

Company: Bonneville Power Administration

Name:

Date: 2/9/2007

Selection: Gould Centrifugal Pump



Pump:

Size: 9SFH
Type: CC_ENDSUCTION
Synch speed: 1800 rpm
Curve: Goulds 9SFH
Specific Speeds:
Dimensions:
Speed: 1750 rpm
Dia: 6.625 in
Impeller:
Ns: ---
Nss: ---
Suction: 2 in
Discharge: 1.25 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

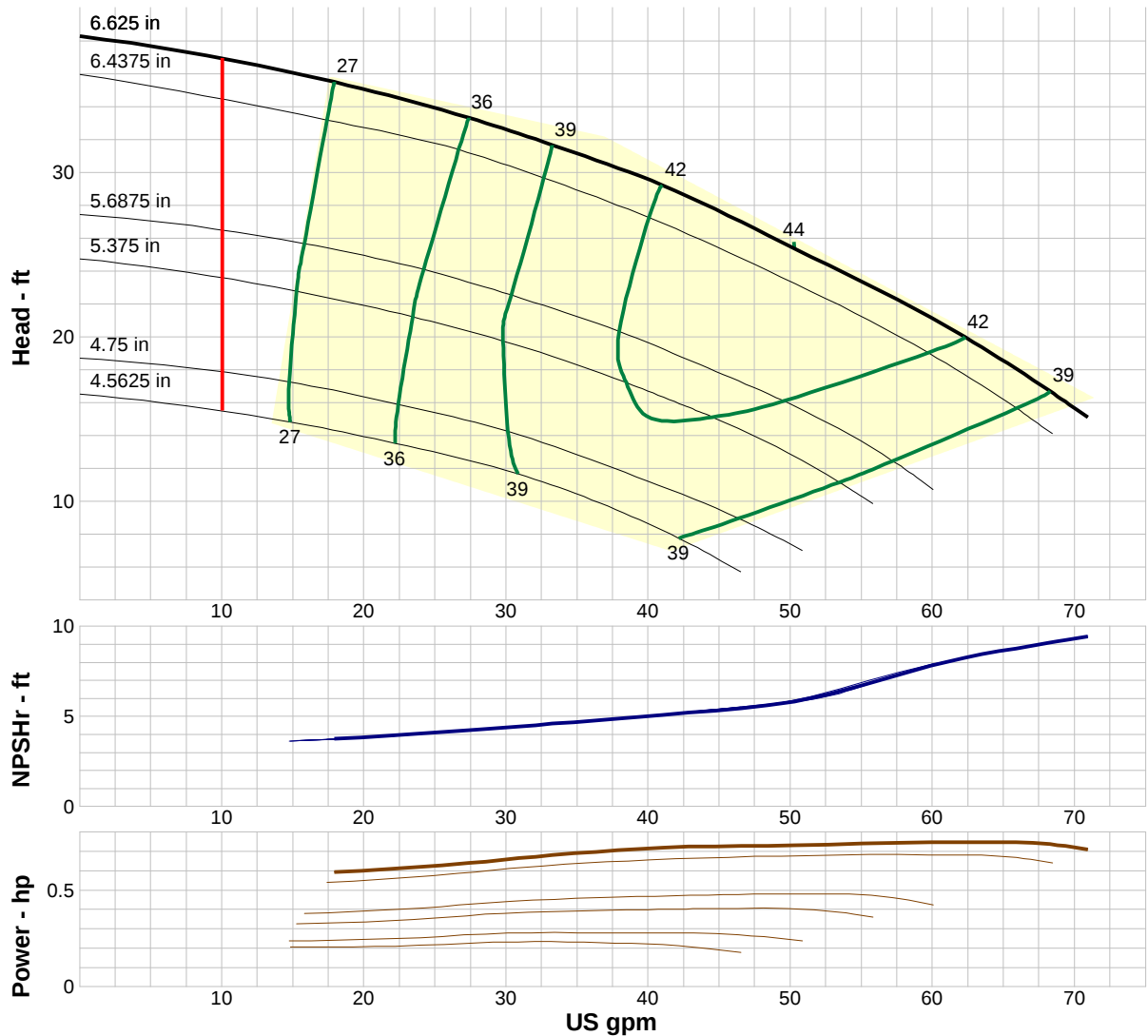
Motor:

Consult GOULDS to select a motor for this pump.

Pump Limits:

Temperature: 212 °F
Pressure: 175 psi g
Sphere size: 0.125 in
Power: 0.8 hp
Eye area: --- in²

---- Data Point ----	
Flow:	50.3 US gpm
Head:	25.3 ft
Eff:	44%
Power:	0.732 hp
NPSHr:	5.85 ft
---- Design Curve ----	
Shutoff head:	38.3 ft
Shutoff dP:	16.5 psi
Min flow:	10 US gpm
BEP:	44% @ 50.3 US gpm
NOL power:	0.748 hp @ 62.3 US gpm
-- Max Curve --	
Max power:	0.748 hp @ 62.3 US gpm



Performance Evaluation:

Flow US gpm	Speed rpm	Head ft	Efficiency %	Power hp	NPSHr ft
68	1750	16.8	39	0.738	9.05
56.7	1750	22.5	43	0.741	7.14
45.4	1750	27.4	43	0.725	5.45
34	1750	31.4	39	0.685	4.65
22.7	1750	34.4	32	0.617	4