



Company: Bonneville Power Administration

Name:

Date: 2/9/2007

Selection: Gould Centrifugal Pump

Pump:

Size: 9A-SH
Type: CC_ENDSUCTION
Synch speed: 1800 rpm
Curve: GP SSH/SSH-F
Specific Speeds:
Dimensions:
Speed: 1750 rpm
Dia: 6.625 in
Impeller:
Ns: ---
Nss: ---
Suction: 2 in
Discharge: 1 in

Pump Limits:

Temperature: 212 °F
Pressure: 230 psi g
Sphere size: 0.125 in
Power: 0.75 hp
Eye area: --- in²

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

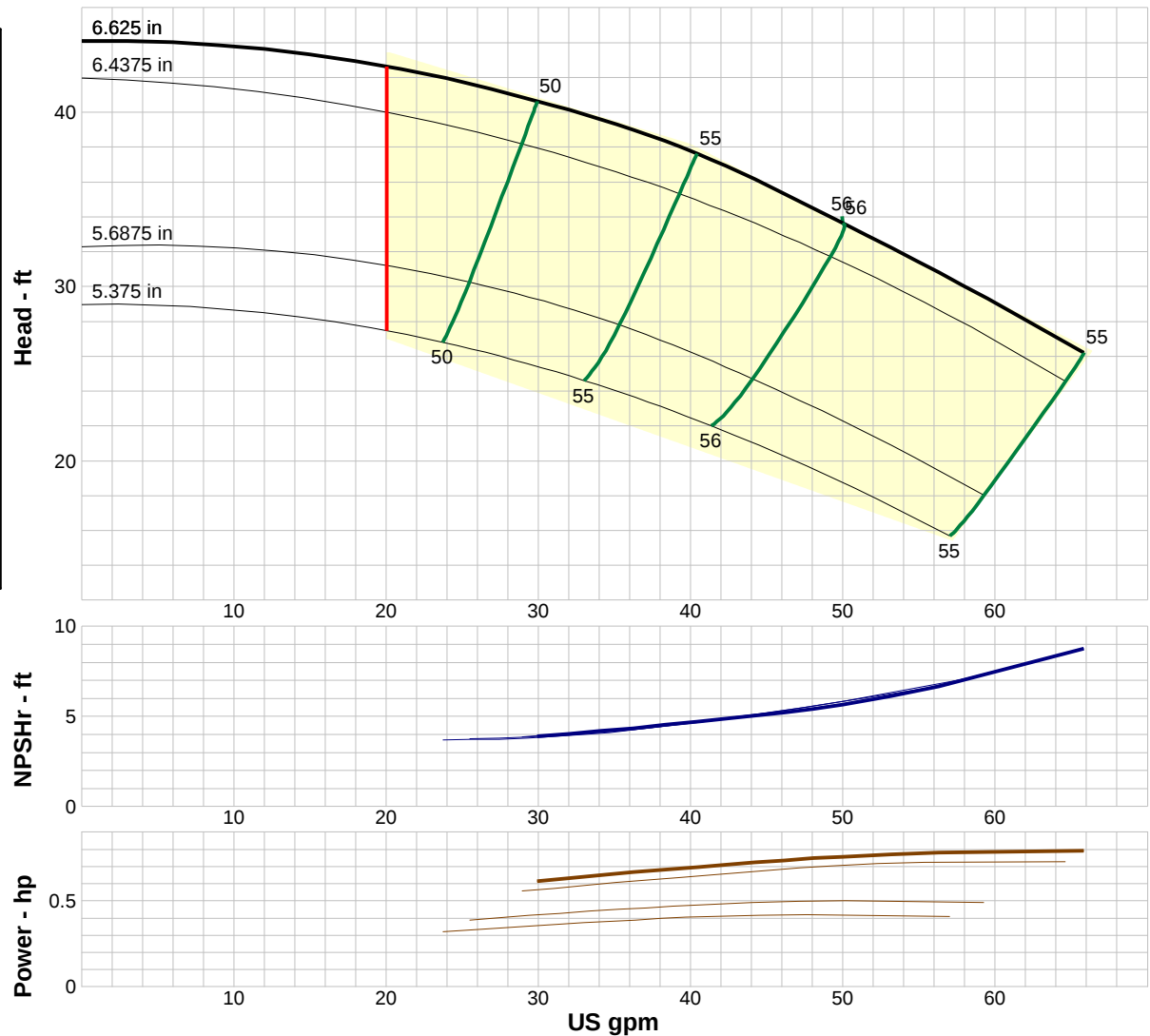
Motor:

Consult GOULDS to select a motor for this pump.

Pump Selection Warnings:

Design curve maximum power exceeds limit for the pump.

---- Data Point ----	
Flow:	49.9 US gpm
Head:	33.7 ft
Eff:	56%
Power:	0.758 hp
NPSHr:	5.65 ft
---- Design Curve ----	
Shutoff head:	44.1 ft
Shutoff dP:	19.1 psi
Min flow:	20 US gpm
BEP:	56% @ 49.9 US gpm
NOL power:	0.792 hp @ 65.8 US gpm
-- Max Curve --	
Max power:	0.792 hp @ 65.8 US gpm



Performance Evaluation:

Flow US gpm	Speed rpm	Head ft	Efficiency %	Power hp	NPSHr ft
63.1	1750	27.5	55	0.786	8.22
52.6	1750	32.4	56	0.764	6.17
42.1	1750	36.9	55	0.709	4.88
31.6	1750	40.2	51	0.627	4.03
21	1750	41.7	46	0.542	3.22