



Company: National Energy Equipment

Name:

Date: 5/8/2009

**Pump:**

Size: 02K-X2-1  
 Type: O-Series  
 Synch speed: 3600 rpm  
 Curve: 02K-X2-1  
 Specific Speeds:  
 Dimensions:  
 Speed: 3450 rpm  
 Dia: 4.75 in  
 Impeller: 10205  
 Ns: ---  
 Nss: ---  
 Suction: 2 in  
 Discharge: 2 in

**Search Criteria:**

Flow: --- Head: ---

**Fluid:**

Water  
 SG: 1  
 Viscosity: 1.105 cP  
 NPSHa: ---  
 Temperature: 60 °F  
 Vapor pressure: 0.2563 psi a  
 Atm pressure: 14.7 psi a

**Motor:**

Standard: NEMA ---  
 Enclosure: TEFC  
 Sizing criteria: Max Power on Design Curve  
 Speed: ---  
 Frame: ---

**Pump Limits:**

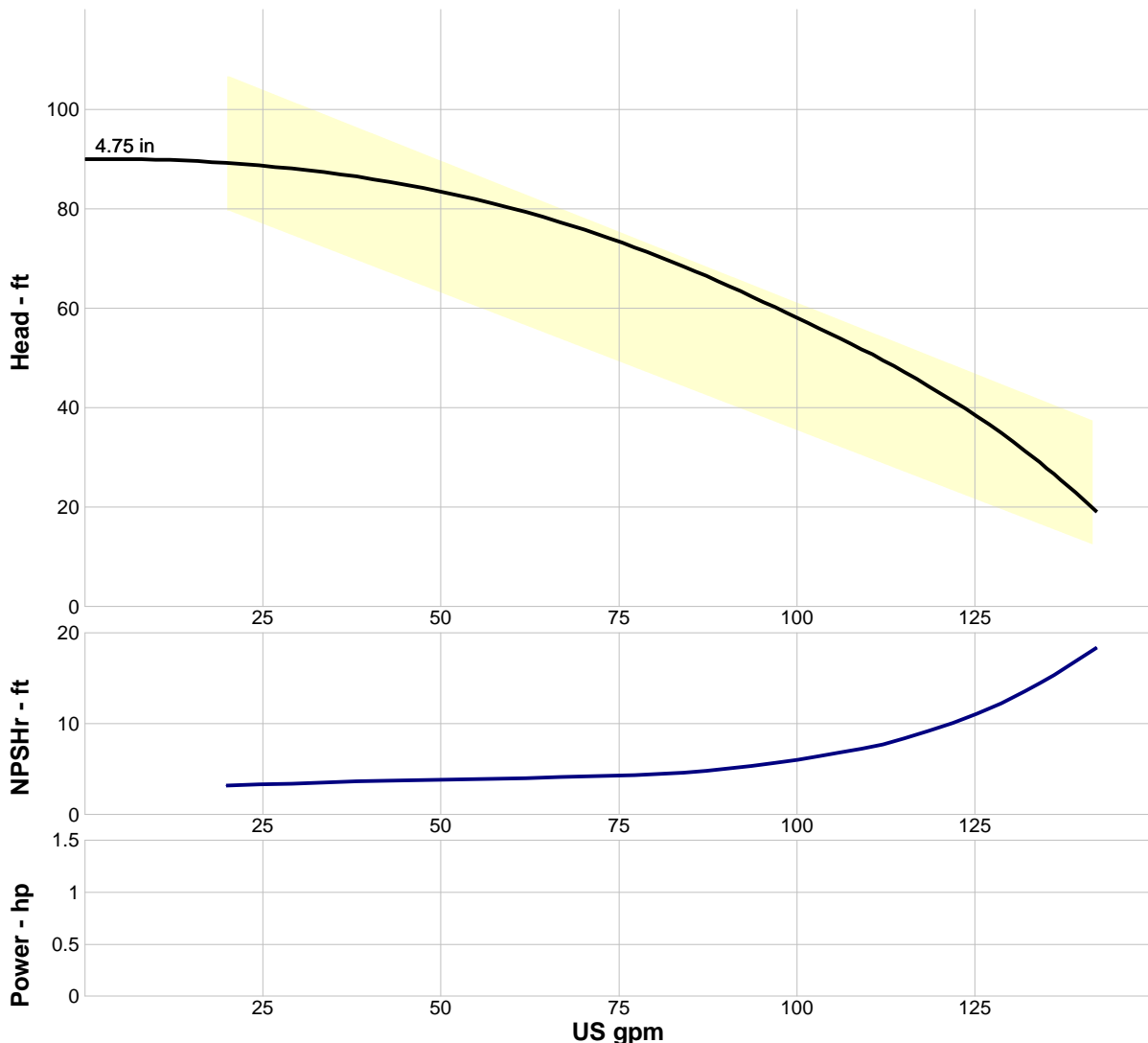
Temperature: ---  
 Pressure: ---  
 Sphere size: ---  
 Power: ---  
 Eye area: ---

**---- Data Point ----**

Flow: 0 US gpm  
 Head: 90 ft  
 Eff: --- %  
 Power: ---  
 NPSHr: 2.04 ft

**---- Design Curve ----**

Shutoff head: 90 ft  
 Shutoff dP: 38.9 psi  
 Min flow: ---  
 BEP: --- %  
 NOL power: ---



**Performance Evaluation:**

Flow US gpm	Speed rpm	Head ft	Efficiency %	Power hp	NPSHr ft
137	3450	25.2	---	---	16
114	3450	47.9	---	---	8.23
91.2	3450	63.7	---	---	5.29
68.4	3450	76.4	---	---	4.2
45.6	3450	84.4	---	---	3.8