

Company: Bonneville Power Administration

Name:

Date: 2/9/2007

Selection: Gould Centrifugal Pump



Pump:

Size: 10A-SH
 Type: CC_ENDSUCTION_C
 Synch speed: 1800 rpm
 Curve: GP SSH/SSH-F
 Specific Speeds:
 Dimensions:
 Speed: 1750 rpm
 Dia: 8.4219 in
 Impeller:
 Ns: ---
 Nss: ---
 Suction: 2 in
 Discharge: 1 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

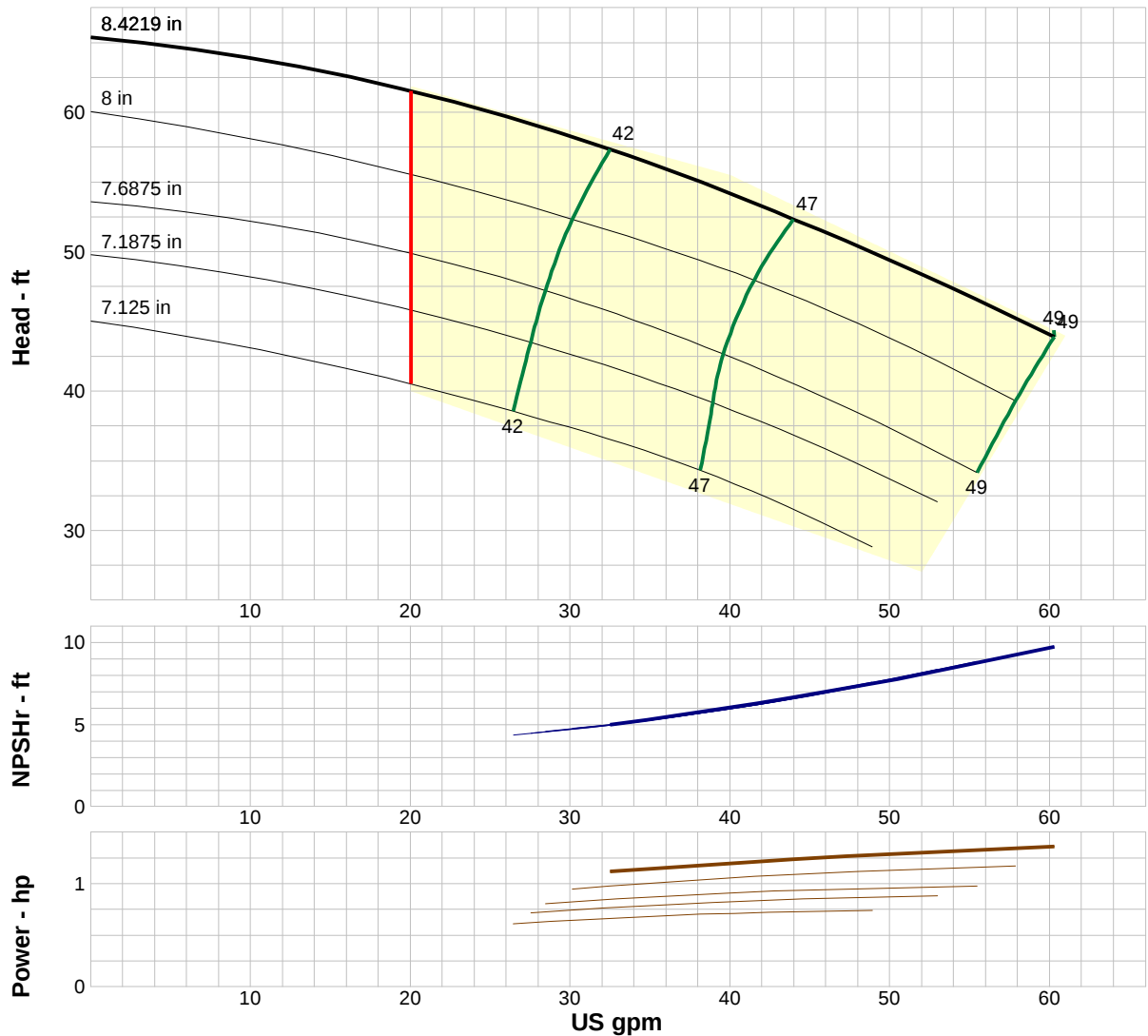
Motor:

Consult GOULDS to select a motor for this pump.

Pump Limits:

Temperature: 212 °F
 Pressure: 230 psi g
 Sphere size: 0.125 in
 Power: 1.5 hp
 Eye area: --- in²

---- Data Point ----	
Flow:	60.3 US gpm
Head:	--- ft
Eff:	--- %
Power:	--- hp
NPSHr:	--- ft
---- Design Curve ----	
Shutoff head:	65.4 ft
Shutoff dP:	28.3 psi
Min flow:	20 US gpm
BEP:	49% @ 60.3 US gpm
NOL power:	1.36 hp @ 60.3 US gpm
-- Max Curve --	
Max power:	1.36 hp @ 60.3 US gpm



Performance Evaluation:

Flow US gpm	Speed rpm	Head ft	Efficiency %	Power hp	NPSHr ft
57.8	1750	45.2	49	1.34	9.3
48.2	1750	50.1	48	1.27	7.47
38.6	1750	54.7	45	1.18	5.89
28.9	1750	58.2	40	1.08	4.5
19.3	1750	---	---	---	---