

Company: Bonneville Power Administration

Name:

Date: 2/9/2007

Selection: Gould Centrifugal Pump



Pump:

Size: 25SFH
Type: CC_ENDSUCTION
Synch speed: 1800 rpm
Curve: Goulds 25SFH
Specific Speeds:
Dimensions:
Speed: 1750 rpm
Dia: 9.875 in
Impeller:
Ns: ---
Nss: ---
Suction: 2.5 in
Discharge: 2 in

Search Criteria:

Flow: --- US gpm Head: --- ft

Fluid:

Water
Density: 62.25 lb/ft³
Viscosity: 1.105 cP
NPSHa: --- ft
Temperature: 60 °F
Vapor pressure: 0.2563 psi a
Atm pressure: 14.7 psi a

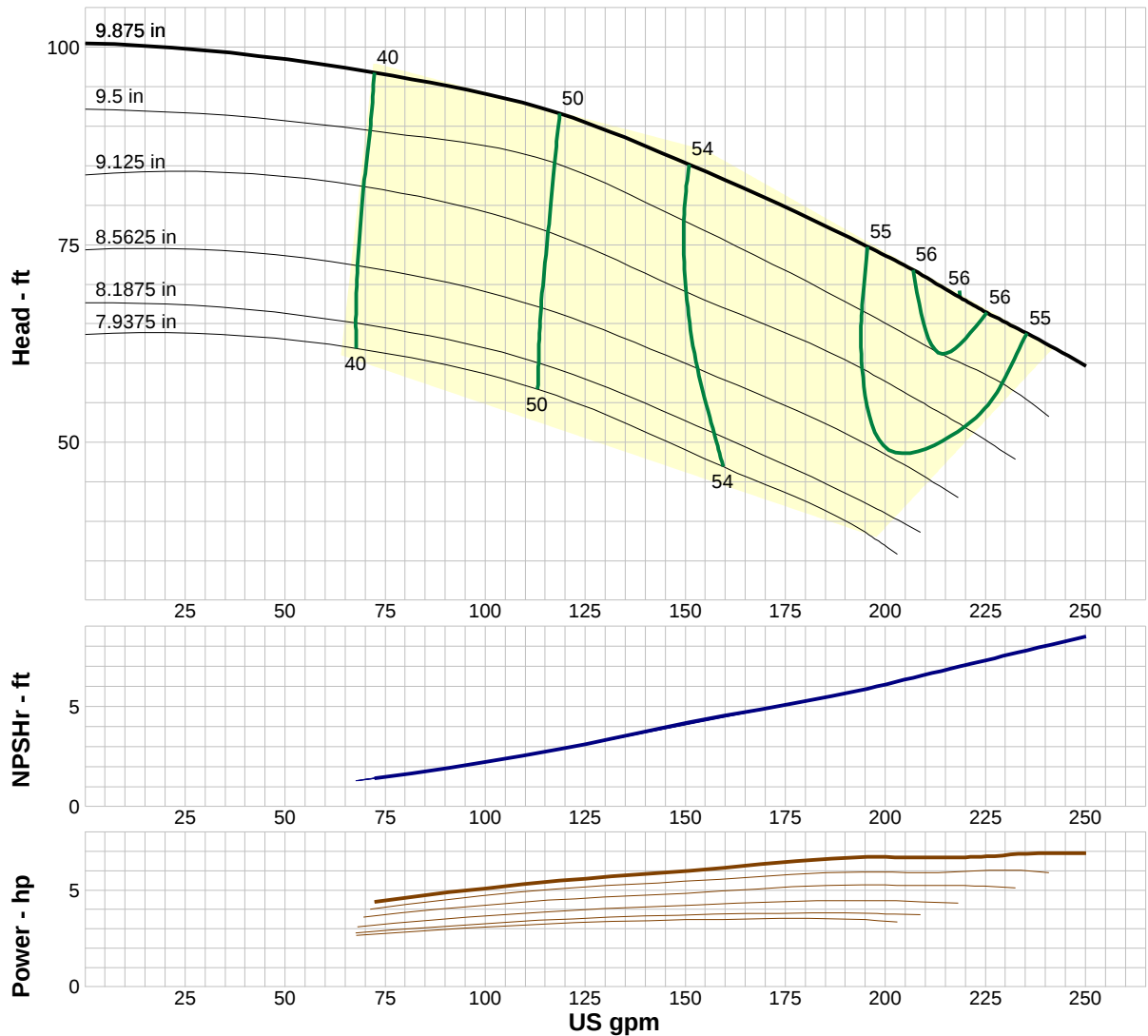
Motor:

Consult GOULDS to select a motor for this pump.

Pump Limits:

Temperature: --- °F
Pressure: 175 psi g
Sphere size: 0.5 in
Power: 7 hp
Eye area: --- in²

---- Data Point ----	
Flow:	219 US gpm
Head:	68.2 ft
Eff:	56%
Power:	6.7 hp
NPSHr:	7.02 ft
---- Design Curve ----	
Shutoff head:	101 ft
Shutoff dP:	43.4 psi
Min flow:	--- US gpm
BEP:	56% @ 219 US gpm
NOL power:	6.9 hp @ 250 US gpm
-- Max Curve --	
Max power:	6.9 hp @ 250 US gpm



Performance Evaluation:

Flow US gpm	Speed rpm	Head ft	Efficiency %	Power hp	NPSHr ft
240	1750	62.5	55	6.89	8.03
200	1750	73.6	55	6.7	6.11
160	1750	83	54	6.15	4.55
120	1750	91.3	50	5.51	2.94
80	1750	95.9	42	4.59	1.66