



14NHGH



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.

AVAILABLE MOUNTING CONFIGURATIONS

- 14NHGH-RP-F REDI-PRIME FRAME MOUNT
- 14NHGH-F FRAME MOUNT
- 14NHGH-RP-EM REDI-PRIME ENGINE MOUNT
- 14NHGH-EM ENGINE MOUNT
- 14NHGH-VF VERTICAL FRAME MOUNT
- 14NHGH-VC VERTICAL COUPLED

OPERATING LEVELS

MIN FLOW	2000 GPM	454 m ³ /h
MAX FLOW	13800 GPM	3134 m ³ /h
DISCHARGE SIZE	14"	356 mm
SUCTION SIZE	14"	356 mm
SOLIDS HANDLING	4.25"	108 mm
MAX SPEED	1200 RPM	1200 RPM
SHUT-OFF HEAD	178'	56 m
BEP HEAD	112'	34 m
BEP FLOW	10000 GPM	2271 m ³ /h
BEP PERCENT	83%	83%

PARTS	STANDARD MATERIAL (ALL IRON)
WEAR RING	CAST IRON
IMPELLER	DUCTILE IRON
VOLUTE	DUCTILE IRON
SHAFT	4140/42 BD
SHAFT SLEEVE	416 STAINLESS STEEL
SUCTION COVER	DUCTILE IRON
MECHANICAL SEAL	TYPE 2 TUNGSTEN CARBIDE X SILICON CARBIDE
BEARING FRAME	CAST IRON

The 14NHGH pump is designed with Cornell's renowned quality and durability. It features a 14" discharge, 14" suction, tangential or centerline volute, 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.

- Industry-leading efficiencies
- Heavy duty construction
- Large solids handling capability
- Back pull-out design
- Replaceable suction wear ring and shaft sleeve
- Ideal for clear water and wastewater applications



AGRICULTURE



FOOD



INDUSTRIAL



MINING



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OIL & GAS



REFRIGERATION



RENTAL

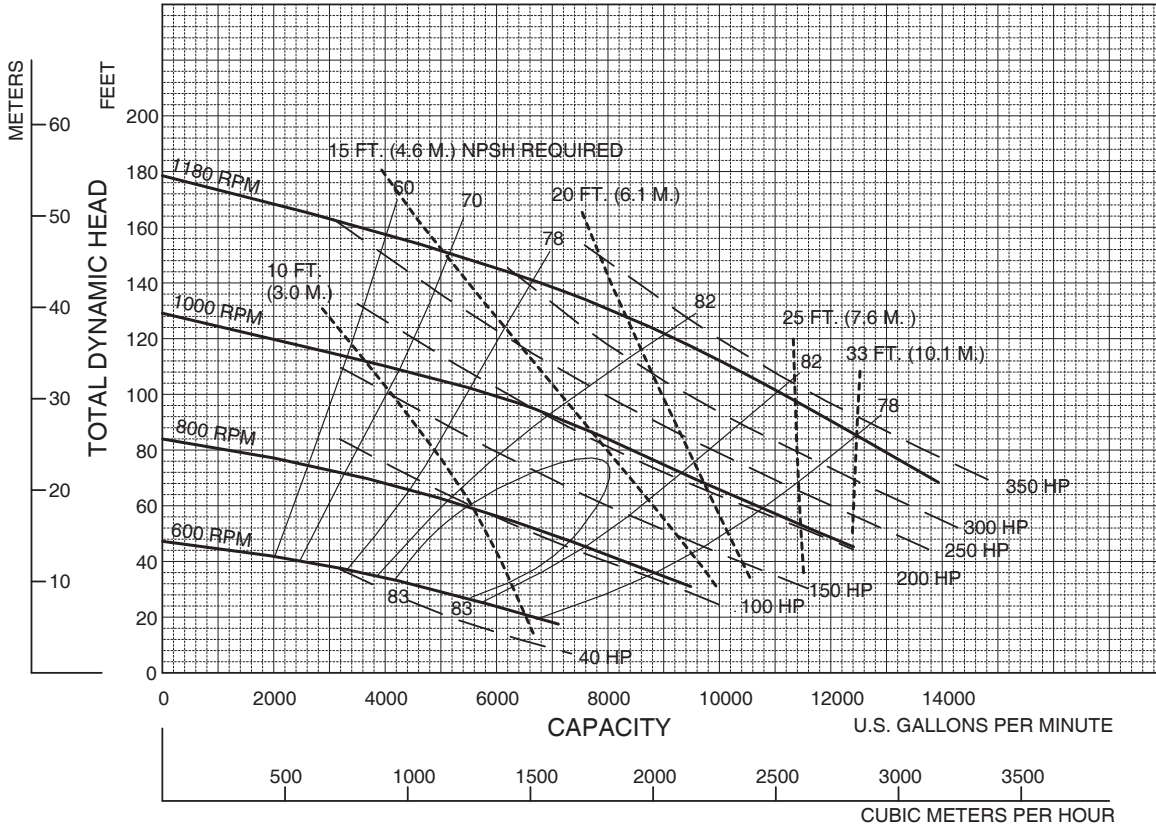
14NHGH



Speed	Impeller Dia.	Style	Solids Dia.	N _S	Suction	Discharge	No. vanes
VARIOUS	19.5-0°	ENCLOSED	4.25"	3450	14"	14"	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, close-coupled electric configuration with packing. Other mounting styles or liquids may require horsepower and/or performance adjustments.

NEW PAGE

14NHGHVA

5/99



Cornell Pump Company • Portland, Oregon

14NHGH - VARIOUS SPEED