



Company: Bonneville Power Administration

Name:

Date: 2/9/2007

Selection: Gould Centrifugal Pump

Pump:

Size: 3656/3756-2
 Type: CC_ENDSUCTION
 Synch speed: 3600 rpm
 Curve: GP3656LH/3756LH
 Specific Speeds:
 Dimensions:
 Speed: 3450 rpm
 Dia: 4 in
 Impeller:
 Ns: ---
 Nss: ---
 Suction: 2 in
 Discharge: 2 in

Pump Limits:

Temperature: 212 °F
 Pressure: 175 psi g
 Sphere size: --- in
 Power: 2 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

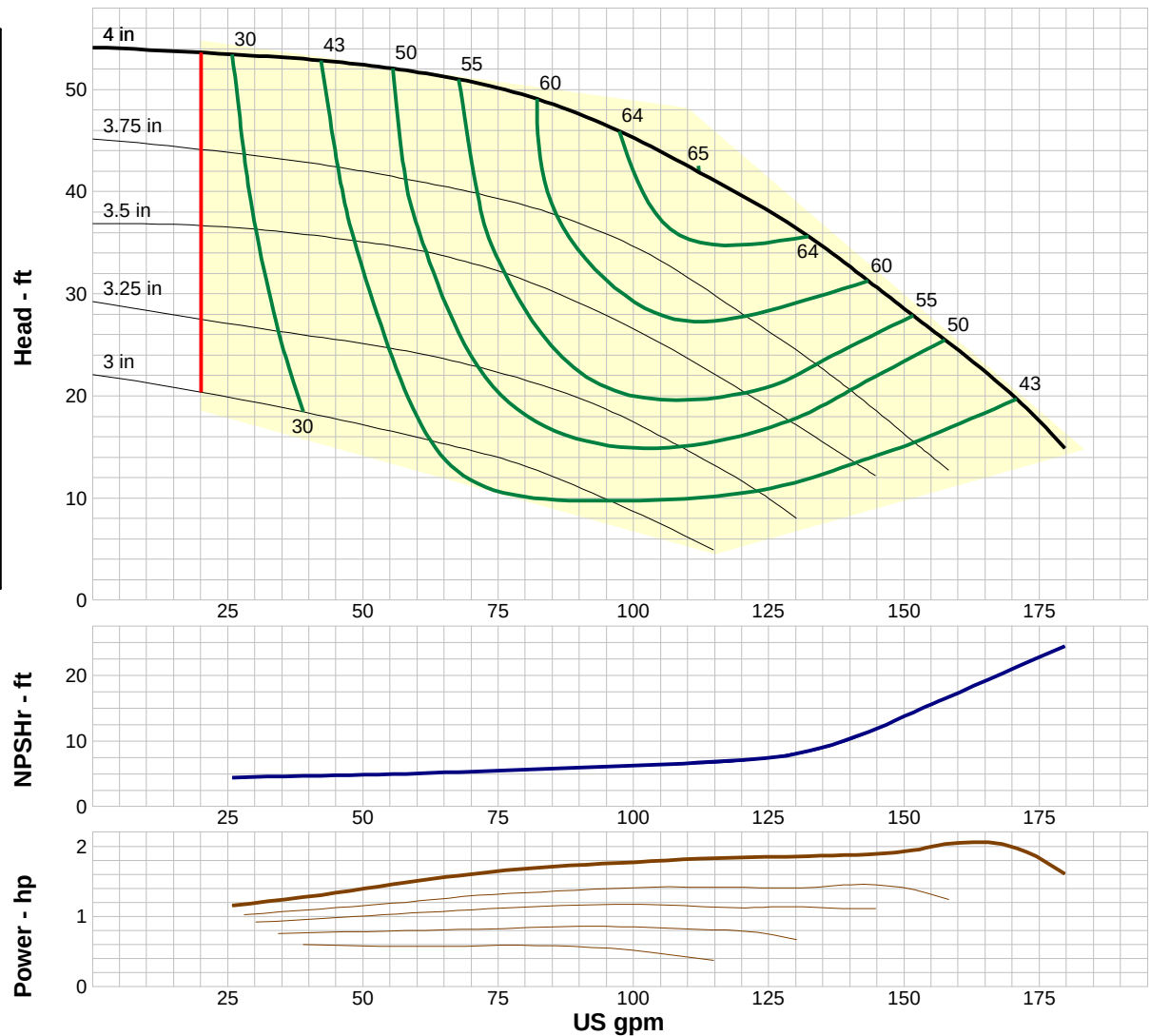
Motor:

Consult GOULDS to select a motor for this pump.

Pump Selection Warnings:

Design curve maximum power exceeds limit for the pump.

---- Data Point ----	
Flow:	112 US gpm
Head:	41.9 ft
Eff:	65%
Power:	1.82 hp
NPSHr:	6.7 ft
---- Design Curve ----	
Shutoff head:	54.1 ft
Shutoff dP:	23.4 psi
Min flow:	20 US gpm
BEP:	65% @ 112 US gpm
NOL power:	2.03 hp @ 158 US gpm
-- Max Curve --	
Max power:	2.03 hp @ 158 US gpm



Performance Evaluation:

Flow US gpm	Speed rpm	Head ft	Efficiency %	Power hp	NPSHr ft
173	3450	18.5	43	1.88	22.1
144	3450	31	60	1.89	11.6
115	3450	41	65	1.83	6.96
86.4	3450	48.2	61	1.71	5.85
57.6	3450	51.9	51	1.48	5.01