

# 20NHF

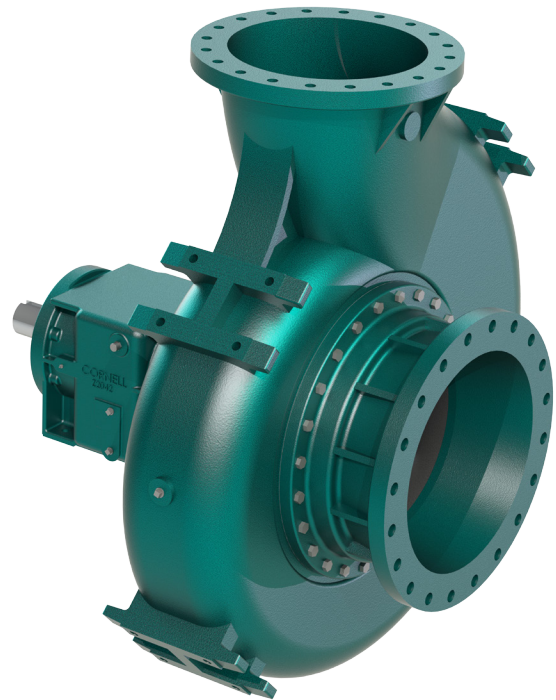


### AVAILABLE MOUNTING CONFIGURATIONS

- 20NHF-F FRAME MOUNT
- 20NHF-RP-F REDI-PRIME FRAME MOUNT
- 20NHF-EM ENGINE MOUNT
- 20NHF-RP-EM REDI-PRIME ENGINE MOUNT
- 20NHF-VF VERTICAL FRAME MOUNT
- 20NHF-VC VERTICAL COUPLED

### OPERATING LEVELS

<b>MIN FLOW</b>	5000 GPM	1136 m <sup>3</sup> /h
<b>MAX FLOW</b>	24000 GPM	5451 m <sup>3</sup> /h
<b>DISCHARGE SIZE</b>	20"	508 mm
<b>SUCTION SIZE</b>	24"	610 mm
<b>SOLIDS HANDLING</b>	5"	127 mm
<b>MAX SPEED</b>	750 RPM	750 RPM
<b>SHUT-OFF HEAD</b>	136'	41.5 m
<b>BEP HEAD</b>	91.8'	28 m
<b>BEP FLOW</b>	17000 GPM	3861 m <sup>3</sup> /h
<b>BEP PERCENT</b>	86%	86%



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.

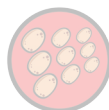
PARTS	STANDARD MATERIAL (ALL IRON)
<b>WEAR RING</b>	CAST IRON
<b>IMPELLER</b>	DUCTILE IRON
<b>VOLUTE</b>	DUCTILE IRON
<b>SHAFT</b>	4140/42 BD
<b>SHAFT SLEEVE</b>	416 SS
<b>SUCTION COVER</b>	DUCTILE IRON
<b>MECHANICAL SEAL</b>	TYPE 2 TUNGSTEN CARBIDE VS. SILICON CARBIDE
<b>BEARING FRAME</b>	CAST IRON

The 20NHF pump is designed with Cornell's renowned quality and durability. It features an 20" discharge, 24" suction, and enclosed impeller. Cornell's patented Cycloseal<sup>®</sup> 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. It utilizes either an F12 or F20 bearing frame.

- Handles solids up to 5"
- Patented Cycloseal design
- Heavy-duty bearing frame
- Redi-Prime<sup>®</sup> available for fully-automatic continuous priming
- Long Bearing life



AGRICULTURE



FOOD



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MINING



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OIL & GAS



REFRIGERATION



RENTAL

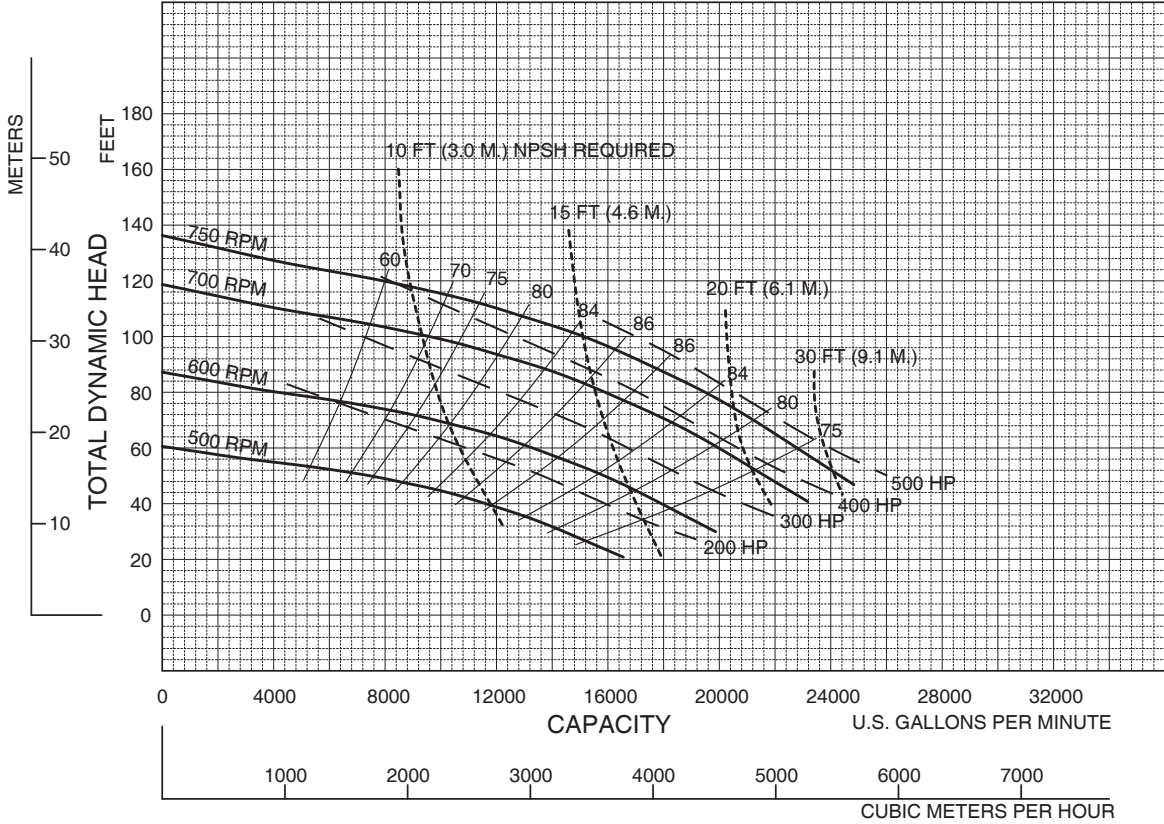
# 20NHF



Speed	Impeller Dia.	Style	Solids Dia.	N <sub>s</sub>	Suction	Discharge	No. vanes
VARIOUS	28"	ENCLOSED	5.0"	4000	24"	20"	4

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, close-coupled electric configuration with packing. Other mounting configurations, seal arrangements or liquids may require horsepower and/or performance adjustments.

SUPERSEDES 9/28/00

20NHFVA

10/11/07



Cornell Pump Company • Portland, Oregon

20NHF - VARIOUS RPM