

# 16NHG22



### AVAILABLE MOUNTING CONFIGURATIONS

- 16NHG22-RP-F REDI-PRIME FRAME MOUNT
- 16NHG22-F FRAME MOUNT
- 16NHG22-VF VERTICAL FRAME MOUNT
- 16NHG22-VC VERTICAL COUPLED

### OPERATING LEVELS

<b>MIN FLOW</b>	2750 GPM	624.6 m <sup>3</sup> /h
<b>MAX FLOW</b>	17750 GPM	4031.5 m <sup>3</sup> /h
<b>DISCHARGE SIZE</b>	16"	406.4 mm
<b>SUCTION SIZE</b>	16"	406.4 mm
<b>SOLIDS HANDLING</b>	4.5"	114.3 mm
<b>MAX SPEED</b>	1200 RPM	1200 RPM
<b>SHUT-OFF HEAD</b>	235'	71.6 m
<b>BEP HEAD</b>	145'	44.2 m
<b>BEP FLOW</b>	12500 GPM	2839.1 m <sup>3</sup> /h
<b>BEP PERCENT</b>	85%	85%



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.

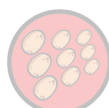
PARTS	STANDARD MATERIAL (ALL IRON)
<b>WEAR RING</b>	CAST IRON
<b>IMPELLER</b>	CA6NM
<b>VOLUTE</b>	DUCTILE IRON
<b>SHAFT</b>	4140/4142 SS
<b>SUCTION COVER</b>	CAST IRON
<b>MECHANICAL SEAL</b>	JOHN CRANE TYPE 2
<b>BACKPLATE</b>	DUCTILE IRON
<b>BEARING FRAME</b>	CAST IRON

The 16NHG22 pump is designed with Cornell's renowned quality and durability. It features a 16" discharge, 16" suction, and enclosed 3-vane impeller. Cornell's patented Cycloseal® design is standard, with a Type 2 single mechanical seal with Viton elastomers, stainless steel hardware and tungsten carbide vs. silicon carbide seal faces for abrasion resistance.

- CA6NM Impeller is corrosion-resistant and abrasion-resistant
- Enclosed impeller for higher efficiency
- Heavy duty construction
- Heavy-duty bearing frame
- Industry-leading efficiencies
- Ideal for clear water and wastewater applications
- Oversized shaft and bearings
- Patented Cycloseal design



AGRICULTURE



FOOD



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REFRIGERATION



RENTAL

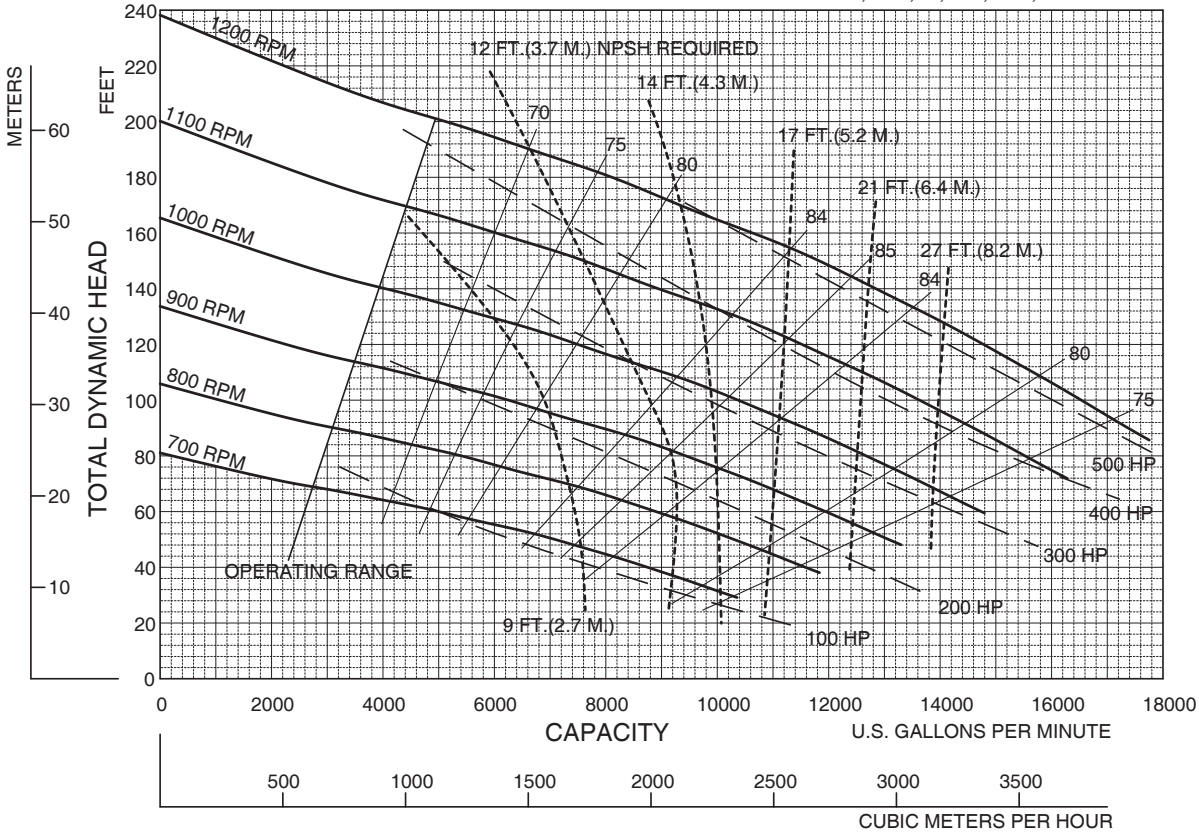
# 16NHG22



Speed	Impeller Dia.	Style	Solids Dia.	N <sub>S</sub>	Suction	Discharge	No. vanes
VARIOUS	22"	ENCLOSED	4.5"	3300	16"	16"	3

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

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



Performances shown are for cool water, horizontal frame configuration with Cyclo Seal. Other mounting styles or liquids may require horsepower and/or performance adjustments.

SUPERCEDES 2/15/00

16NHG22VA

9/25/00



Cornell Pump Company • Portland, Oregon

16NHG22 - VARIOUS RPM