

Company: Bonneville Power Administration

Name:

Date: 2/9/2007

Selection: Gould Centrifugal Pump



Pump:

Size: 3656LH 4x4-5
 Type: CC_ENDSUCTION_C
 Synch speed: 3600 rpm
 Curve: Goulds 3656
 Specific Speeds:
 Dimensions:
 Speed: 3450 rpm
 Dia: 4.8125 in
 Impeller:
 Ns: ---
 Nss: ---
 Suction: --- in
 Discharge: --- 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

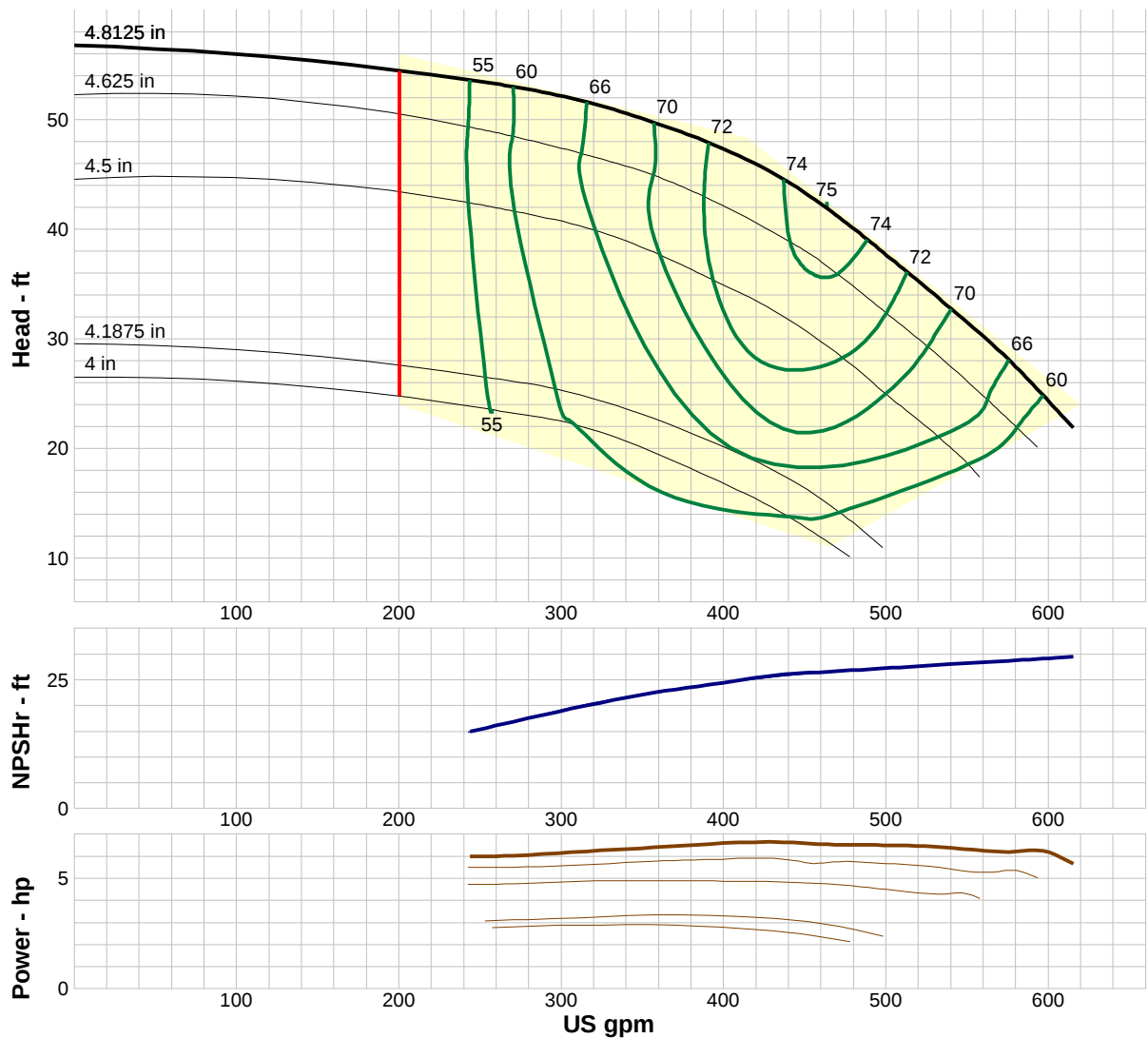
Motor:

Consult GOULDS to select a motor for this pump.

Pump Limits:

Temperature: --- °F
 Pressure: --- psi g
 Sphere size: 0.15625 in
 Power: 7.5 hp
 Eye area: --- in²

---- Data Point ----	
Flow:	464 US gpm
Head:	41.9 ft
Eff:	75%
Power:	6.54 hp
NPSHr:	26.6 ft
---- Design Curve ----	
Shutoff head:	56.8 ft
Shutoff dP:	24.5 psi
Min flow:	200 US gpm
BEP:	75% @ 464 US gpm
NOL power:	6.64 hp @ 437 US gpm
-- Max Curve --	
Max power:	6.64 hp @ 437 US gpm



Performance Evaluation:

Flow US gpm	Speed rpm	Head ft	Efficiency %	Power hp	NPSHr ft
590	3450	25.9	62	6.22	29
492	3450	38.6	74	6.5	27.1
394	3450	47.6	72	6.56	24.2
295	3450	52.2	63	6.14	18.6
197	3450	---	---	---	---