



Company: National Energy Equipment

Name:

Date: 5/8/2009

Pump:

Size: 65A-B-4
 Type: 60-Series
 Synch speed: 1800 rpm
 Curve: 65A-B-4
 Specific Speeds:
 Dimensions:
 Speed: 1750 rpm
 Dia: 13.25 in
 Impeller: K76830
 Ns: ---
 Nss: ---
 Suction: 6 in
 Discharge: 5 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: 50 hp
 Speed: 1800
 Frame: 326T

Pump Limits:

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

---- Data Point ----

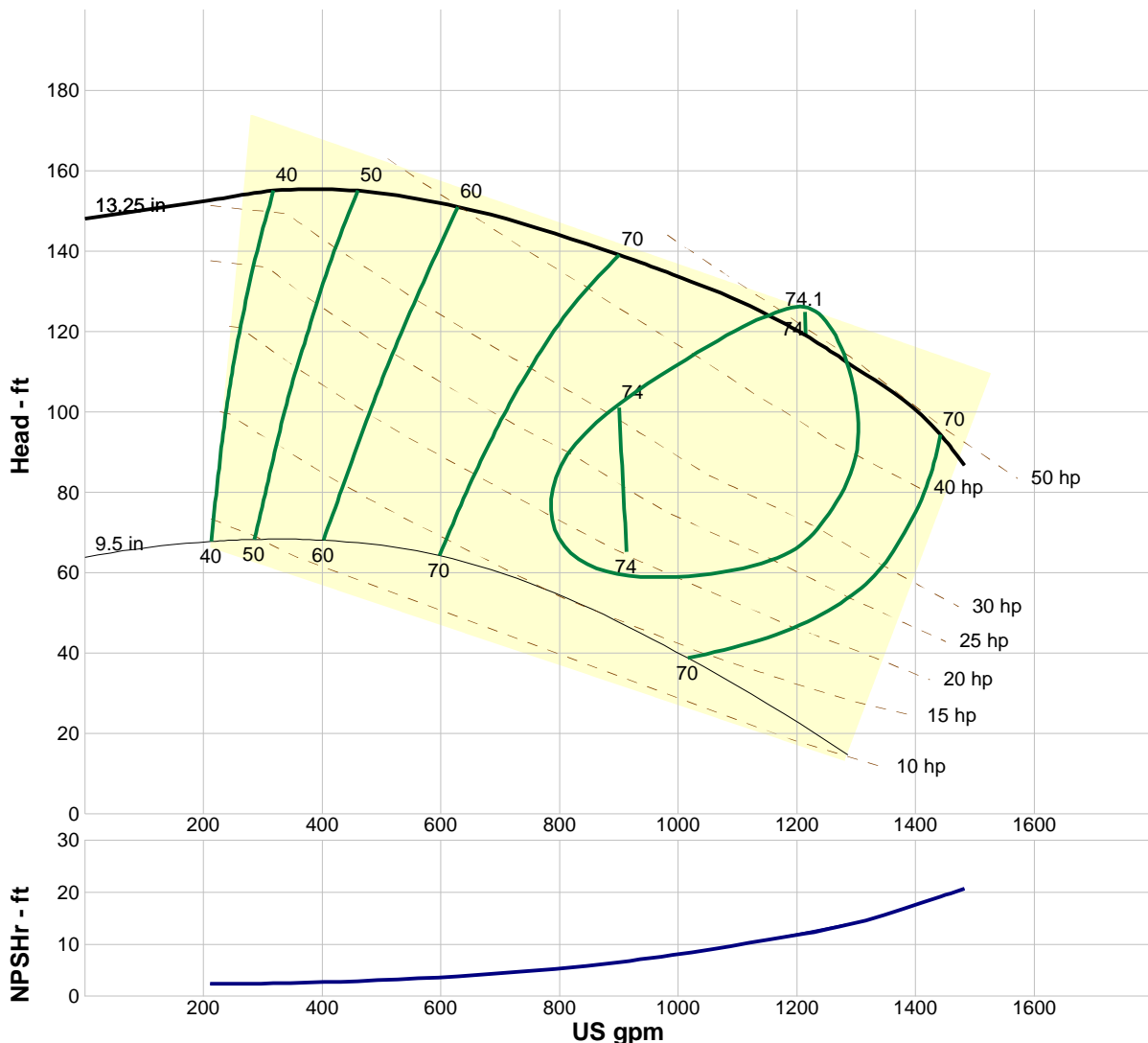
Flow: 1214 US gpm
 Head: 119 ft
 Eff: 74.1%
 Power: 49.2 hp
 NPSHr: 12.1 ft

---- Design Curve ----

Shutoff head: 148 ft
 Shutoff dP: 64 psi
 Min flow: ---
 BEP: 74.1% @ 1214 US gpm
 NOL power: 49.2 hp @ 1214 US gpm

-- Max Curve --

Max power: 49.2 hp @ 1214 US gpm



Performance Evaluation:

Flow US gpm	Speed rpm	Head ft	Efficiency %	Power hp	NPSHr ft
1422	1750	96.5	70.5	49	18.5
1185	1750	121	74	49	11.5
948	1750	136	71.1	45.9	7.31
711	1750	147	63.1	41.5	4.69
474	1750	155	50.9	36.3	3.02