



Company: National Energy Equipment

Name:

Date: 5/8/2009

**Pump:**

Size: 02D-X1.5-1  
 Type: O-Series  
 Synch speed: 3600 rpm  
 Curve: 02D-X1.5-1  
 Specific Speeds:  
 Dimensions:  
 Speed: 3450 rpm  
 Dia: 3.75 in  
 Impeller: 6594  
 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:**

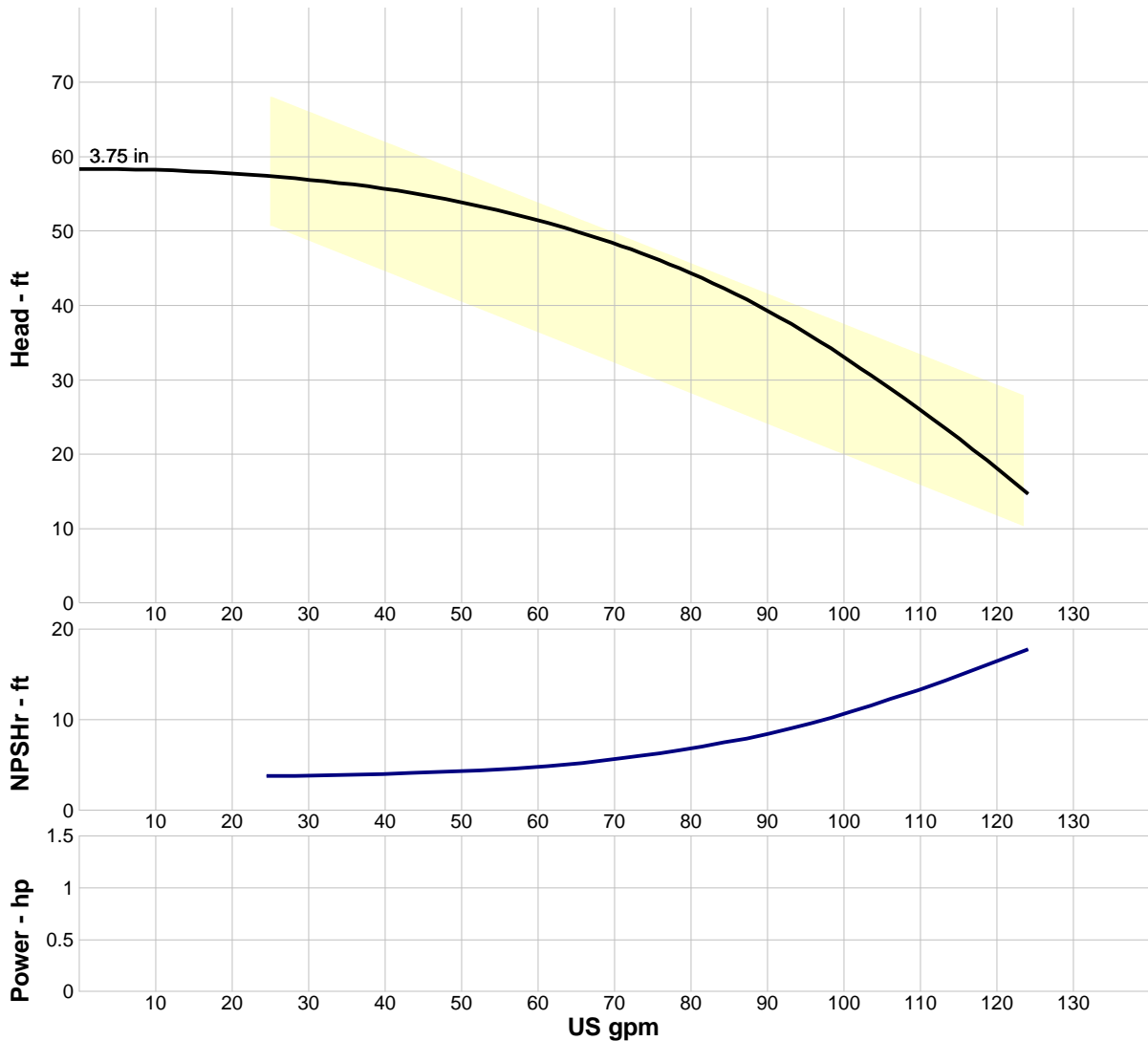
Temperature: ---  
 Pressure: ---  
 Sphere size: ---  
 Power: ---  
 Eye area: ---

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

Flow: 0 US gpm  
 Head: 58.3 ft  
 Eff: --- %  
 Power: ---  
 NPSHr: 1.17 ft

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

Shutoff head: 58.3 ft  
 Shutoff dP: 25.2 psi  
 Min flow: ---  
 BEP: --- %  
 NOL power: ---



**Performance Evaluation:**

Flow US gpm	Speed rpm	Head ft	Efficiency %	Power hp	NPSHr ft
119	3450	18.6	---	---	16.3
99.2	3450	33.4	---	---	10.6
79.4	3450	44.5	---	---	6.83
59.5	3450	51.2	---	---	4.94
39.7	3450	55.5	---	---	4.08