



# 8NHPP

## AVAILABLE MOUNTING CONFIGURATIONS

8NHPP-F18K FRAME MOUNT

## OPERATING LEVELS

<b>MIN FLOW</b>	525 GPM	119.24 m <sup>3</sup> /h
<b>MAX FLOW</b>	1600 GPM	363.40 m <sup>3</sup> /h
<b>DISCHARGE SIZE</b>	8"	200 mm
<b>SUCTION SIZE</b>	8"	200 mm
<b>SOLIDS HANDLING</b>	5"x9"	127mm x 228.6mm
<b>MAX SPEED</b>	950 RPM	950 RPM
<b>SHUT-OFF HEAD</b>	86'	26.21 m
<b>BEP HEAD</b>	47'	14.3 m
<b>BEP FLOW</b>	1400 GPM	317.97 m <sup>3</sup> /h
<b>BEP PERCENT</b>	65%	65%



A typical picture of the pump is shown. Please contact Cornell 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>	304 STAINLESS STEEL
<b>VOLUTE</b>	DUCTILE IRON, ASTM A536
<b>SHAFT</b>	STRESSPROOF STEEL
<b>SHAFT SLEEVE</b>	303 STAINLESS STEEL
<b>SEAL HOUSING</b>	DUCTILE IRON, ASTM A536
<b>SEAL</b>	FOOD GRADE PACKING
<b>BEARING FRAME</b>	CAST IRON, ASTM A48

The 8NHPP pump is designed with Cornell's renowned quality and durability. It features an 8" discharge and a 8" suction with an offset volute and enclosed, single-port impeller. Cornell'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 &amp; GAS



REFRIGERATION



RENTAL

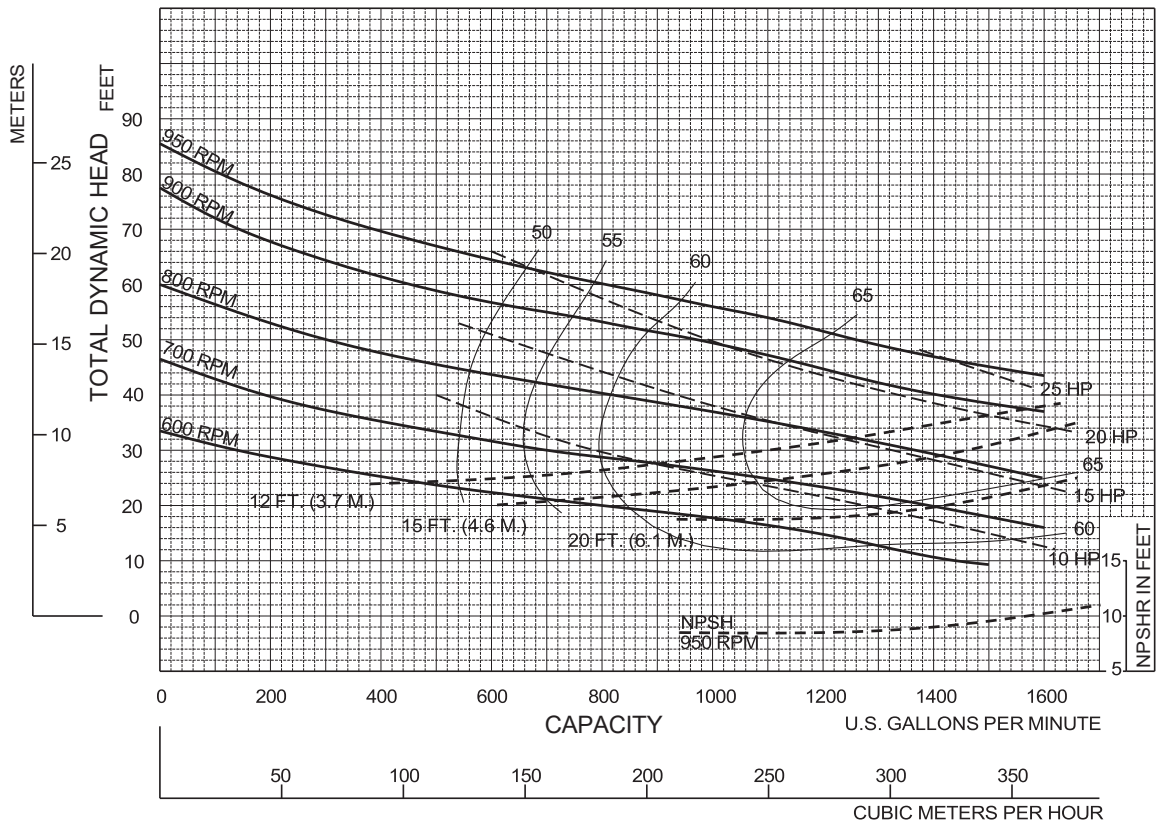
8NHPP



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	16.38"	ENCLOSED	5"x9"	2100	8"	8"	1

SINGLE VOLUTE MOUNTING CONFIG.: CC, VM, F, VF, EM, VC



Performances shown are for cool water, close-coupled electric configuration with Cyclo Seal.<sup>TM</sup> Other mounting styles or liquids may require horsepower and/or performance adjustments.



Cornell Pump Company • Portland, Oregon

8NHPP - VARIOUS RPM

NEW PAGE

8NHPP/A

699