

Company: Bonneville Power Administration

Name:

Date: 2/9/2007

Selection: Gould Centrifugal Pump



Pump:

Size: 4SS2
 Type: CC_ENDSUCTION
 Synch speed: 3600 rpm
 Curve: GP 3657/3756
 Specific Speeds:
 Dimensions:
 Speed: 3500 rpm
 Dia: 7 in
 Impeller:
 Ns: ---
 Nss: ---
 Suction: 3 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

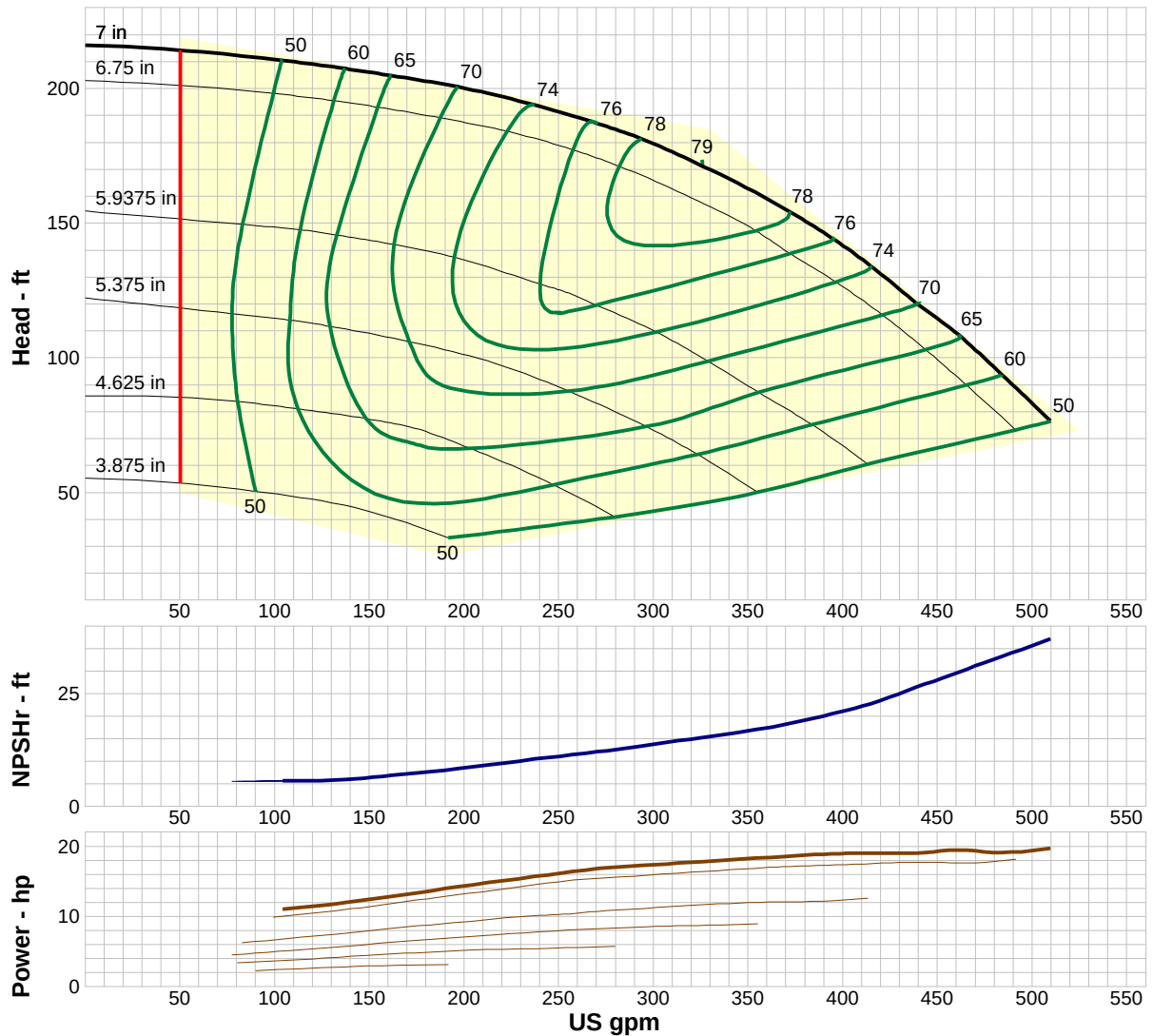
Motor:

Consult GOULDS to select a motor for this pump.

Pump Limits:

Temperature: 212 °F
 Pressure: 175 psi g
 Sphere size: 0.5 in
 Power: 20 hp
 Eye area: --- in²

---- Data Point ----	
Flow:	326 US gpm
Head:	171 ft
Eff:	79%
Power:	17.8 hp
NPSHr:	15.4 ft
---- Design Curve ----	
Shutoff head:	216 ft
Shutoff dP:	93.5 psi
Min flow:	50 US gpm
BEP:	79% @ 326 US gpm
NOL power:	19.7 hp @ 509 US gpm
-- Max Curve --	
Max power:	19.7 hp @ 509 US gpm



Performance Evaluation:

Flow US gpm	Speed rpm	Head ft	Efficiency %	Power hp	NPSHr ft
488	3500	90.9	58	19.2	33.9
407	3500	138	75	19	22
326	3500	171	79	17.8	15.4
244	3500	192	74	15.9	10.9
163	3500	205	65	12.9	6.99