

Company: Bonneville Power Administration

Name:

Date: 2/9/2007

Selection: Gould Centrifugal Pump



Pump:

Size: 25SH
 Type: CC_ENDSUCTION
 Synch speed: 3600 rpm
 Curve: GP SSH/SSH-F
 Specific Speeds:
 Dimensions:
 Speed: 3500 rpm
 Dia: 9.875 in
 Impeller:
 Ns: ---
 Nss: ---
 Suction: 2.5 in
 Discharge: 2 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

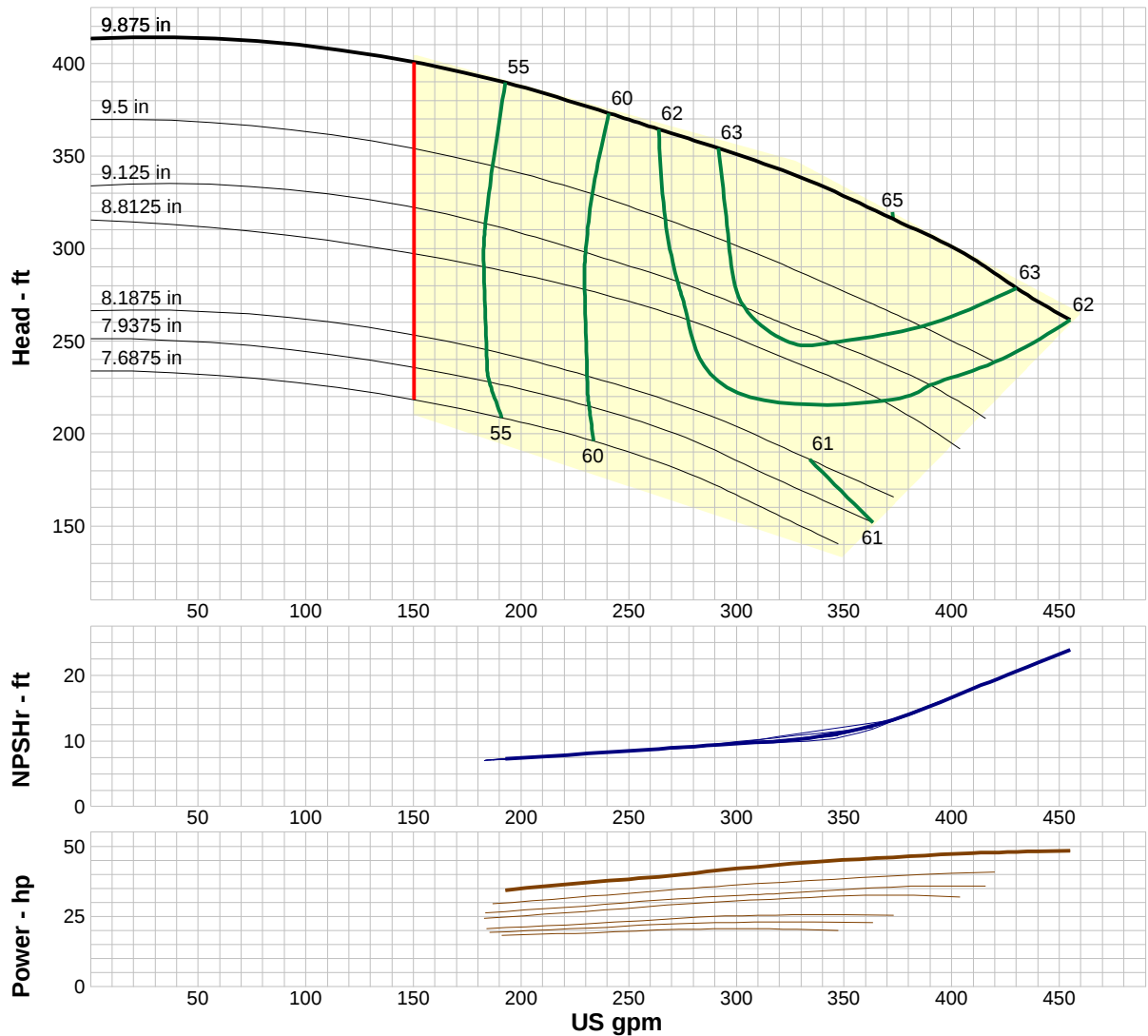
Motor:

Consult GOULDS to select a motor for this pump.

Pump Limits:

Temperature: 212 °F
 Pressure: 230 psi g
 Sphere size: 0.5 in
 Power: 50 hp
 Eye area: --- in²

---- Data Point ----	
Flow:	372 US gpm
Head:	316 ft
Eff:	64%
Power:	46 hp
NPSHr:	13.2 ft
---- Design Curve ----	
Shutoff head:	413 ft
Shutoff dP:	179 psi
Min flow:	150 US gpm
BEP:	65% @ 372 US gpm
NOL power:	48.4 hp @ 455 US gpm
-- Max Curve --	
Max power:	48.4 hp @ 455 US gpm



Performance Evaluation:

Flow US gpm	Speed rpm	Head ft	Efficiency %	Power hp	NPSHr ft
437	3500	274	63	48.1	21.6
364	3500	320	64	45.7	12.6
291	3500	354	63	41.3	9.43
218	3500	381	58	36.2	7.81
146	3500	---	---	---	---