



AQUARIUS PUMP COMPANY

4HC

AVAILABLE MOUNTING CONFIGURATIONS

4HC-RP-F REDI-PRIME FRAME MOUNT
 4HC-F FRAME MOUNT
 4HC-RP-EM REDI-PRIME ENGINE MOUNT
 4HC-EM ENGINE MOUNT
 4HC-VF VERTICAL FRAME MOUNT
 4HC-VC VERTICAL COUPLED
 4HC-CC CLOSE COUPLED

OPERATING LEVELS

MIN FLOW	165 GPM	37.5 m ³ /h
MAX FLOW	1680 GPM	381.6 m ³ /h
DISCHARGE SIZE	4"	101.6 mm
SUCTION SIZE	8"	203.2 mm
SOLIDS HANDLING	.6"	15.7 mm
MAX SPEED	2100 RPM	2100 RPM
SHUT-OFF HEAD	430'	131 m
BEP HEAD	400'	122 m
BEP FLOW	1540 GPM	350 m ³ /h
BEP PERCENT	74%	74%



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	CAST IRON
VOLUTE	CAST IRON
SHAFT	STRESSPROOF STEEL
SHAFT SLEEVE	STAINLESS
BACKPLATE	CAST IRON
BEARING FRAME	CAST IRON - F16,F18

The 4HC pump is designed with Aquarius's renowned quality and durability. It features a 4" discharge, 8" suction, and enclosed impeller. Available in All Iron or CD4MCu materials. Aquarius's patented Cycloseal[®] design is standard, with a Type 2 single mechanical seal with Buna-N or Viton elastomers, stainless steel hardware and tungsten carbide vs. silicon carbide seal faces for abrasion resistance.

- Enclosed impeller for higher efficiency
- Excellent NPSHr
- Heavy duty construction
- Industry-leading efficiencies
- Patented Cycloseal design



AGRICULTURE



FOOD



INDUSTRIAL



MINING



MUNICIPAL



OIL & GAS



REFRIGERATION



RENTAL



AQUARIUS PUMP COMPANY

4HC

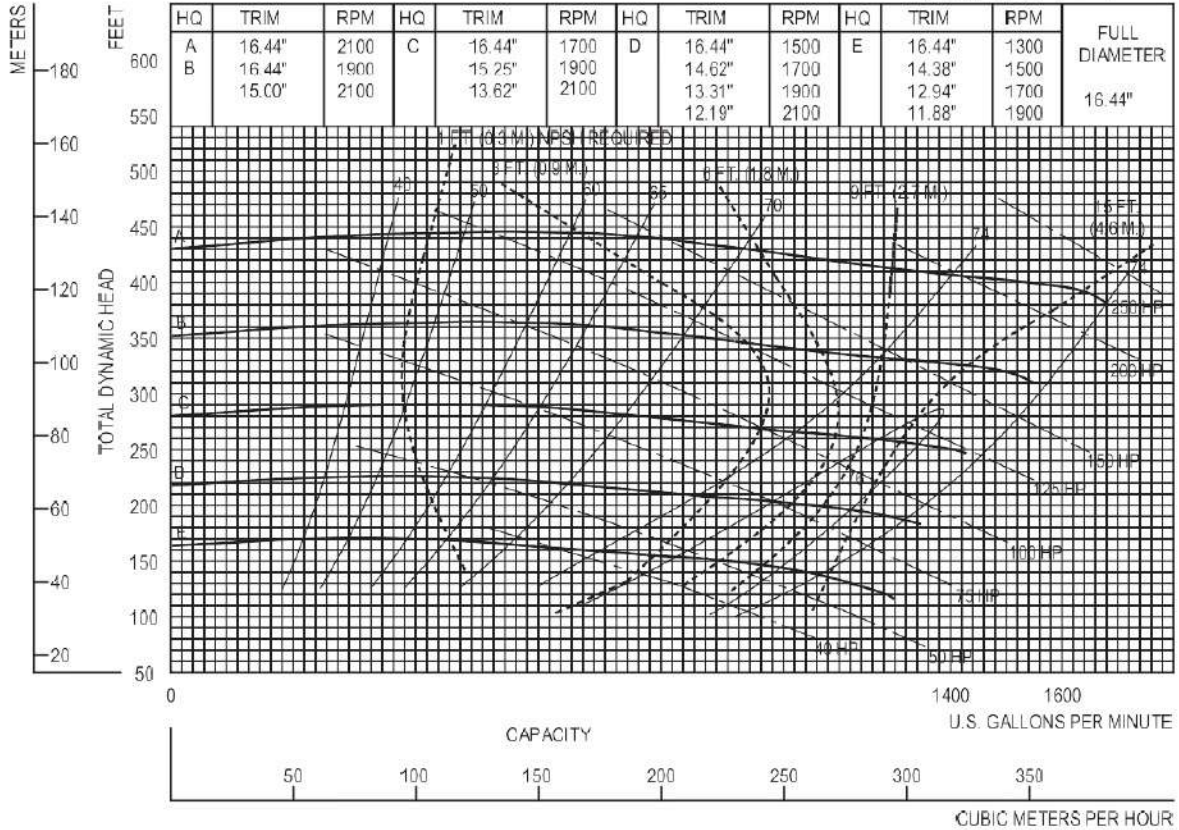
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Feet x .305 = Meters
 Inches x 25.4 = Millimeters
 GPM x .227 = Cubic Meters/Hour
 GPM x 3.785 = Liters/Minute
 HP x .746 = KW

Speed	Impeller Dia	Style	Solids Dia	N _S	Suction	Discharge	No. vanes
VARIOUS	VARIOUS	ENCLOSED	.62"	960	8"	4"	5

SINGLE VOLUTE

MOUNTING CONFIG: CC, VM, F, VF, EM, VC



Performances shown are for cool water, close-coupled electric configuration with Cyclopaal®. Other mounting configurations, seal arrangements or liquids may require horsepower and/or performance adjustments.

4HCVA

11/15/10



Aquarius Pump Company

4HC VARIOUS RPM