

Company: Bonneville Power Administration

Name:

Date: 2/9/2007

Selection: Gould Centrifugal Pump



Pump:

Size: 3SS
Type: CC_ENDSUCTION
Synch speed: 1800 rpm
Curve: GP ICS/ICSF
Specific Speeds:
Dimensions:
Speed: 1750 rpm
Dia: 6 in
Impeller:
Ns: ---
Nss: ---
Suction: 2 in
Discharge: 1.5 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

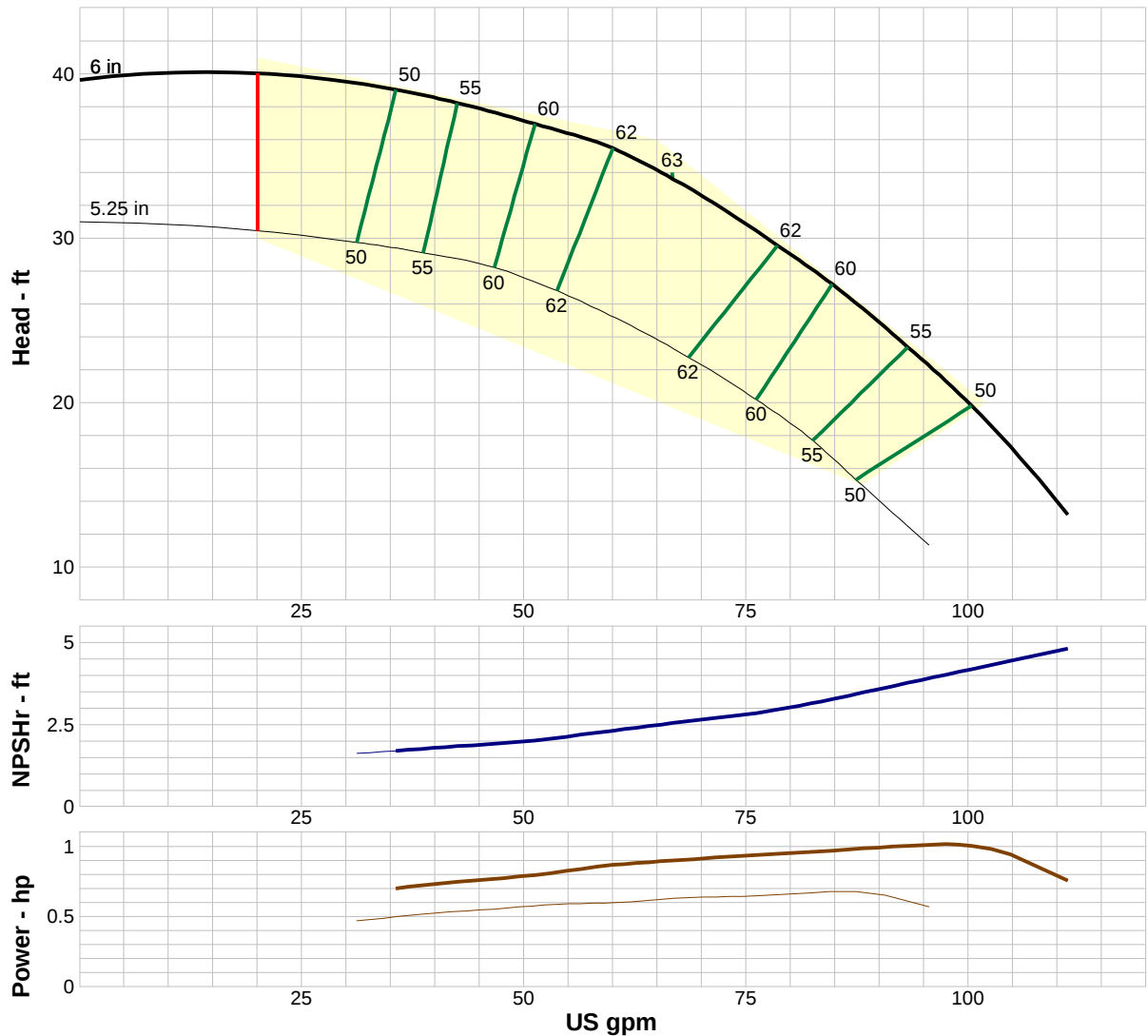
Motor:

Consult GOULDS to select a motor for this pump.

Pump Limits:

Temperature: 212 °F
Pressure: 175 psi g
Sphere size: --- in
Power: 1 hp
Eye area: --- in²

---- Data Point ----	
Flow:	66.8 US gpm
Head:	33.6 ft
Eff:	63%
Power:	0.899 hp
NPSHr:	2.55 ft
---- Design Curve ----	
Shutoff head:	39.6 ft
Shutoff dP:	17.1 psi
Min flow:	20 US gpm
BEP:	63% @ 66.8 US gpm
NOL power:	1 hp @ 100 US gpm
-- Max Curve --	
Max power:	1 hp @ 100 US gpm



Performance Evaluation:

Flow US gpm	Speed rpm	Head ft	Efficiency %	Power hp	NPSHr ft
107	1750	15.8	49	0.852	4.57
89	1750	25.3	57	0.985	3.53
71.2	1750	32.1	63	0.917	2.7
53.4	1750	36.6	61	0.814	2.09
35.6	1750	39	50	0.701	1.7