

Company: Bonneville Power Administration

Name:

Date: 2/9/2007

Selection: Gould Centrifugal Pump



Pump:

Size: 28SH
 Type: CC_ENDSUCTION
 Synch speed: 1800 rpm
 Curve: GP SSH/SSH-F
 Specific Speeds:
 Dimensions:
 Speed: 1750 rpm
 Dia: 10.625 in
 Impeller:
 Ns: ---
 Nss: ---
 Suction: 4 in
 Discharge: 3 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

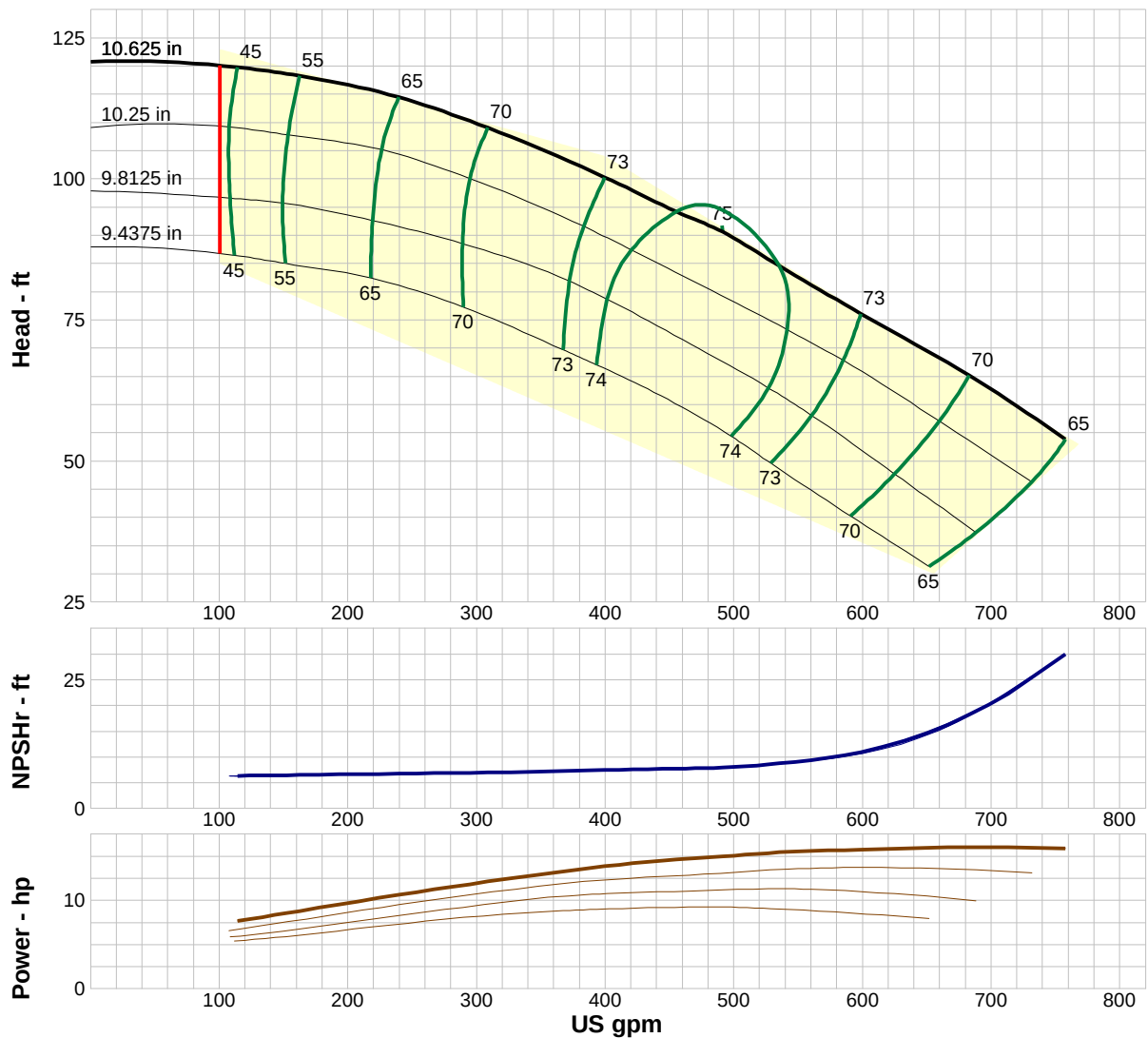
Motor:

Consult GOULDS to select a motor for this pump.

Pump Limits:

Temperature: 212 °F
 Pressure: 230 psi g
 Sphere size: 0.75 in
 Power: 20 hp
 Eye area: --- in²

---- Data Point ----	
Flow:	491 US gpm
Head:	90.6 ft
Eff:	75%
Power:	15 hp
NPSHr:	7.93 ft
---- Design Curve ----	
Shutoff head:	121 ft
Shutoff dP:	52.2 psi
Min flow:	100 US gpm
BEP:	75% @ 491 US gpm
NOL power:	16 hp @ 683 US gpm
-- Max Curve --	
Max power:	16 hp @ 683 US gpm



Performance Evaluation:

Flow US gpm	Speed rpm	Head ft	Efficiency %	Power hp	NPSHr ft
727	1750	58.5	67	15.9	25.2
606	1750	75.1	73	15.8	11.6
485	1750	91.2	75	14.9	7.9
364	1750	104	72	13.2	7.29
242	1750	114	65	10.7	6.79