

Company: Bonneville Power Administration

Name:

Date: 2/9/2007

Selection: Gould Centrifugal Pump



Pump:

Size: 3656LH 4x4-5
 Type: CC_ENDSUCTION_C
 Synch speed: 1800 rpm
 Curve: Goulds 3656
 Specific Speeds:
 Dimensions:
 Speed: 1725 rpm
 Dia: 4.8125 in
 Impeller:
 Ns: ---
 Nss: ---
 Suction: --- in
 Discharge: --- in

Pump Limits:

Temperature: --- °F
 Pressure: --- psi g
 Sphere size: 0.1562 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

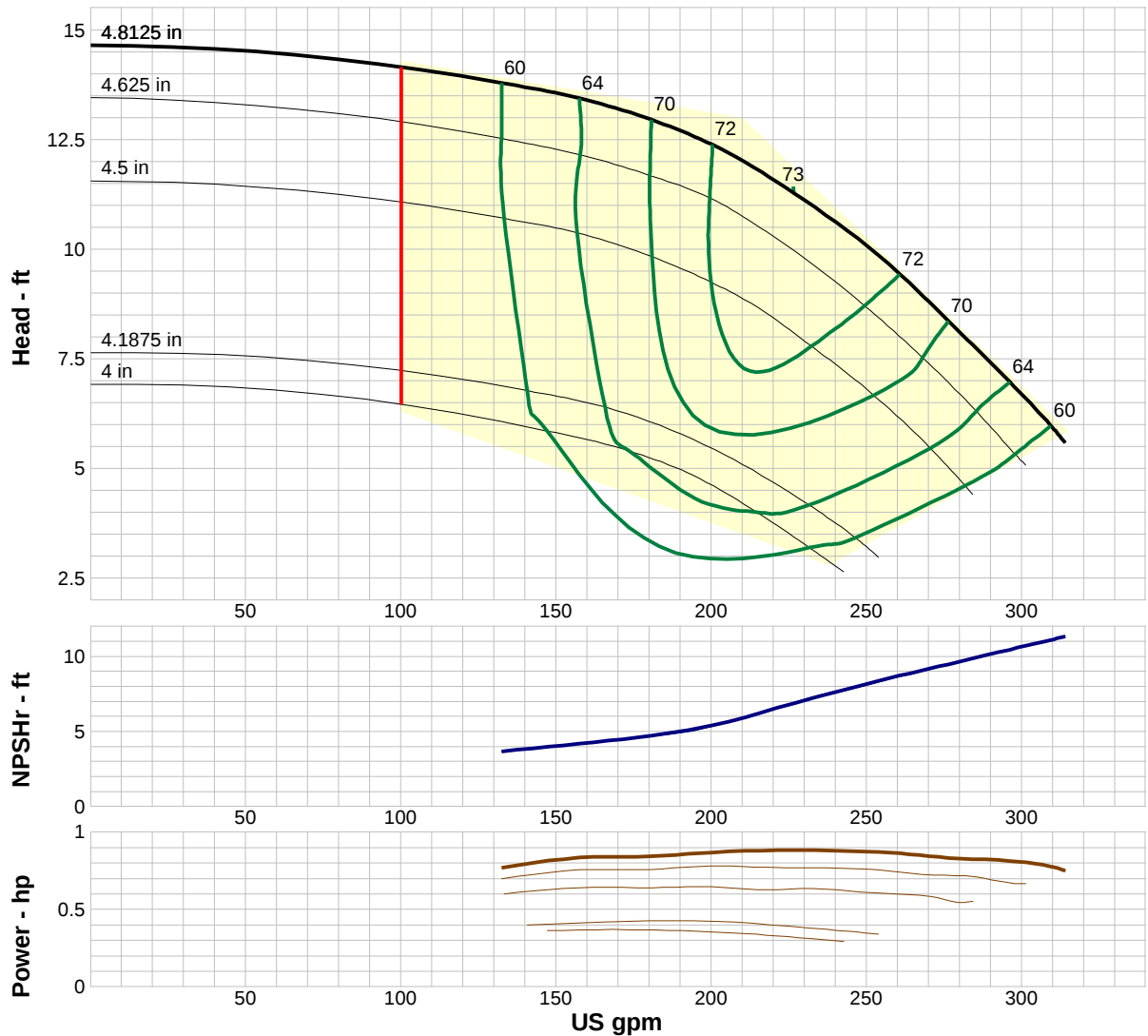
Motor:

Consult GOULDS to select a motor for this pump.

Pump Selection Warnings:

Design curve maximum power exceeds limit for the pump.

---- Data Point ----	
Flow:	227 US gpm
Head:	11.3 ft
Eff:	73%
Power:	0.883 hp
NPSHr:	6.92 ft
---- Design Curve ----	
Shutoff head:	14.6 ft
Shutoff dP:	6.33 psi
Min flow:	100 US gpm
BEP:	73% @ 227 US gpm
NOL power:	0.884 hp @ 227 US gpm
-- Max Curve --	
Max power:	0.884 hp @ 227 US gpm



Performance Evaluation:

Flow US gpm	Speed rpm	Head ft	Efficiency %	Power hp	NPSHr ft
301	1725	6.6	63	0.801	10.7
251	1725	9.96	72	0.869	8.2
201	1725	12.4	72	0.87	5.44
151	1725	13.5	63	0.818	4.07
100	1725	14	55	0.682	3.02