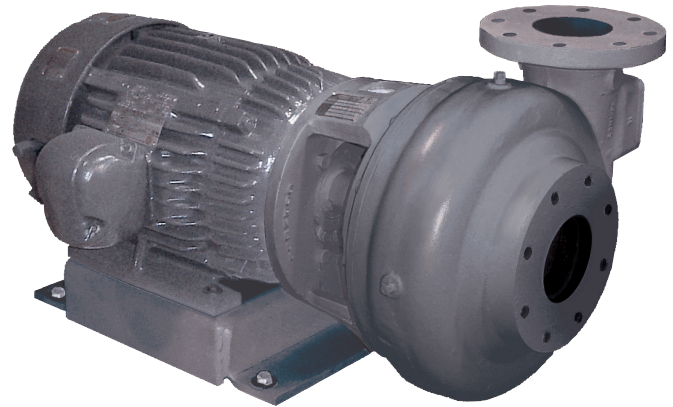


**\*NOW AVAILABLE IN CD4MCu**

AVAILABLE MOUNTING CONFIGURATIONS		
4NNT-CC CLOSE-COUPLED		
4NNT-VM VERTICAL CLOSE-COUPLED		
4NNT-SUB SUBMERSIBLE		

OPERATING LEVELS		
MIN FLOW	180 GPM	41 m <sup>3</sup> /h
MAX FLOW	1300 GPM	295 m <sup>3</sup> /h
DISCHARGE SIZE	4"	101.6 mm
SUCTION SIZE	4"	101.6 mm
SOLIDS HANDLING	3"	76.2 mm
MAX SPEED	1800 RPM	1800 RPM
SHUT-OFF HEAD	122'	37.2 m
BEP HEAD	81'	24.6 m
BEP FLOW	760 GPM	172.6 m <sup>3</sup> /h
BEP PERCENT	76%	76%



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

PARTS	STANDARD MATERIAL (ALL IRON)	CD4MCU
WEAR RING	CAST IRON	CD4MCU
IMPELLER	CAST IRON	CD4MCU
VOLUTE	CAST IRON	CD4MCU
SHAFT	STRESSPROOF STEEL	17-4PH
SHAFT SLEEVE	416 STAINLESS STEEL	CD4MCU
BACKPLATE	CAST IRON	CD4MCU
MECHANICAL SEAL	TUNGSTEN CARBIDE VS. SILICON CARBIDE	TUNGSTEN CARBIDE VS. SILICON CARBIDE
BEARING FRAME	CAST IRON	CAST IRON

The 4NNT pump is designed with Gemstone's renowned quality and durability. It features a 4" discharge, 4" suction, and enclosed impeller. 900/1200/1800 RPM operating speeds. Available in All Iron or CD4MCu materials. Gemstone's patented Cycloseal® design is standard, with a Type 1 or 2 single mechanical seal with Buna-N elastomers, stainless steel hardware and tungsten carbide vs. silicon carbide seal faces for abrasion resistance. Close-coupled configurations include a horizontal or vertical C-face base.

**Submersible model:** includes a vertical XP submersible motor. Seal is a tandem mechanical seal.

- Cycloseal is Standard
- Two year Warranty
- High Efficiency
- Robust Construction
- Optional Redi-Prime Priming system



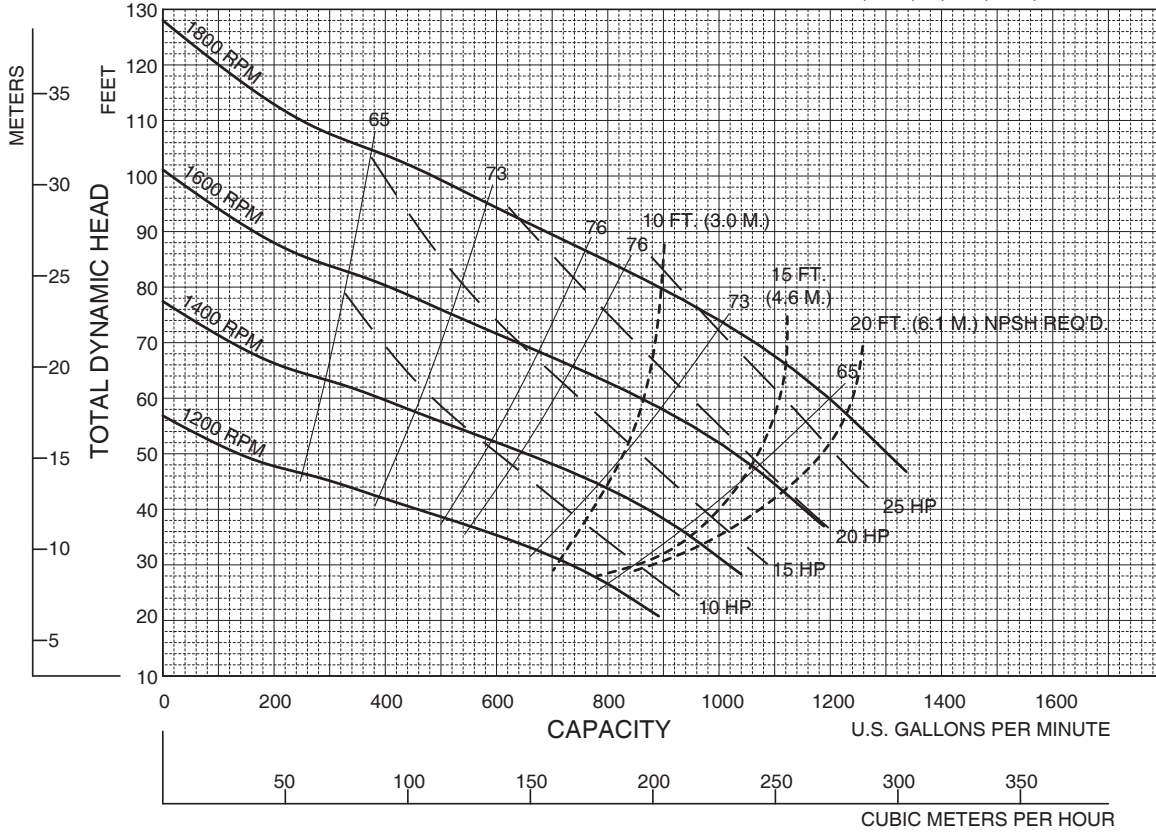


# 4NNT-CC

Speed	Impeller Dia.	Style	Solids Dia.	N <sub>S</sub>	Suction	Discharge	No. vanes
VARIOUS	10.09"	ENCLOSED	3"	1900	4"	4"	2

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 Cycloseal®. Other mounting configurations, seal arrangements or liquids may require horsepower and/or performance adjustments.

7/30/02

Gemstone Pump Company

4NNT - VARIOUS RPM

SUPERSEDES 9/15/99

4NNTVA

A typical pump configuration is shown. Drawings of other configurations available upon request.