

### AVAILABLE MOUNTING CONFIGURATIONS

10NHPP-F12K FRAME MOUNT

### OPERATING LEVELS

<b>MIN FLOW</b>	525 GPM	119.24 m <sup>3</sup> /h
<b>MAX FLOW</b>	4250 GPM	965.28 m <sup>3</sup> /h
<b>DISCHARGE SIZE</b>	10"	254 mm
<b>SUCTION SIZE</b>	10"	254 mm
<b>SOLIDS HANDLING</b>	7.5"x12"	184mm x 305mm
<b>MAX SPEED</b>	810 RPM	810 RPM
<b>SHUT-OFF HEAD</b>	104'	31.7 m
<b>BEP HEAD</b>	50'	15.24 m
<b>BEP FLOW</b>	3200 GPM	726.80 m <sup>3</sup> /h
<b>BEP PERCENT</b>	70%	70%



A typical picture of the pump is shown. Please contact Gemstone Pump Company for further details. All information is approximate and for general guidance only.

PARTS	STANDARD MATERIAL (FOOD PUMPS)
<b>WEAR RING</b>	CAST IRON, ASTM A48
<b>IMPELLER</b>	DUCTILE IRON, ASTM A536
<b>VOLUTE</b>	DUCTILE IRON, ASTM A536
<b>SHAFT</b>	STRESSPROOF STEEL
<b>SHAFT SLEEVE</b>	316 STAINLESS STEEL
<b>SEAL HOUSING</b>	DUCTILE IRON, ASTM A536
<b>SEAL</b>	FOOD GRADE PACKING
<b>BEARING FRAME</b>	CAST IRON, ASTM A536

The 10NHPP pump is designed with Gemstone's renowned quality and durability. It features an 10" discharge and a 10" suction with an offset volute and enclosed, single-port impeller. Gemstone's patented Cycloseal® design is optional, with a Type 2 single mechanical seal with Buna-N elastomers, stainless steel hardware and tungsten carbide vs. silicon carbide seal faces for abrasion resistance. Also available with food-grade packing. Bearings are heavy-duty, oil or grease lubricated, deep groove ball bearings with a minimum of 50,000 hours bearing life.

- Offset Volute Design, passes food through the center of discharge without contacting the volute wall
- Single port impeller for handling whole or processed foods
- Available with Food grade packing (Standard) or Cycloseal
- Standard with Ductile iron wet end and a 304SS impeller
- Optional Run-Dry lubrication system



AGRICULTURE



FOOD



INDUSTRIAL



MINING



MUNICIPAL



OIL & GAS



REFRIGERATION



RENTAL



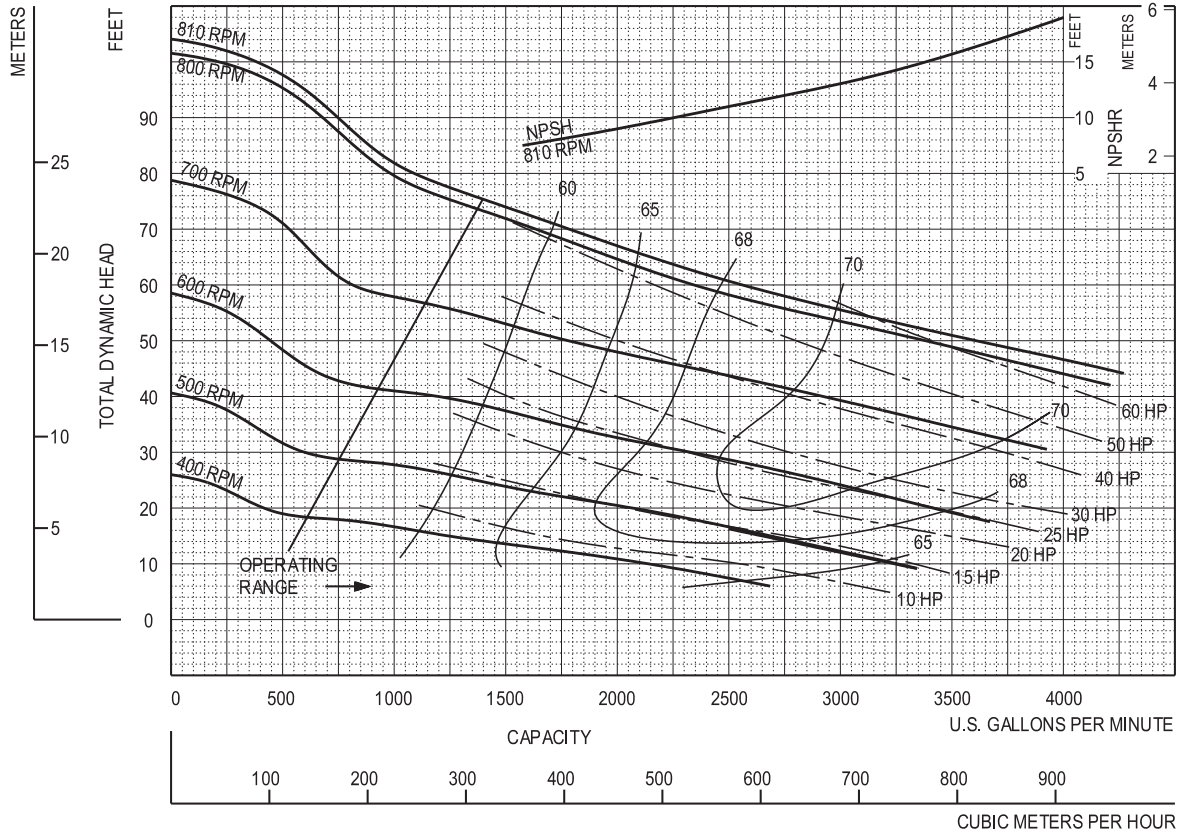
# 10NHPP

Feet x .305 = Meters  
 Inches x 25.4 = Millimeters  
 GPM x .227 = Cubic Meters/Hour  
 GPM x 3.785 = Liters/Minute  
 HP x .746 = KW

Speed	Impeller Dia.	Style	Solids Dia.	N <sub>S</sub>	Suction	Discharge	No. vanes
VARIOUS	21"	ENCLOSED	7.25x12"	2600	10"	10"	1

SINGLE VOLUTE

MOUNTING CONFIG.: F



Performances shown are for cool water, close-coupled electric configuration with Cyclo seal.® Other mounting configurations, seal arrangements or liquids may require horsepower and/or performance adjustments.

5/21/14

Gemstone Pump Company

10NHPP- VARIOUS RPM

SUPERSEDES: 6/21/10

10NHPPVA