



# AQUARIUS PUMP COMPANY

## 12NNT

### AVAILABLE MOUNTING CONFIGURATIONS

12NNT-F FRAME MOUNT  
 12NNT-RP-F REDI-PRIME FRAME MOUNT  
 12NNT-EM ENGINE MOUNT  
 12NNT-RP-EM REDI-PRIME ENGINE MOUNT  
 12NNT-VF VERTICAL FRAME MOUNT  
 12NNT-VC VERTICAL COUPLED  
 12NNT-HS HYDRAULIC SUBMERSIBLE

### OPERATING LEVELS

MIN FLOW	1500 GPM	340.7 m <sup>3</sup> /h
MAX FLOW	6300 GPM	1430.9 m <sup>3</sup> /h
DISCHARGE SIZE	12"	304.8 mm
SUCTION SIZE	10"	254 mm
SOLIDS HANDLING	4"	101.6 mm
MAX SPEED	1900 RPM	1900 RPM
SHUT-OFF HEAD	225'	68.6 m
BEP HEAD	127'	38.7 m
BEP FLOW	5000 GPM	1135.6 m <sup>3</sup> /h
BEP PERCENT	80%	80%

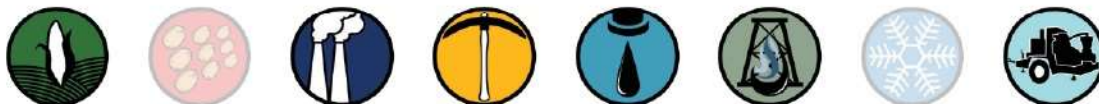


A typical picture of the pump is shown. Please contact Aquarius Pump Company for further details. All information is approximate and for general guidance only.

PARTS	STANDARD MATERIAL (ALL IRON)
WEAR RING	CAST IRON
IMPELLER	CAST IRON
VOLUTE	DUCTILE IRON
SHAFT	17-4PH STAINLESS STEEL
SHAFT SLEEVE	416 SS
SUCTION COVER	CAST IRON
MECHANICAL SEAL	TUNGSTEN CARBIDE VS. SILICON CARBIDE
BEARING FRAME	CAST IRON

The 12NNT pump is designed with Aquarius's renowned quality and durability. It features a 12" discharge, 10" suction, and enclosed impeller. Aquarius's patented Cycloseal<sup>®</sup> design is standard, with a Type 2 single mechanical seal with Buna-N elastomers, stainless steel hardware and tungsten carbide vs. silicon carbide seal faces for abrasion resistance.

- Enclosed impeller capable of passing 4" spherical solids
- Heavy-duty bearing frame
- Patented Cycloseal design
- Heavy duty construction
- RunDry™ option (Indefinite run dry capability)
- Redi-Prime<sup>®</sup> available for fully-automatic continuous priming





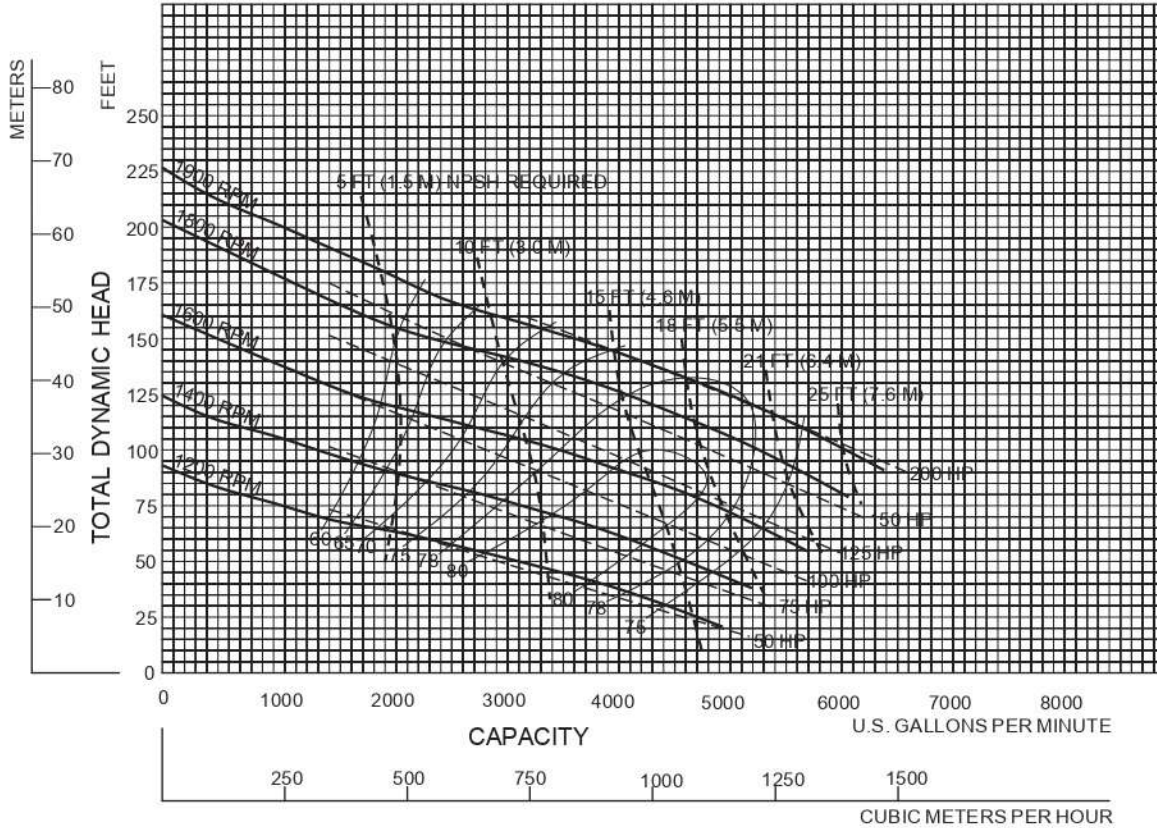
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Feet x .305 = Meters  
 Inches x 25.4 = Millimeters  
 GPM x .227 = Cubic Meters/Hour  
 GPM x 3.785 = Liters/Minute  
 HP x .746 = KW

Speed	Impeller Dia.	Style	Solids Dia.	N <sub>S</sub>	Suction	Discharge	No. vanes
VARIOUS	14" @ 0°	ENCLOSED	4.00"	3540	10"	12"	2

SINGLE VOLUTE MOUNTING CONFIG.: CC, VM, F, VF, EM, VC



Performances shown are for cool water, close-coupled electric configuration with Cyclosoal.™ Other mounting styles or liquids may require horsepower and/or performance adjustments.

4/22/08



Aquarius Pump Company

12NNT - VARIOUS RPM

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