DATA SHEET

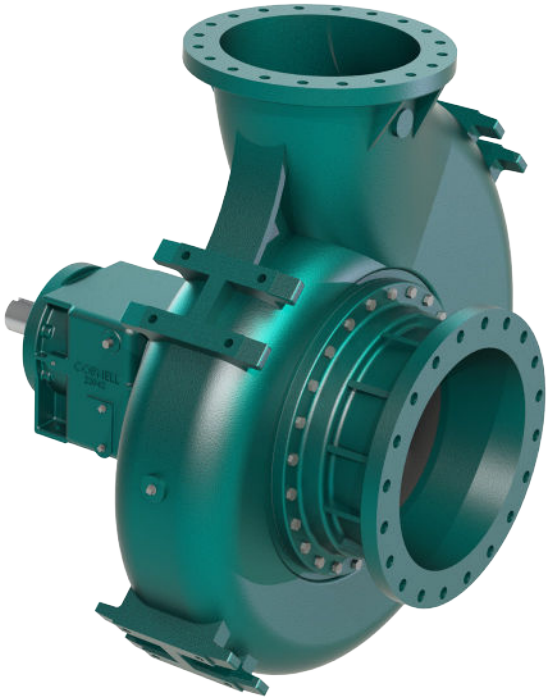
20NHF

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

MIN FLOW	5000 GPM	1136 m^3/h
MAX FLOW	24000 GPM	5451 m^3/h
DISCHARGE SIZE	20"	508 mm
SUCTION SIZE	24"	610 mm
SOLIDS HANDLING	5"	127 mm
MAX SPEED	750 RPM	750 RPM
SHUT-OFF HEAD	136'	41.5 m
BEP HEAD	91.8'	28 m
BEP FLOW	17000 GPM	3861 m^3/h
BEP PERCENT	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)
WEAR RING	CAST IRON
IMPELLER	DUCTILE IRON
VOLUTE	DUCTILE IRON
SHAFT	4140/42 BD
SHAFT SLEEVE	416 SS
SUCTION COVER	DUCTILE IRON
MECHANICAL SEAL	TYPE 2 TUNGSTEN CARBIDE VS. SILICON CARBIDE
BEARING FRAME	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® 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"
- Heavy-duty bearing frame
- Long Bearing life
- Patented Cycloseal design
- Redi-Prime® available for fully-automatic continuous priming

AGRICULTURE FOOD INDUSTRIAL MINING MUNICIPAL OIL & GAS REFRIGERATION RENTAL

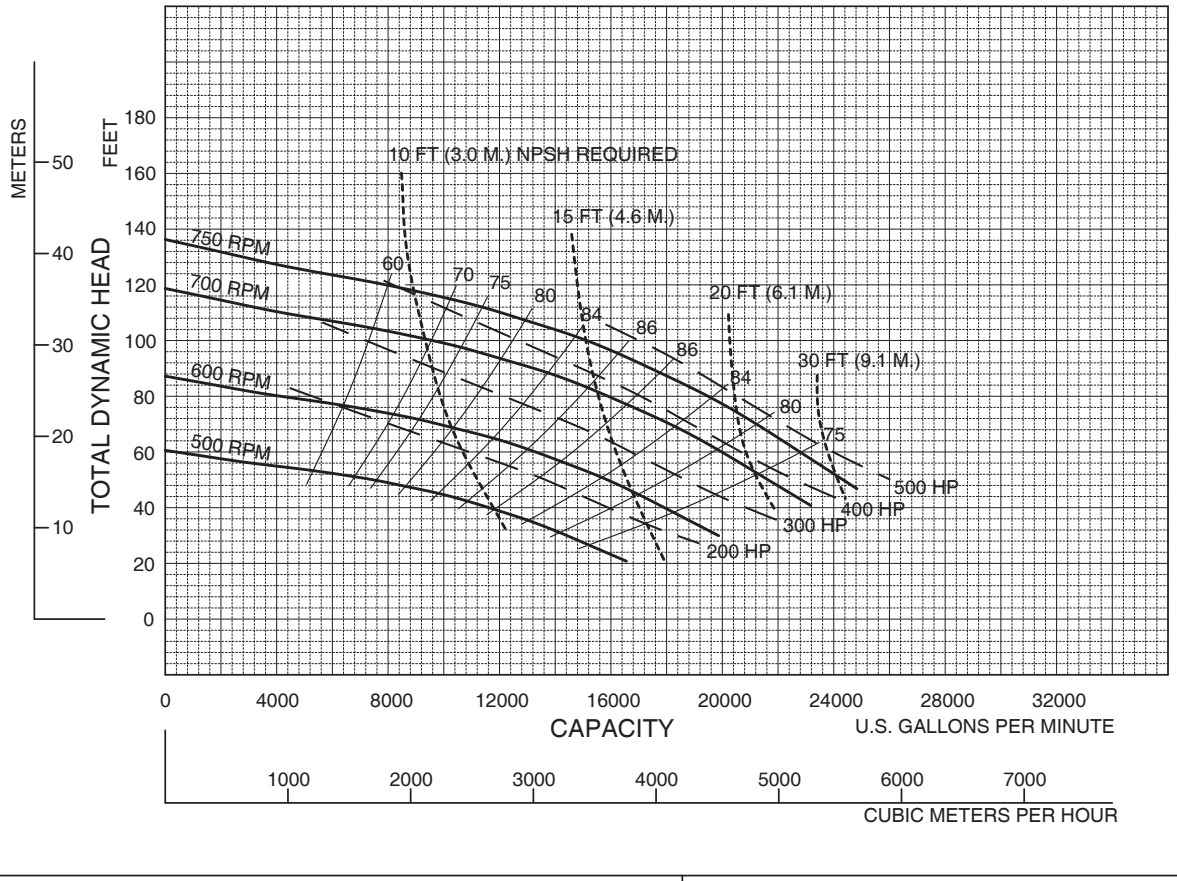
20NHF

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	28"	ENCLOSED	5.0"	4000	24"	20"	4

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.

10/11/07

SUPERSEDES 9/28/00

20NHFVA

CORNELL Efficient by Design

Cornell Pump Company • Portland, Oregon

20NHF - VARIOUS RPM

DS8STL-140826-P