



Company: National Energy Equipment

Name:

Date: 5/8/2009

Pump:

Size: 04C-B-1
 Type: O-Series
 Synch speed: 1800 rpm
 Curve: 04C-B-1
 Specific Speeds:
 Dimensions:
 Speed: 1750 rpm
 Dia: 9.5 in
 Impeller: 10240
 Ns: ---
 Nss: ---
 Suction: 4 in
 Discharge: 4 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
 Size: 15 hp
 Speed: 1800
 Frame: 254T

Pump Limits:

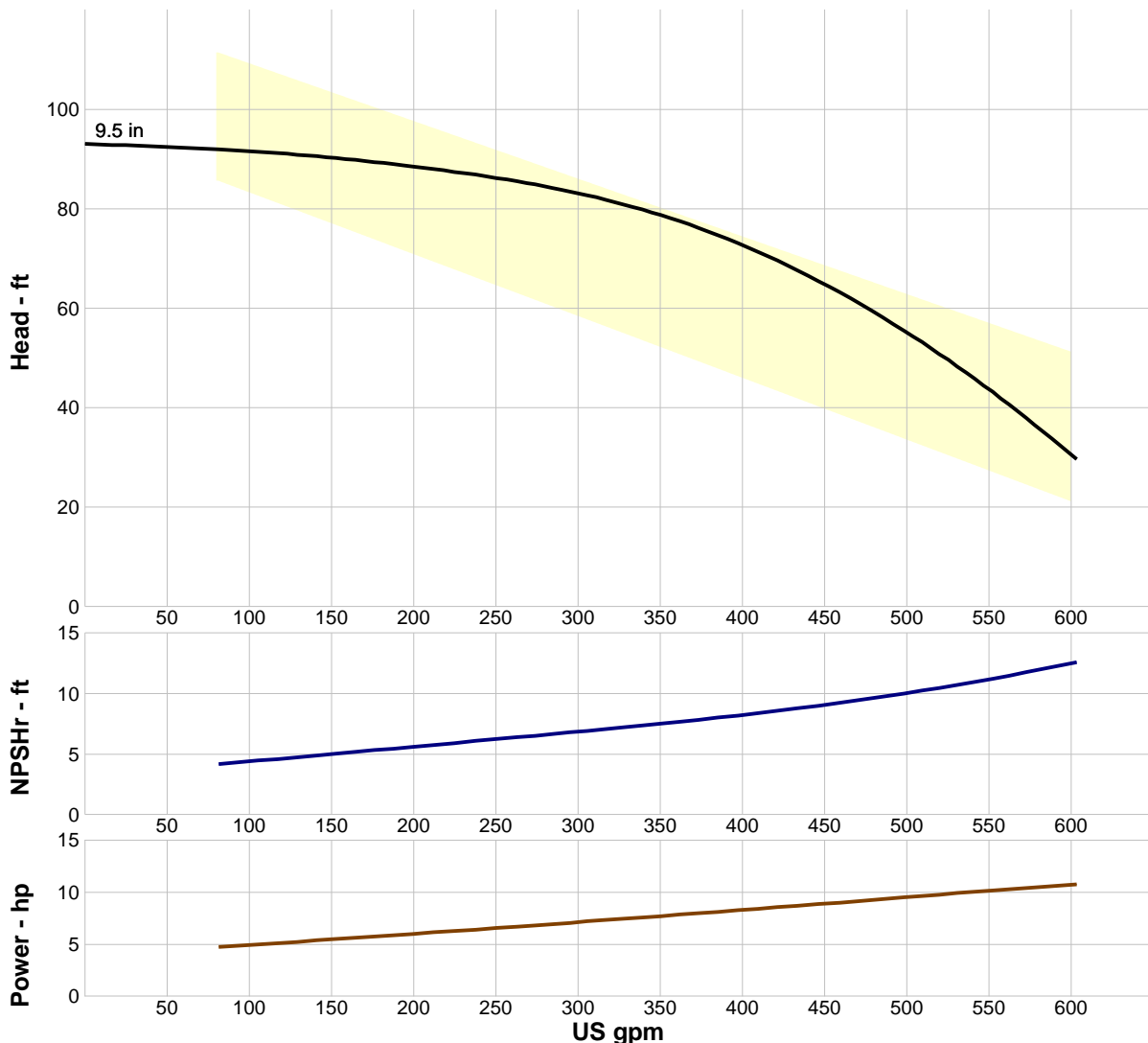
Temperature: ---
 Pressure: ---
 Sphere size: ---
 Power: ---
 Eye area: ---

---- Data Point ----

Flow: 0 US gpm
 Head: 93 ft
 Eff: --- %
 Power: ---
 NPSHr: 4 ft

---- Design Curve ----

Shutoff head: 93 ft
 Shutoff dP: 40.2 psi
 Min flow: ---
 BEP: --- %
 NOL power:
 10.8 hp @ 603 US gpm



Performance Evaluation:

Flow US gpm	Speed rpm	Head ft	Efficiency %	Power hp	NPSHr ft
578	1750	36.3	---	10.5	11.9
482	1750	58.5	---	9.31	9.7
386	1750	74.4	---	8.16	8.03
289	1750	83.7	---	7.02	6.72
193	1750	88.7	---	5.94	5.54