



Company: National Energy Equipment

Name:

Date: 5/8/2009

Pump:

Size: 62E-B-3
 Type: 60-Series
 Synch speed: 1800 rpm
 Curve: 62E-B-3
 Specific Speeds:
 Dimensions:
 Speed: 1750 rpm
 Dia: 10 in
 Impeller: K76048
 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 ----

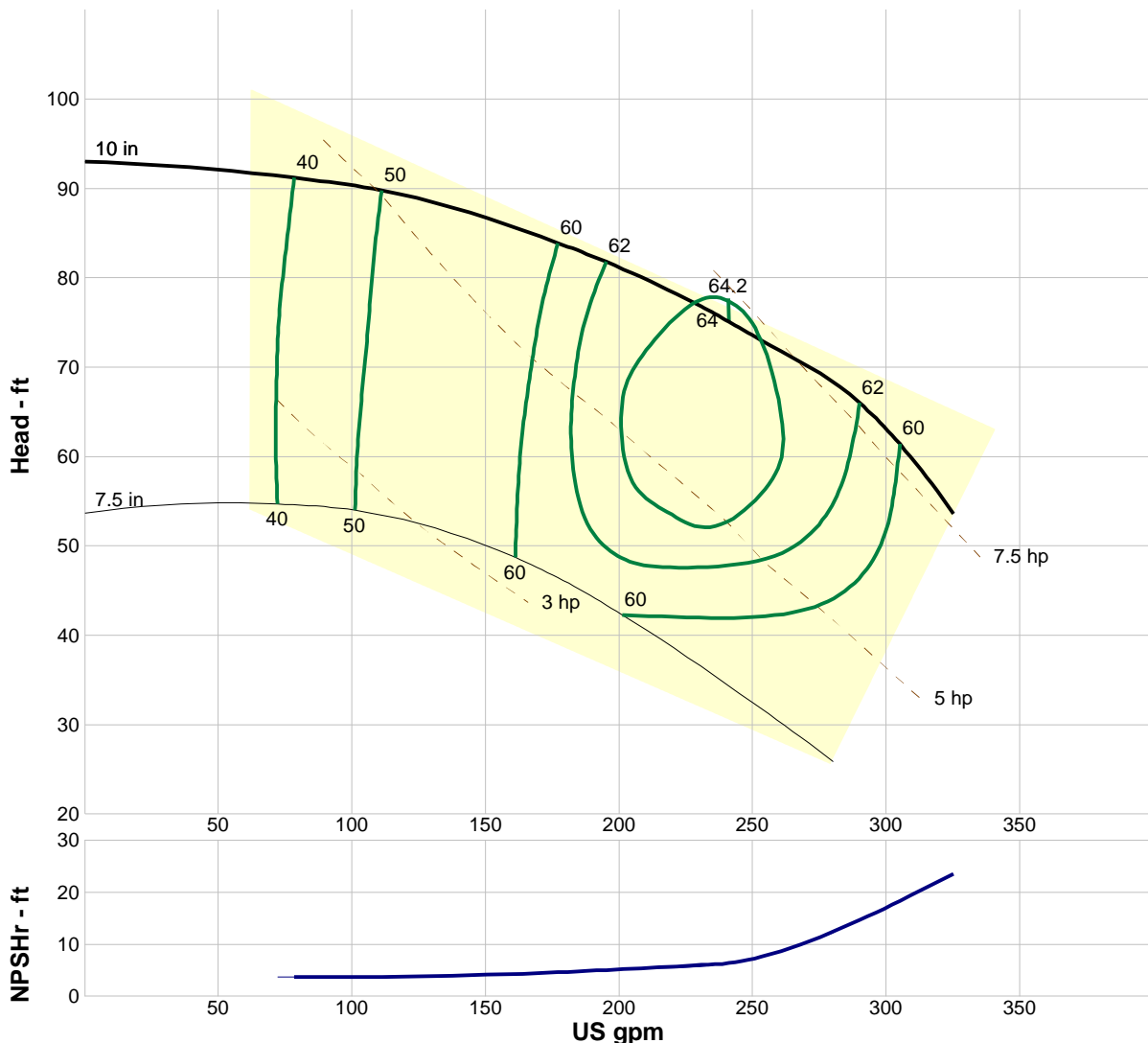
Flow: 241 US gpm
 Head: 75.1 ft
 Eff: 64.2%
 Power: 7.12 hp
 NPSHr: 6.38 ft

---- Design Curve ----

Shutoff head: 93 ft
 Shutoff dP: 40.2 psi
 Min flow: ---
 BEP: 64.2% @ 241 US gpm
 NOL power:
 7.88 hp @ 305 US gpm

-- Max Curve --

Max power:
 7.88 hp @ 305 US gpm



Performance Evaluation:

Flow US gpm	Speed rpm	Head ft	Efficiency %	Power hp	NPSHr ft
312	1750	58.7	59	7.82	20.2
260	1750	71.7	63.6	7.39	8.94
208	1750	80	62.8	6.67	5.41
156	1750	85.8	56.8	5.86	4.34
104	1750	90.1	47.9	4.92	3.75