



Company: National Energy Equipment

Name:

Date: 5/8/2009

Pump:

Size: RS2A-B-1
 Type: RS/RD-Series
 Synch speed: 1800 rpm
 Curve: RS2A-B-1
 Specific Speeds:
 Dimensions:
 Speed: 1750 rpm
 Dia: 10 in
 Impeller: 38621-730
 Ns: ---
 Nss: ---
 Suction: 3 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
 Size: 10 hp
 Speed: 1800
 Frame: 215T

Pump Limits:

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

---- Data Point ----

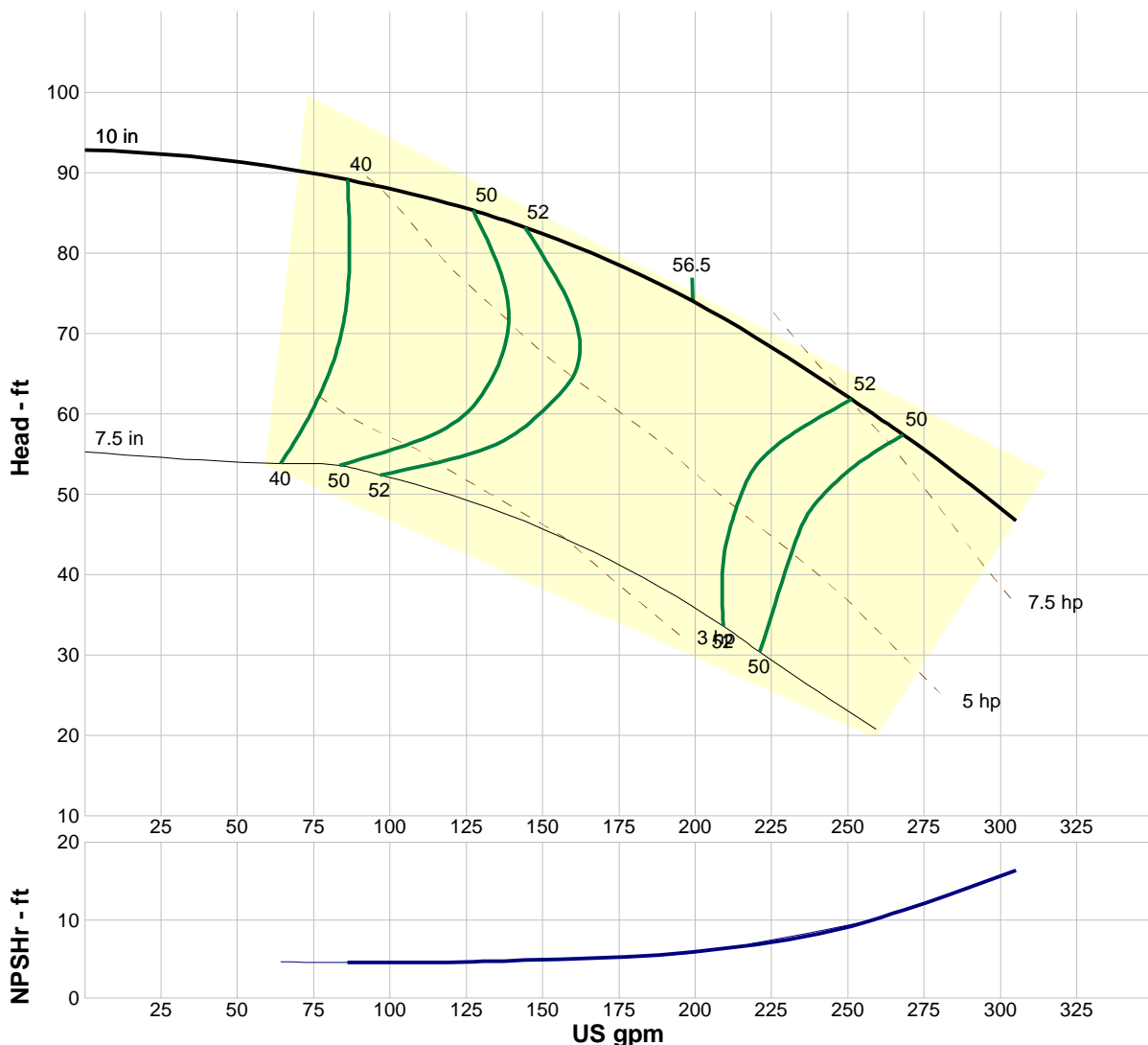
Flow: 199 US gpm
 Head: 74 ft
 Eff: 56.5%
 Power: 6.58 hp
 NPSHr: 5.96 ft

---- Design Curve ----

Shutoff head: 92.8 ft
 Shutoff dP: 40.1 psi
 Min flow: ---
 BEP: 56.5% @ 199 US gpm
 NOL power:
 8.36 hp @ 305 US gpm

-- Max Curve --

Max power:
 8.36 hp @ 305 US gpm



Performance Evaluation:

Flow US gpm	Speed rpm	Head ft	Efficiency %	Power hp	NPSHr ft
293	1750	50.2	45.3	8.17	14.7
244	1750	63.4	52.6	7.4	8.81
195	1750	74.7	56.2	6.53	5.88
146	1750	82.9	52.2	5.85	4.92
97.6	1750	88	42.8	5.01	4.62