

12NHPP



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.

AVAILABLE MOUNTING CONFIGURATIONS

12NHPP-F12K FRAME MOUNT

OPERATING LEVELS

MIN FLOW	1000 GPM	227.12 m ³ /h
MAX FLOW	8200 GPM	1862.42 m ³ /h
DISCHARGE SIZE	12"	304.8 mm
SUCTION SIZE	12"	304.8 mm
SOLIDS HANDLING	8.75"x14"	222.25mm x 355.6mm
MAX SPEED	1000 RPM	1000 RPM
SHUT-OFF HEAD	165'	50.29 m
BEP HEAD	80'	24.38 m
BEP FLOW	6000 GPM	1362.74 m ³ /h
BEP PERCENT	74%	74%

PARTS	STANDARD MATERIAL (FOOD PUMPS)
WEAR RING	CAST IRON, ASTM A48
IMPELLER	304 STAINLESS STEEL
VOLUTE	DUCTILE IRON, ASTM A536
SHAFT	STRESSPROOF STEEL
SHAFT SLEEVE	316 STAINLESS STEEL
SEAL HOUSING	DUCTILE IRON, ASTM A536
SEAL	FOOD GRADE PACKING
BEARING FRAME	CAST IRON, ASTM A536

The 12NHPP pump is designed with Gemstone's renowned quality and durability. It features a 12" discharge and a 12" 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





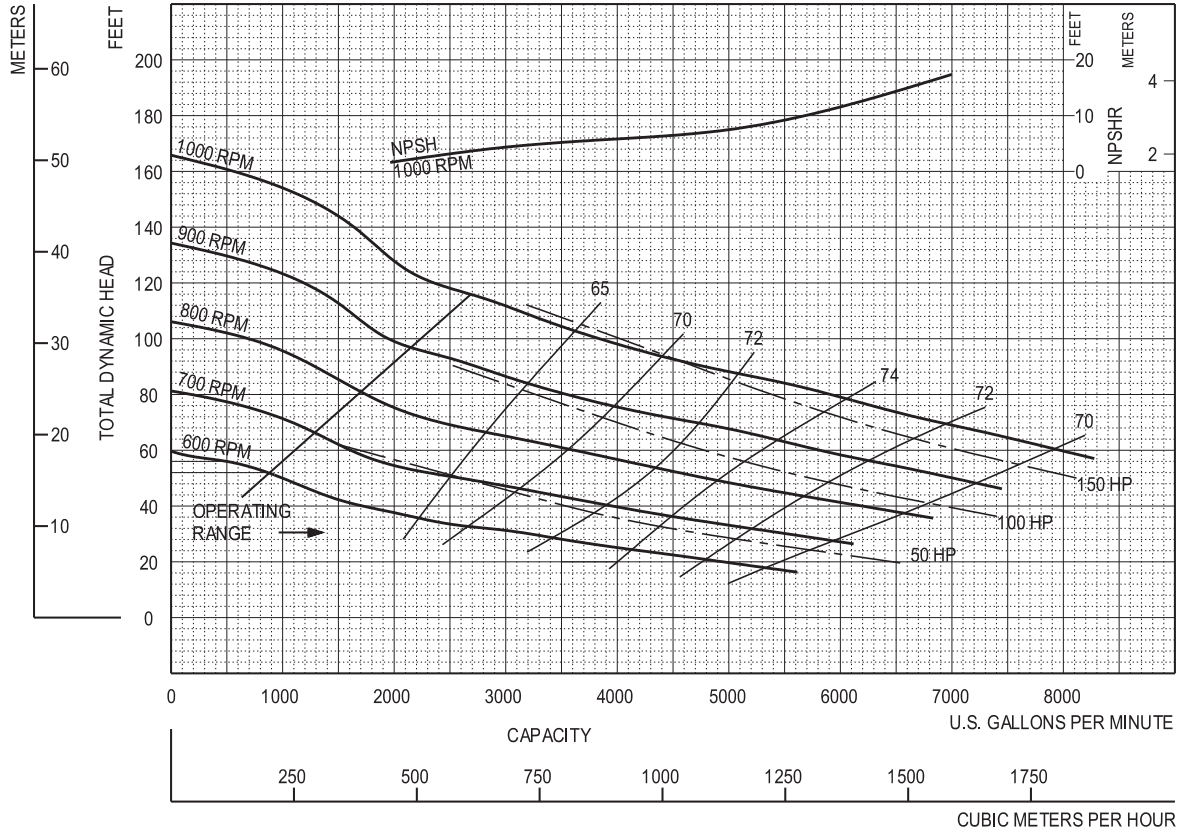
12NHPP

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 _S	Suction	Discharge	No. vanes
VARIOUS	21.5"	ENCLOSED	8.75x14"	2900	12	12	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.

SUPERSEDES: 8/04/10

12NHPPVA

5/21/14

Gestone Pump Company

12NHPP - VARIOUS RPM