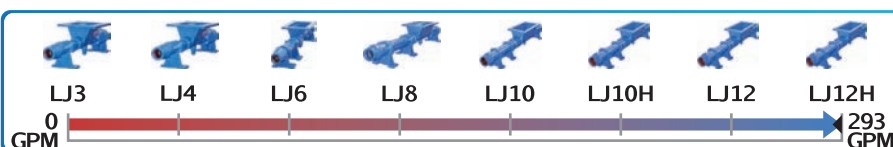
Single Stage



Double Stage

Please Click the Icon

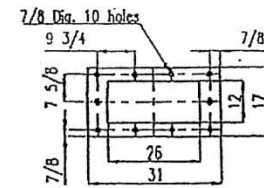
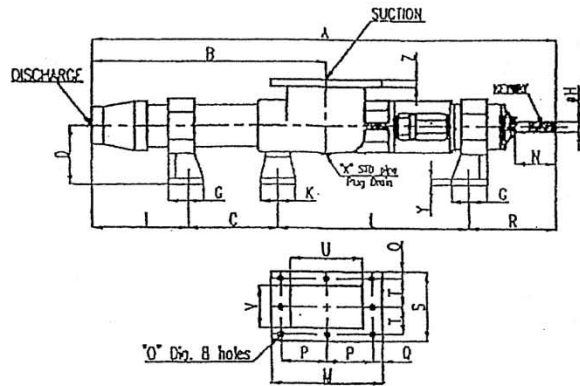
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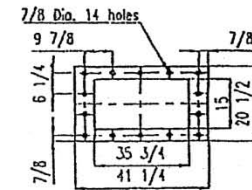
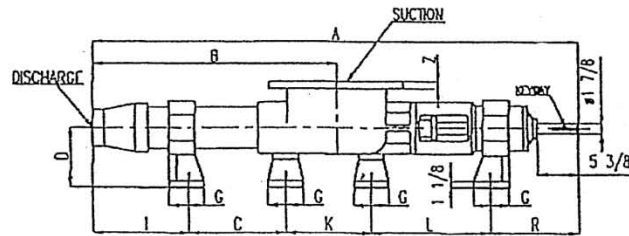
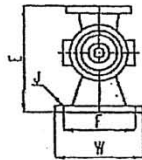
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## Justice Series Drawings

This diagram applies to frames 2J3, 2J4, 2J6, 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
2LJ12	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
2LJ12H	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 2LJ12H

RPM	100	200	300	400	500	600	
NPSH REQ'D	1.4	2.8	4.6	8.1	11.5	15.0	
MIN. HP	5	10	15	20	20	25	

