



Company: National Energy Equipment

Name:

Date: 5/8/2009

Pump:

Size: 62F-B-3
 Type: 60-Series
 Synch speed: 3600 rpm
 Curve: 62F-B-3
 Specific Speeds:
 Dimensions:
 Speed: 3450 rpm
 Dia: 8.5 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: 30 hp
 Speed: 3600
 Frame: 286TS

Pump Limits:

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

---- Data Point ----

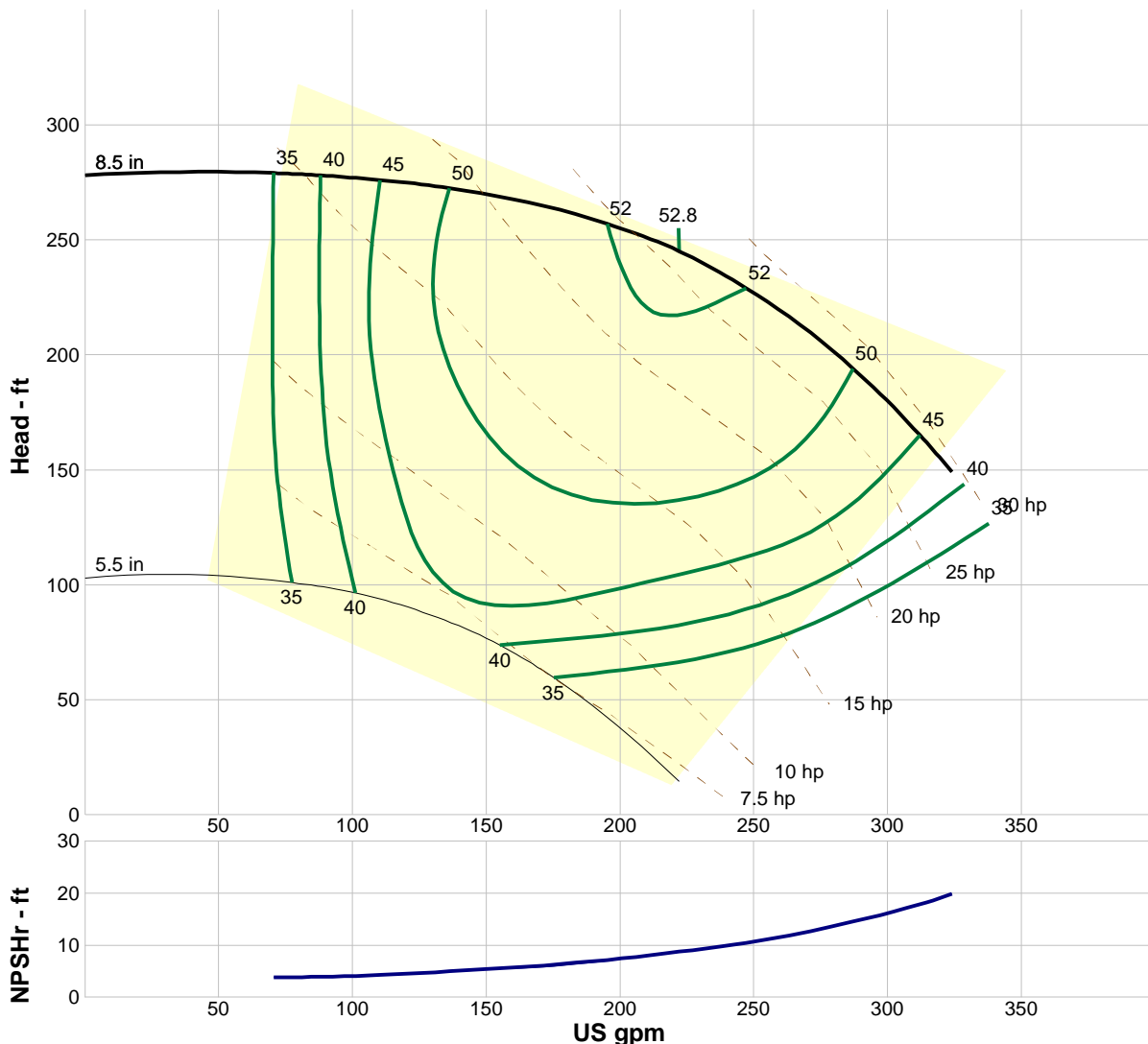
Flow: 222 US gpm
 Head: 245 ft
 Eff: 52.8%
 Power: 26 hp
 NPSHr: 8.76 ft

---- Design Curve ----

Shutoff head: 278 ft
 Shutoff dP: 120 psi
 Min flow: ---
 BEP: 52.8% @ 222 US gpm
 NOL power:
 29.4 hp @ 324 US gpm

-- Max Curve --

Max power:
 29.4 hp @ 324 US gpm



Performance Evaluation:

Flow US gpm	Speed rpm	Head ft	Efficiency %	Power hp	NPSHr ft
311	3450	166	45.2	28.9	17.7
259	3450	219	51.4	27.7	11.7
207	3450	252	52.4	25.1	7.88
155	3450	268	50.6	20.5	5.67
104	3450	277	43.6	16.6	4.18