

Company: Bonneville Power Administration

Name:

Date: 2/9/2007

Selection: Gould Centrifugal Pump



Pump:

Size: 25SH
 Type: CC_ENDSUCTION_C
 Synch speed: 1800 rpm
 Curve: GP SSH/SSH-F
 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

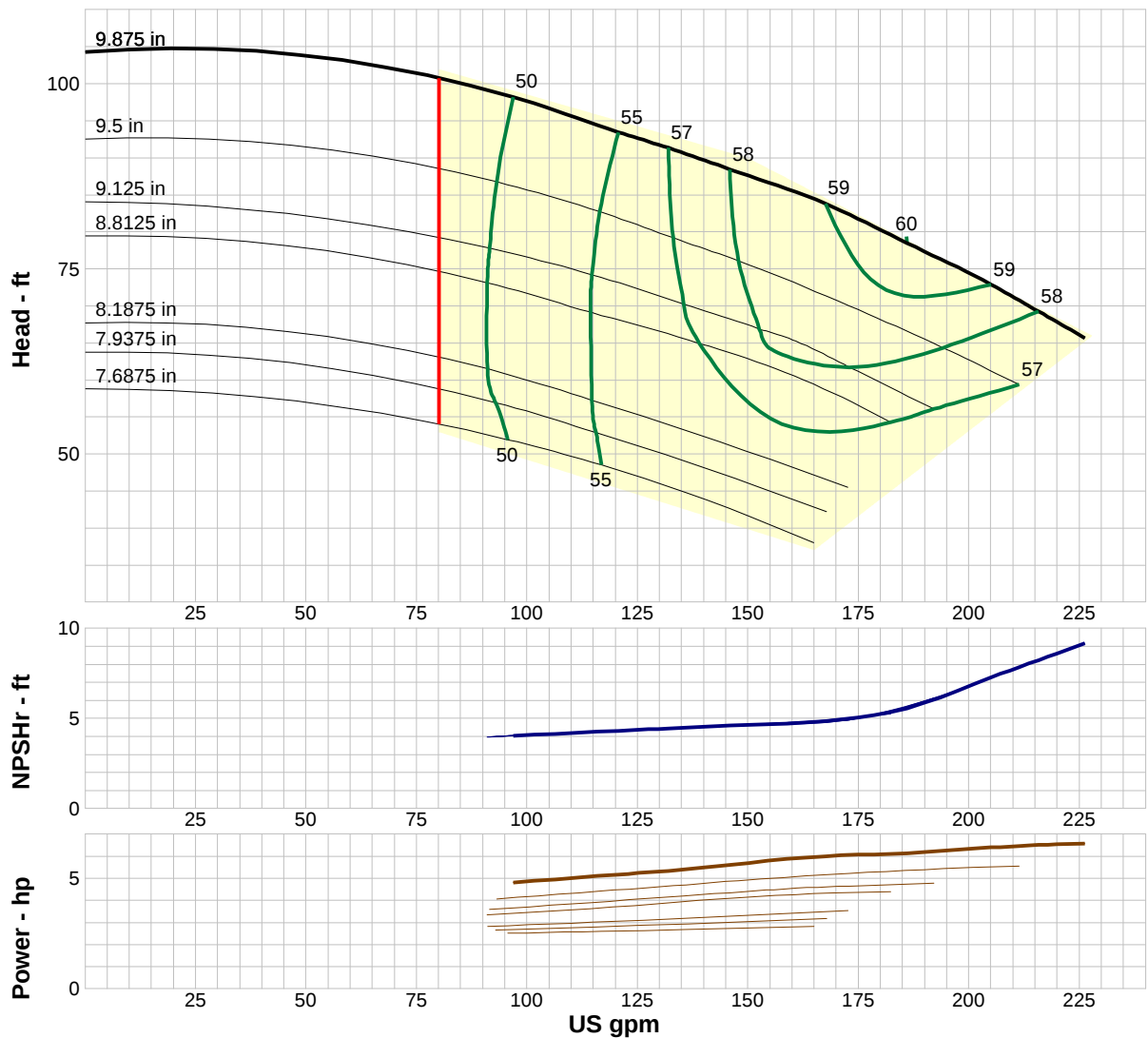
Motor:

Consult GOULDS to select a motor for this pump.

Pump Limits:

Temperature: 212 °F
 Pressure: 230 psi g
 Sphere size: 0.5 in
 Power: 7.5 hp
 Eye area: --- in²

---- Data Point ----	
Flow:	186 US gpm
Head:	78.5 ft
Eff:	60%
Power:	6.14 hp
NPSHr:	5.58 ft
---- Design Curve ----	
Shutoff head:	104 ft
Shutoff dP:	45.1 psi
Min flow:	80 US gpm
BEP:	60% @ 186 US gpm
NOL power:	6.57 hp @ 226 US gpm
-- Max Curve --	
Max power:	6.57 hp @ 226 US gpm



Performance Evaluation:

Flow US gpm	Speed rpm	Head ft	Efficiency %	Power hp	NPSHr ft
217	1750	68.8	58	6.51	8.35
181	1750	79.9	60	6.11	5.38
145	1750	88.6	58	5.6	4.6
109	1750	95.8	53	4.99	4.18
72.4	1750	---	---	---	---