

Company: Bonneville Power Administration

Name:

Date: 2/9/2007

Selection: Gould Centrifugal Pump



Pump:

Size: 8SFH
Type: CC_ENDSUCTION_C
Synch speed: 1800 rpm
Curve: Goulds 8SFH
Specific Speeds:
Ns: ---
Nss: ---
Dimensions:
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

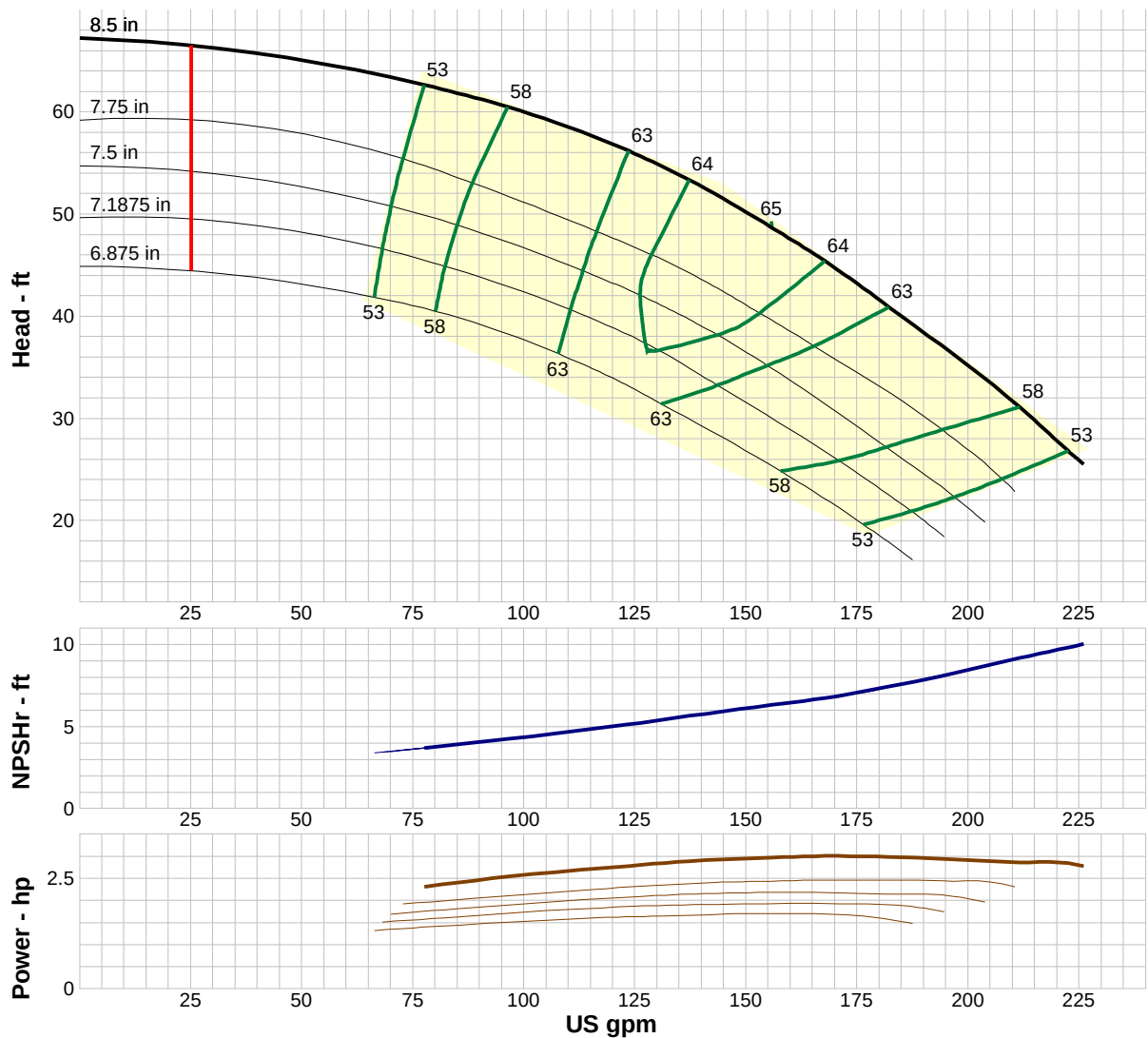
Motor:

Consult GOULDS to select a motor for this pump.

Pump Limits:

Temperature: 212 °F
Pressure: 175 psi g
Sphere size: 0.1562 in
Power: 3.25 hp
Eye area: --- in²

---- Data Point ----	
Flow:	156 US gpm
Head:	48.6 ft
Eff:	64%
Power:	2.97 hp
NPSHr:	6.34 ft
---- Design Curve ----	
Shutoff head:	67.2 ft
Shutoff dP:	29.1 psi
Min flow:	25 US gpm
BEP:	65% @ 156 US gpm
NOL power:	3 hp @ 168 US gpm
-- Max Curve --	
Max power:	3 hp @ 168 US gpm



Performance Evaluation:

Flow US gpm	Speed rpm	Head ft	Efficiency %	Power hp	NPSHr ft
217	1750	28.9	56	2.85	9.51
181	1750	41.2	63	2.99	7.38
145	1750	51.4	64	2.92	5.94
109	1750	58.5	60	2.65	4.67
72.4	1750	62.9	52	2.25	3.55