



# AQUARIUS PUMP COMPANY

## 14NHGH

### 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 <sup>3</sup> /h
MAX FLOW	13800 GPM	3134 m <sup>3</sup> /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 <sup>3</sup> /h
BEP PERCENT	83%	83%



A typical picture of the pump is shown. Please contact Aquarius 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 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 Aquarius's renowned quality and durability. It features a 14" discharge, 14" suction, tangential or centerline volute, and enclosed impeller. Aquarius'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
- Large solids handling capability
- Replaceable suction wear ring and shaft sleeve
- Heavy duty construction
- Back pull-out design
- Ideal for clear water and wastewater applications



AGRICULTURE



FOOD



INDUSTRIAL



MINING



MUNICIPAL



OIL & GAS



REFRIGERATION



RENTAL



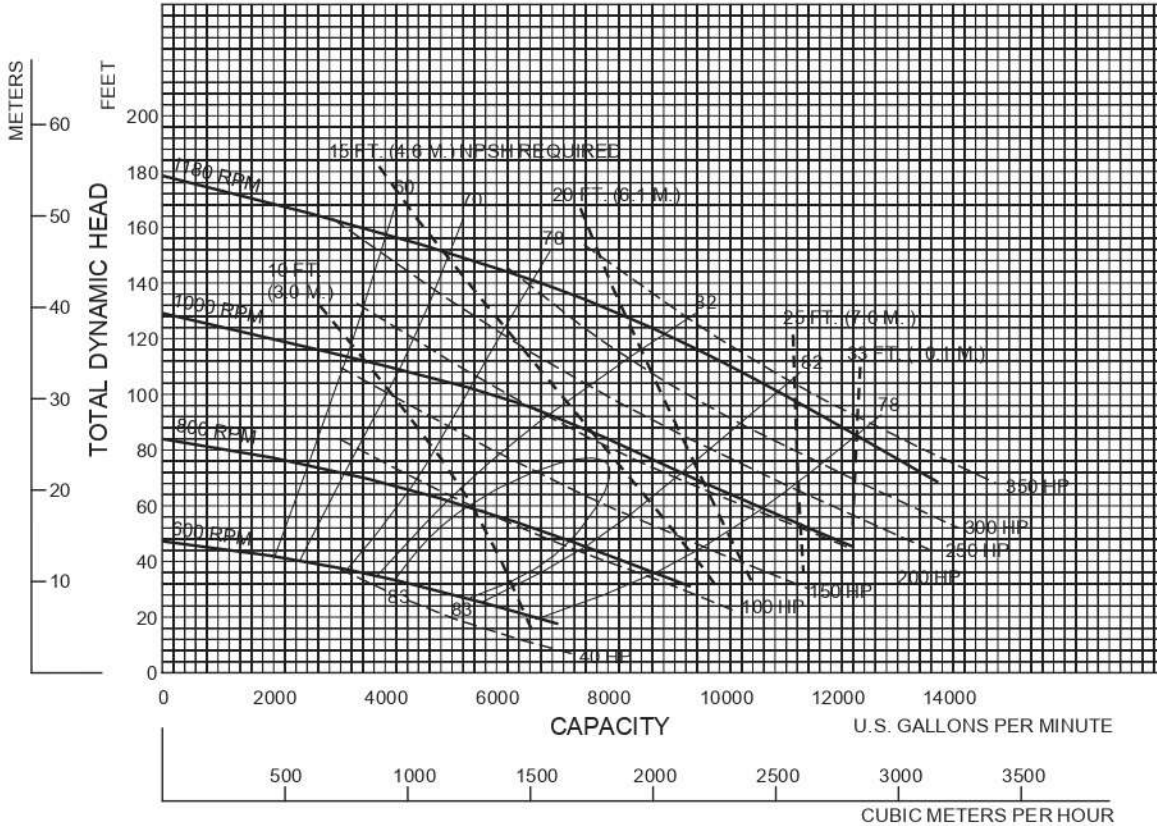
# AQUARIUS PUMP COMPANY

## 14NHGH

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	19.5-0°	ENCLOSED	4.25"	3450	14"	14"	3

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



Aquarius Pump Company

14NHGH - VARIOUS SPEED