



AQUARIUS PUMP COMPANY

18NHFL

AVAILABLE MOUNTING CONFIGURATIONS

18NHFL-F FRAME MOUNT
 18NHFL-RP-F REDI-PRIME FRAME MOUNT
 18NHFL-VF VERTICAL FRAME MOUNT
 18NHFL-VC VERTICAL COUPLED

OPERATING LEVELS

| | | |
|-----------------|-----------|--------------------------|
| MIN FLOW | 3000 GPM | 681.4 m ³ /h |
| MAX FLOW | 23000 GPM | 5223.9 m ³ /h |
| DISCHARGE SIZE | 18" | 457.2 mm |
| SUCTION SIZE | 20" | 508 mm |
| SOLIDS HANDLING | 5" | 127 mm |
| MAX SPEED | 890 RPM | 890 RPM |
| SHUT-OFF HEAD | 189' | 57.6 m |
| BEP HEAD | 128' | 39.0 m |
| BEP FLOW | 15347 GPM | 3485.7 m ³ /h |
| BEP PERCENT | 87% | 87% |



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 SS |
| SUCTION COVER | DUCTILE IRON |
| MECHANICAL SEAL | TUNGSTEN CARBIDE VS. SILICON CARBIDE |
| BEARING FRAME | CAST IRON |

The 18NHFL pump is designed with Aquarius's renowned quality and durability. It features an 18" discharge, 20" suction, F12 bearing frame and enclosed 4-vane 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.

- Excellent efficiencies
- Heavy-duty F12 bearing frame
- Patented Cycloseal design
- Heavy duty construction
- RunDry™ option (Indefinite run dry capability)
- Redi-Prime® available for fully-automatic continuous priming



AGRICULTURE



FOOD



INDUSTRIAL



MINING



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OIL & GAS



REFRIGERATION



RENTAL



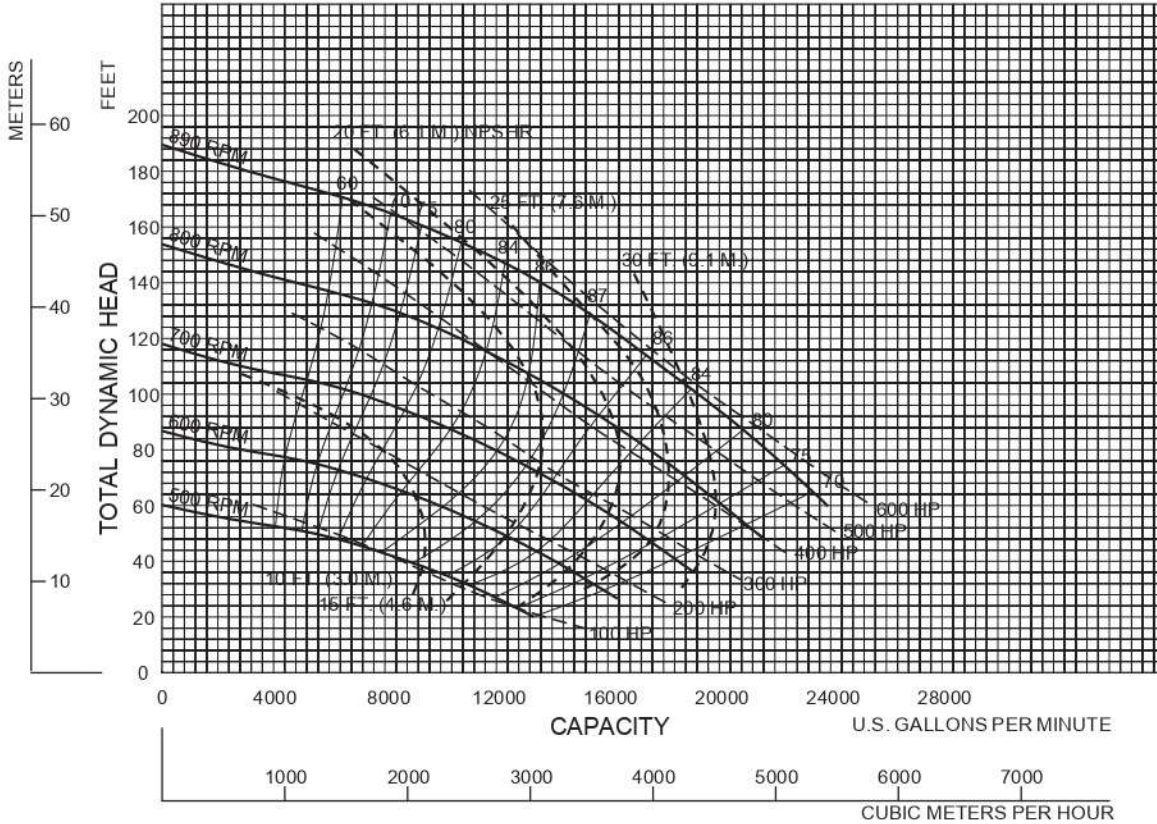
AQUARIUS PUMP COMPANY

18NHFL

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 | 26.5" | ENCLOSED | 5.0" | 2890 | 20" | 18" | 4 |

SINGLE VOLUTE MOUNTING CONFIG.: F, VF, VC



Performances shown are for cool water, frame mounted configuration with packing. Other liquids, mounting configurations, or seal arrangements may require horsepower and/or performance adjustments.

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NEW PAGE

18NHFLVA



Aquarius Pump Company

18NHFL - VARIOUS RPM