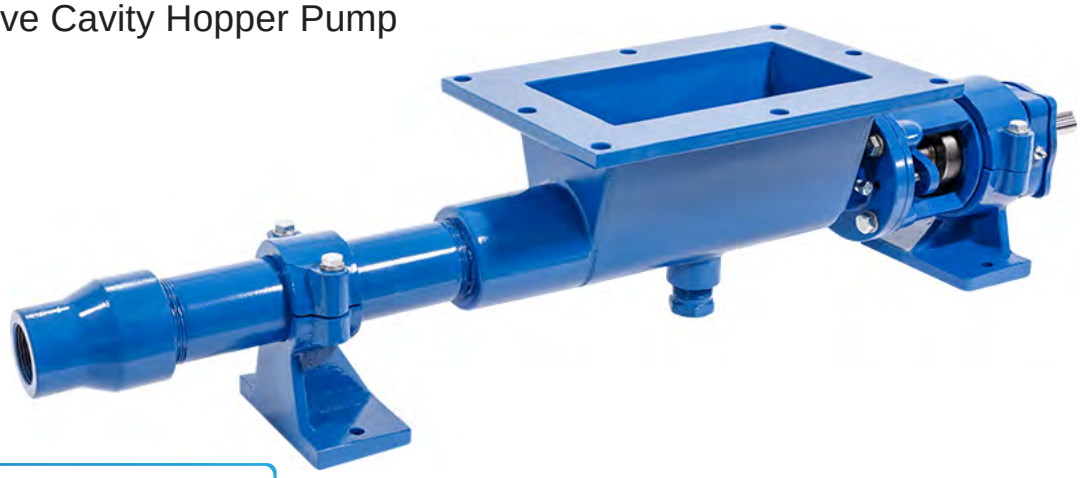
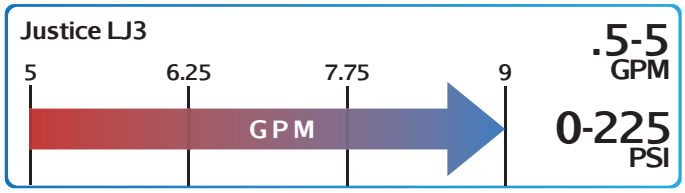
JUSTICE SERIES - LJ3

Progressive Cavity Hopper Pump





Features

- Large rectangular feed hopper
- Heavy-duty Welded Auger
- Hardened pinned-joint drive assembly
- Choice of Packing or Mechanical Seal
- 3-Stage Options are Available
- Choose between Steel or Stainless Steel

Materials

ROTORS: *Chrome Plated Tool Steel or Stainless Steel*

STATORS: *Buna / Viton® / EPDM / Rubber*

MOTOR: *Up to 2 HP*

INLET: *9.75" x 5"*

OUTLET: *1.25" NPTF*

BASES: *Steel and Stainless Steel*

Curves

Click Links Below

1-Stage	2-Stage	3-Stage
1LJ3	1LJ3	1LJ3

Drawings

Click Links Below

1-Stage	2-Stage	3-Stage
Coming Soon	Coming Soon	Coming Soon

Pump Description

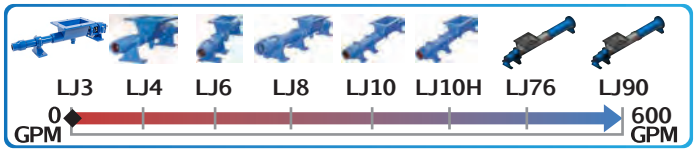
The Justice LJ3 Series Open Hopper Progressive Cavity Pump represents an ideal pumping solution for viscous solutions and those with high solids contents such as sludges and slurries, wine must, food waste, polymers, pulp and paper, brewing mash and mash-tun removal, and other low-flowability pumping mediums. Flow rates of 0.86 GPM per 100 Revolutions (0.5 GPM to 5 GPM) at up to 225 PSI Oil are standard. The Justice Series integrates a heavy-duty auger mated to a rotor and stator for challenging pumping applications today.

The Justice LJ3 offers a rectangular feed hopper which easily handles your pumping medium, while the non-pulsating design produces a low-shear flow that conveys your medium along effectively. Solids in suspension of up to 50% are accommodated by design.

The modular system of the LJ3 Justice Series Open Hopper Progressive Cavity Pump has a hardened pinned-joint drive assembly, available in either steel or stainless steel. The pump also includes internal wetted components in either stainless or hardened tool steel with hard chrome plating for durability and long-life in abrasive pumping applications.

The LJ3 Justice Series are available in 1, 2, and 3 stage rotor and stators for applications with 75, 150, and 225 PSI discharge pressures. The stators are available in Buna Nitrile, Viton, EPDM and Natural Rubber. Standard seal design is a set of packing with a lantern ring and flush connections. Mechanical Seal options are available as well.

Contact a Liberty Process representative today for more information about the Justice Series for pumping viscous solutions. Liberty Justice Series LJ3 Progressive Cavity Pump Parts are also available.



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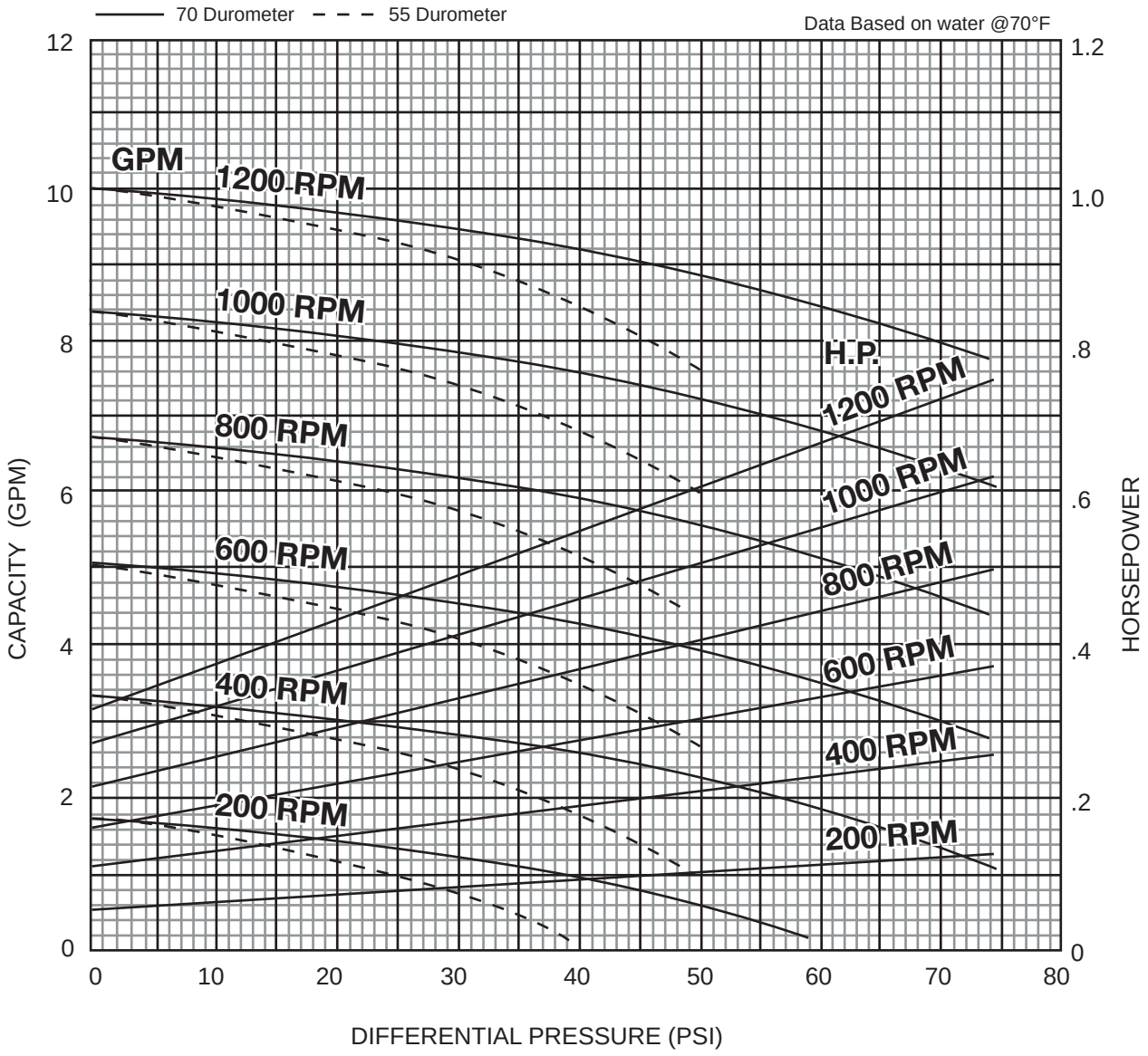
JUSTICE SERIES - ILJ3

Progressive Cavity Pump

Performance Curves

RPM	200	400	600	800	1000	1200
NPSH REQ'D	.6	1.3	2	2.6	3.2	3.9
MIN. HP	1/4	1/3	1/3	1/2	3/4	3/4



1 Stage Pump

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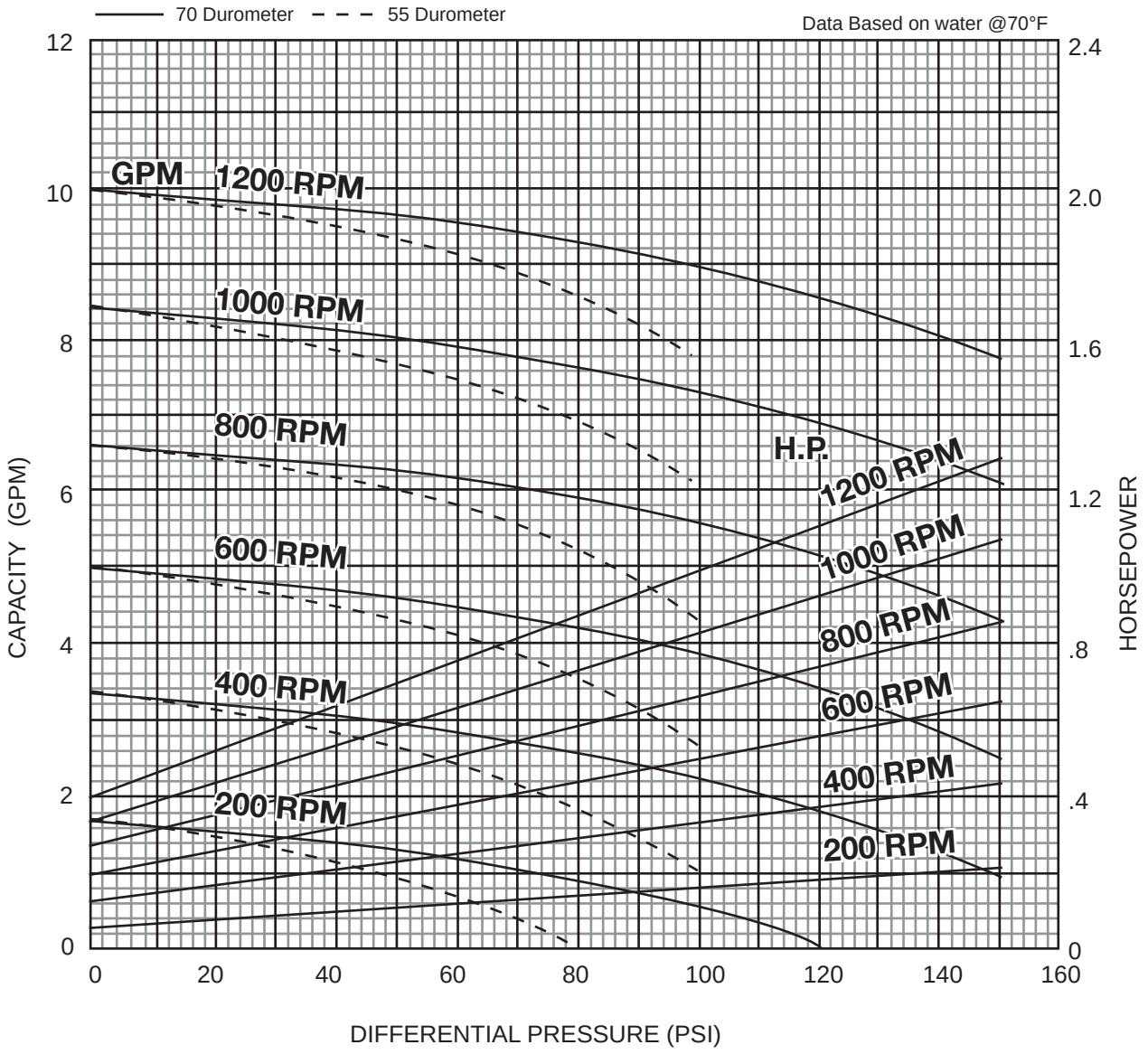
JUSTICE SERIES - 2LJ3

Progressive Cavity Pump

Performance Curves

RPM	200	400	600	800	1000	1200
NPSH REQ'D	.6	1.3	2	2.6	3.2	3.9
MIN. HP	1/4	1/3	1/2	3/4	1	1



2 Stage Pump

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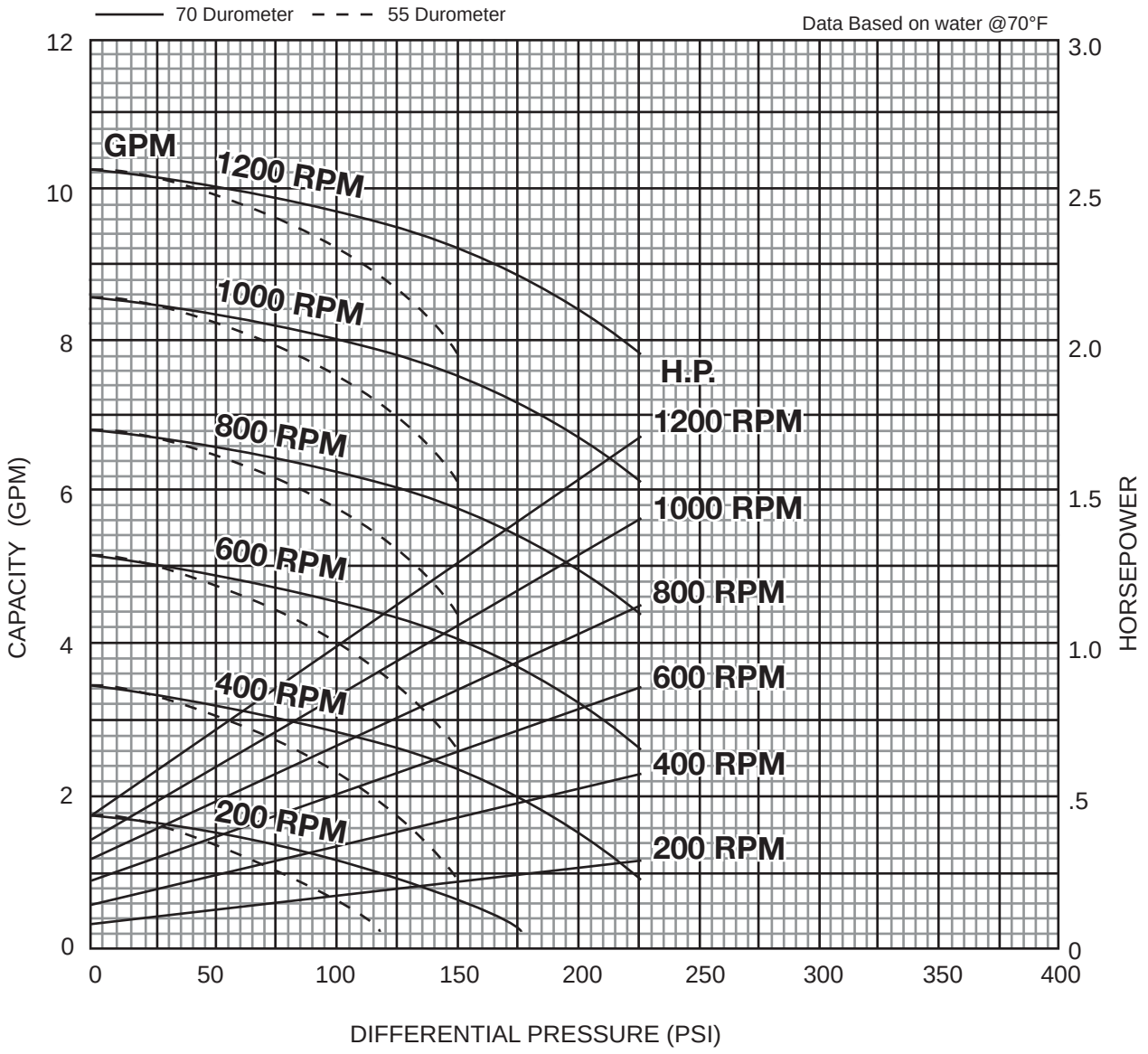
JUSTICE SERIES - 3LJ3

Progressive Cavity Pump

Performance Curves

RPM	200	400	600	800	1000	1200
NPSH REQ'D	.6	1.3	2	2.6	3.2	3.9
MIN. HP	1/3	1/2	3/4	3/4	1	1



3 Stage Pump

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