

Company: Bonneville Power Administration

Name:

Date: 2/9/2007

Selection: Gould Centrifugal Pump



Pump:

Size: 4SS
Type: CC_ENDSUCTION_C
Synch speed: 1800 rpm
Curve: GP ICS/ICSF
Specific Speeds:
Dimensions:
Speed: 1750 rpm
Dia: 7 in
Impeller:
Ns: ---
Nss: ---
Suction: 3 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

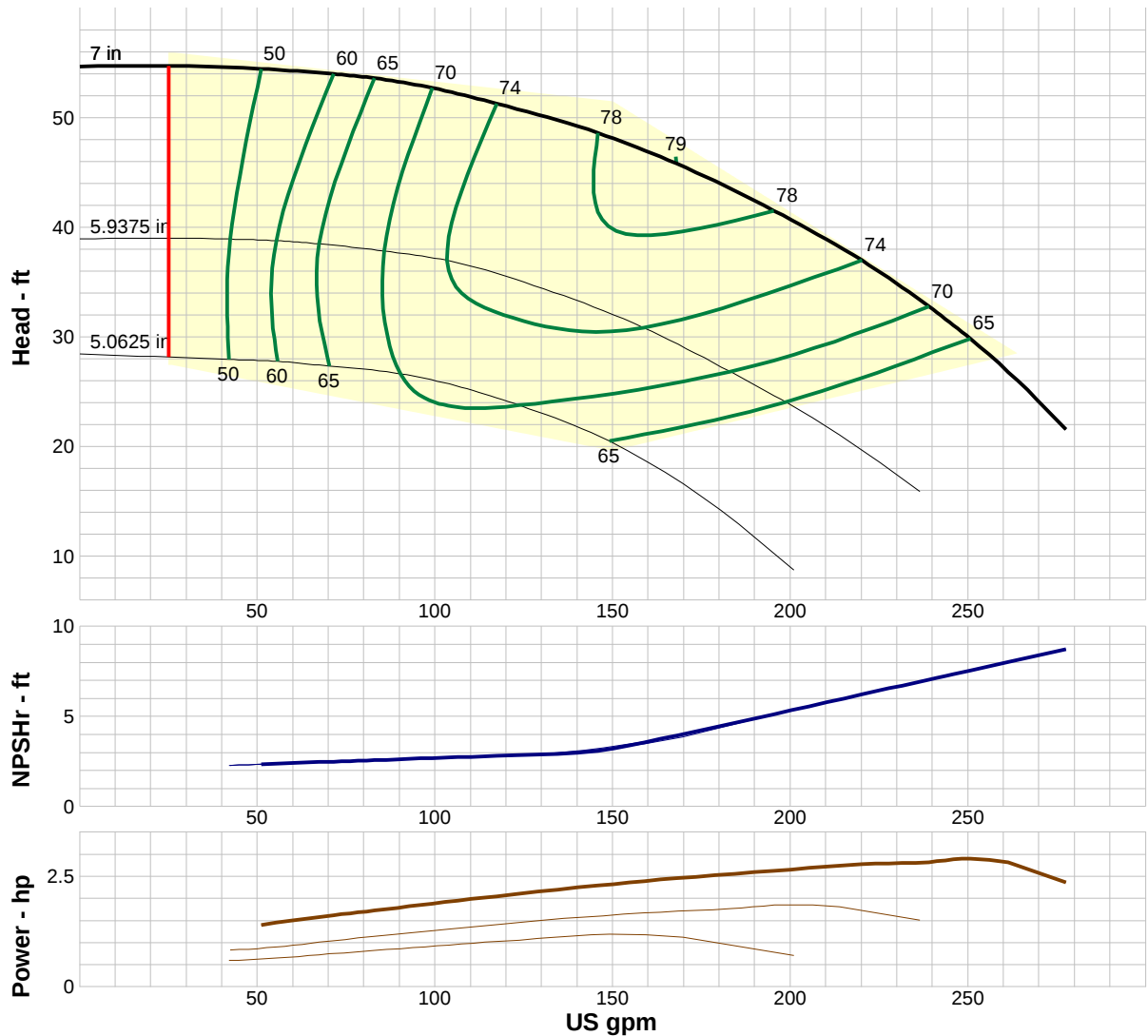
Motor:

Consult GOULDS to select a motor for this pump.

Pump Limits:

Temperature: 212 °F
Pressure: 175 psi g
Sphere size: --- in
Power: 3 hp
Eye area: --- in²

---- Data Point ----	
Flow:	168 US gpm
Head:	45.8 ft
Eff:	79%
Power:	2.46 hp
NPSHr:	3.95 ft
---- Design Curve ----	
Shutoff head:	54.7 ft
Shutoff dP:	23.6 psi
Min flow:	25 US gpm
BEP:	79% @ 168 US gpm
NOL power:	2.91 hp @ 251 US gpm
-- Max Curve --	
Max power:	2.91 hp @ 251 US gpm



Performance Evaluation:

Flow US gpm	Speed rpm	Head ft	Efficiency %	Power hp	NPSHr ft
266	1750	25.1	64	2.59	8.24
222	1750	36.5	74	2.78	6.31
178	1750	44.2	79	2.52	4.38
133	1750	49.8	76	2.19	2.98
88.8	1750	53.3	67	1.78	2.62