

### AVAILABLE MOUNTING CONFIGURATIONS

4NLDL-F5 FRAME MOUNT  
4NLDL-VF5 VERTICAL FRAME MOUNT  
4NLDL-EM ENGINE MOUNT  
4NLDL-VC VERTICAL COUPLED

### OPERATING LEVELS

<b>MIN FLOW</b>	50 GPM	11.3 m <sup>3</sup> /h
<b>MAX FLOW</b>	520 GPM	118.1 m <sup>3</sup> /h
<b>DISCHARGE SIZE</b>	4"	102 mm
<b>SUCTION SIZE</b>	4"	102 mm
<b>SOLIDS HANDLING</b>	3"	76 mm
<b>MAX SPEED</b>	2000 RPM	2000 RPM
<b>SHUT-OFF HEAD</b>	86'	26.2 m
<b>BEP HEAD</b>	46'	14 m
<b>BEP FLOW</b>	320 GPM	72.7 m <sup>3</sup> /h
<b>BEP PERCENT</b>	50%	50%



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)
<b>IMPELLER</b>	CAST IRON ASTM A48 CLASS 30
<b>VOLUTE</b>	CAST IRON ASTM A48 CLASS 30
<b>SHAFT</b>	LASALLE STRESSPROOF STAINLESS STEEL
<b>SHAFT SLEEVE</b>	304 STAINLESS STEEL
<b>SUCTION COVER</b>	CAST IRON ASTM A48 CLASS 30
<b>SEAL HOUSING</b>	CAST IRON ASTM A48 CLASS 30
<b>MECHANICAL SEAL</b>	TUNGSTEN CARBIDE / SILICON CARBIDE
<b>BEARING HOUSING</b>	CAST IRON ASTM A48 CLASS 30

Pump designed with Gemstone's renowned quality and durability. It features a 4" discharge and a 4" suction. Gemstone's patented Cycloseal® 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. Bearings are heavy-duty, grease lubricated, deep groove ball bearings with a minimum of 50,000 hours bearing life.

- Delta-style impeller • Ideally suited for water and water booster applications.
- Back pull-out design
- RunDry™ option (Indefinite run dry capability)
- Heavy duty construction
- Patented Cycloseal® design
- Industry-leading two-year warranty



AGRICULTURE



FOOD



INDUSTRIAL



MINING



MUNICIPAL



OIL & GAS



REFRIGERATION



RENTAL

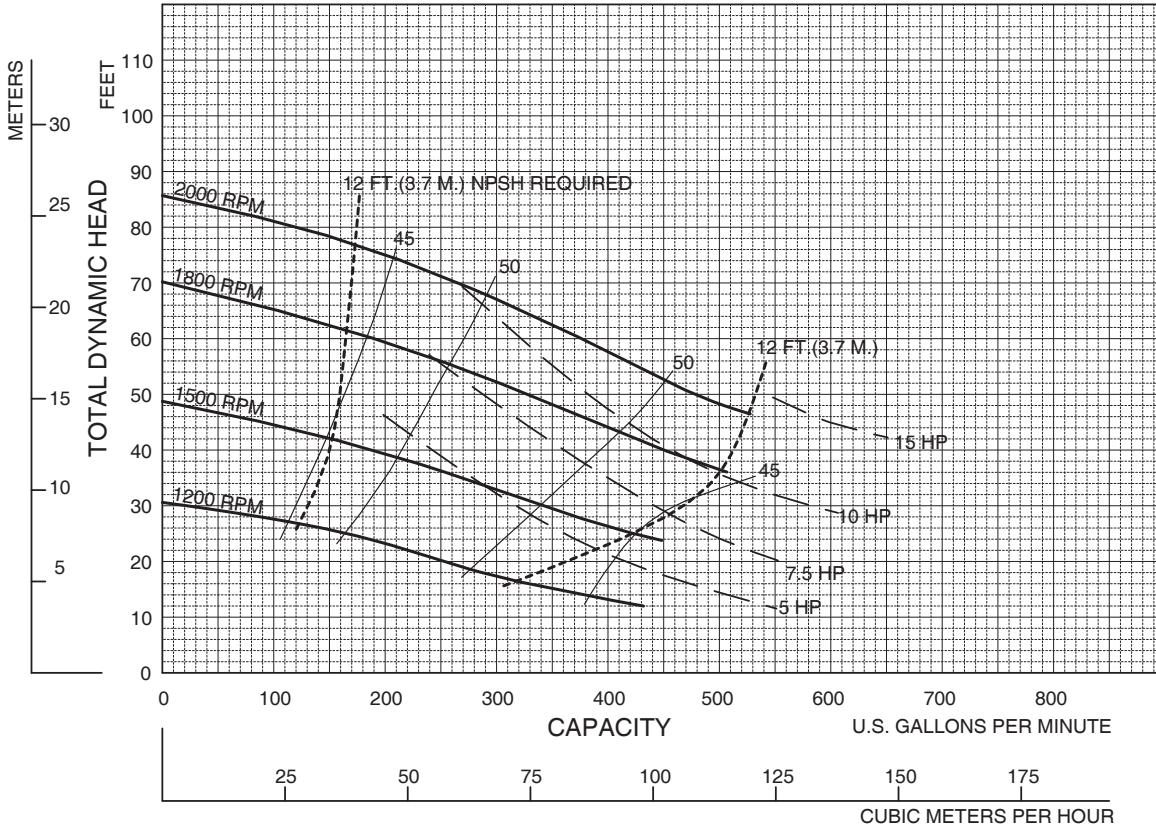


# 4NLDL-F

Speed	Impeller Dia.	Style	Solids Dia.	N <sub>S</sub>	Suction	Discharge	No. vanes
VARIOUS	8.38"	SEMI-OPEN	3"	1800	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 packing. Other mounting styles or liquids may require horsepower and/or performance adjustments.

9/99

Gemstone Pump Company

4NLDL - VARIOUS RPM

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4NLDLVA